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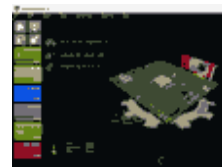
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# CPU Benchmarks

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### CPU List

Below is an alphabetical list of all CPU types that appear in the charts. Clicking on a specific processor name will take you to the chart it appears in and will highlight it for you. Results for **Single CPU Systems** and **Multiple CPU Systems** are listed separately.

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### Single CPU Systems

| CPU Name               | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| 686 Gen                | 288                                  | 2620                   | NA                           | NA          |
| AMD A4 Micro-6400T APU | 1544                                 | 1814                   | NA                           | NA          |
| AMD A4 PRO-3340B       | 2402                                 | 1425                   | NA                           | NA          |
| AMD A4 PRO-7300B APU   | 2338                                 | 1446                   | NA                           | NA          |
| AMD A4 PRO-7350B       | 2794                                 | 1289                   | NA                           | NA          |
| AMD A4-1200 APU        | 639                                  | 2298                   | NA                           | NA          |
| AMD A4-1250 APU        | 618                                  | 2307                   | NA                           | NA          |
| AMD A4-3300 APU        | 1504                                 | 1835                   | 115.84                       | \$12.99     |
| AMD A4-3300M APU       | 1185                                 | 1998                   | 39.54                        | \$29.99*    |
| AMD A4-3305M APU       | 1221                                 | 1981                   | 40.71                        | \$30.00*    |
| AMD A4-3310MX APU      | 1292                                 | 1936                   | NA                           | NA          |
| AMD A4-3320M APU       | 1253                                 | 1964                   | 36.88                        | \$34.00     |
| AMD A4-3330MX APU      | 1218                                 | 1982                   | NA                           | NA          |
| AMD A4-3400 APU        | 1595                                 | 1797                   | 155.09                       | \$10.29     |
| AMD A4-3420 APU        | 1677                                 | 1747                   | NA                           | NA          |
| AMD A4-4000 APU        | 1822                                 | 1675                   | 60.76                        | \$29.99     |
| AMD A4-4020 APU        | 1918                                 | 1621                   | 19.19                        | \$100.00    |
| AMD A4-4300M APU       | 1609                                 | 1786                   | 40.38                        | \$39.86     |
| AMD A4-4355M APU       | 1175                                 | 2002                   | NA                           | NA          |
| AMD A4-5000 APU        | 1907                                 | 1625                   | NA                           | NA          |
| AMD A4-5050 APU        | 2113                                 | 1542                   | NA                           | NA          |
| AMD A4-5100 APU        | 2037                                 | 1570                   | NA                           | NA          |
| AMD A4-5150M APU       | 1844                                 | 1662                   | NA                           | NA          |
| AMD A4-5300 APU        | 2011                                 | 1581                   | 34.50                        | \$58.32*    |

| CPU Name               | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD A4-5300B APU       | 2125                                 | 1536                   | 55.94                        | \$38.00*    |
| AMD A4-6210 APU        | 2155                                 | 1521                   | NA                           | NA          |
| AMD A4-6250J APU       | 2556                                 | 1368                   | NA                           | NA          |
| AMD A4-6300 APU        | 2222                                 | 1499                   | 65.39                        | \$33.99     |
| AMD A4-6300B APU       | 2129                                 | 1533                   | 21.30                        | \$100.00*   |
| AMD A4-6320 APU        | 2337                                 | 1447                   | 33.40                        | \$69.99     |
| AMD A4-7210 APU        | 2507                                 | 1389                   | NA                           | NA          |
| AMD A4-7300 APU        | 2298                                 | 1466                   | 30.75                        | \$74.75     |
| AMD A4-9120            | 1913                                 | 1622                   | NA                           | NA          |
| AMD A6 Micro-6500T APU | 1834                                 | 1670                   | NA                           | NA          |
| AMD A6 PRO-7050B APU   | 1616                                 | 1783                   | NA                           | NA          |
| AMD A6 PRO-7400B       | 2690                                 | 1324                   | NA                           | NA          |
| AMD A6-1450 APU        | 1519                                 | 1826                   | NA                           | NA          |
| AMD A6-3400M APU       | 1885                                 | 1646                   | 62.91                        | \$29.97*    |
| AMD A6-3410MX APU      | 2052                                 | 1566                   | 68.45                        | \$29.99*    |
| AMD A6-3420M APU       | 2002                                 | 1585                   | NA                           | NA          |
| AMD A6-3430MX APU      | 2225                                 | 1498                   | NA                           | NA          |
| AMD A6-3500 APU        | 2011                                 | 1582                   | 50.31                        | \$39.99     |
| AMD A6-3600 APU        | 2703                                 | 1320                   | 117.61                       | \$22.99*    |
| AMD A6-3620 APU        | 2799                                 | 1287                   | 46.67                        | \$59.99*    |
| AMD A6-3650 APU        | 3156                                 | 1170                   | 98.66                        | \$31.99     |
| AMD A6-3670 APU        | 3190                                 | 1155                   | 63.83                        | \$49.99     |
| AMD A6-4400M APU       | 1635                                 | 1772                   | 41.02                        | \$39.86*    |
| AMD A6-4455M APU       | 1283                                 | 1944                   | NA                           | NA          |
| AMD A6-5200 APU        | 2425                                 | 1415                   | NA                           | NA          |
| AMD A6-5345M APU       | 1476                                 | 1846                   | NA                           | NA          |
| CPU Name               | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD A6-5350M APU       | 1899                                 | 1632                   | 44.05                        | \$43.12     |
| AMD A6-5357M APU       | 1938                                 | 1610                   | NA                           | NA          |
| AMD A6-5400B APU       | 2199                                 | 1509                   | 20.94                        | \$105.04*   |
| AMD A6-5400K APU       | 2150                                 | 1524                   | 16.55                        | \$129.95    |
| AMD A6-6310 APU        | 2445                                 | 1410                   | NA                           | NA          |
| AMD A6-6400B APU       | 2281                                 | 1475                   | NA                           | NA          |
| AMD A6-6400K APU       | 2303                                 | 1461                   | 32.91                        | \$69.99     |
| AMD A6-6420B APU       | 2612                                 | 1347                   | NA                           | NA          |
| AMD A6-6420K APU       | 2361                                 | 1443                   | 15.75                        | \$149.99*   |
| AMD A6-7000            | 1671                                 | 1751                   | NA                           | NA          |
| AMD A6-7310 APU        | 2661                                 | 1332                   | NA                           | NA          |
| AMD A6-7400K APU       | 2783                                 | 1292                   | 56.82                        | \$48.99     |
| AMD A6-7470K           | 2727                                 | 1314                   | 38.97                        | \$69.99     |
| AMD A6-8500P           | 2202                                 | 1508                   | NA                           | NA          |
| AMD A6-8550            | 3104                                 | 1183                   | NA                           | NA          |
| AMD A6-9200            | 1688                                 | 1741                   | NA                           | NA          |
| AMD A6-9210            | 1842                                 | 1664                   | NA                           | NA          |
| AMD A6-9220            | 2190                                 | 1512                   | NA                           | NA          |
| AMD A6-9220e           | 1600                                 | 1793                   | NA                           | NA          |
| AMD A6-9225            | 2267                                 | 1482                   | NA                           | NA          |
| AMD A6-9230            | 2102                                 | 1546                   | NA                           | NA          |
| AMD A6-9500            | 2996                                 | 1218                   | 52.73                        | \$56.82     |
| AMD A6-9500E           | 2918                                 | 1248                   | 48.65                        | \$59.99     |

| CPU Name                | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD A8 PRO-7150B APU    | 2650                                 | 1334                   | NA                           | NA          |
| AMD A8 PRO-7600B APU    | 4797                                 | 804                    | NA                           | NA          |
| AMD A8-3500M APU        | 1971                                 | 1597                   | 28.19                        | \$69.95     |
| AMD A8-3510MX APU       | 2370                                 | 1437                   | NA                           | NA          |
| AMD A8-3520M APU        | 2178                                 | 1515                   | NA                           | NA          |
| AMD A8-3530MX APU       | 2375                                 | 1435                   | NA                           | NA          |
| AMD A8-3550MX APU       | 2610                                 | 1348                   | NA                           | NA          |
| AMD A8-3800 APU         | 3034                                 | 1207                   | 53.25                        | \$56.99     |
| AMD A8-3820 APU         | 3129                                 | 1177                   | 25.04                        | \$124.99*   |
| AMD A8-3850 APU         | 3468                                 | 1081                   | 32.82                        | \$105.68*   |
| AMD A8-3870K APU        | 3551                                 | 1059                   | 71.04                        | \$49.99     |
| AMD A8-4500M APU        | 2665                                 | 1330                   | NA                           | NA          |
| AMD A8-4555M APU        | 2125                                 | 1537                   | NA                           | NA          |
| AMD A8-5500 APU         | 3992                                 | 955                    | 30.95                        | \$129.00*   |
| AMD A8-5500B APU        | 3954                                 | 964                    | NA                           | NA          |
| AMD A8-5545M APU        | 2583                                 | 1358                   | NA                           | NA          |
| AMD A8-5550M APU        | 3007                                 | 1214                   | NA                           | NA          |
| AMD A8-5557M APU        | 2963                                 | 1230                   | NA                           | NA          |
| AMD A8-5600K APU        | 4341                                 | 891                    | 24.13                        | \$179.95    |
| AMD A8-6410 APU         | 2573                                 | 1363                   | NA                           | NA          |
| AMD A8-6500 APU         | 4385                                 | 881                    | 27.24                        | \$160.99*   |
| AMD A8-6500B APU        | 4603                                 | 839                    | NA                           | NA          |
| AMD A8-6500T APU        | 3221                                 | 1144                   | NA                           | NA          |
| AMD A8-6600K APU        | 4583                                 | 845                    | 47.25                        | \$96.99     |
| AMD A8-7050             | 1986                                 | 1592                   | NA                           | NA          |
| AMD A8-7100 APU         | 2802                                 | 1285                   | NA                           | NA          |
| CPU Name                | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD A8-7200P            | 3319                                 | 1117                   | NA                           | NA          |
| AMD A8-7410 APU         | 2737                                 | 1309                   | NA                           | NA          |
| AMD A8-7600 APU         | 5090                                 | 744                    | 39.16                        | \$129.99    |
| AMD A8-7650K            | 4932                                 | 781                    | 66.67                        | \$73.99     |
| AMD A8-7670K            | 5083                                 | 747                    | 25.42                        | \$199.99    |
| AMD A8-8600P            | 3248                                 | 1134                   | NA                           | NA          |
| AMD A8-8650             | 5470                                 | 686                    | NA                           | NA          |
| AMD A8-9600             | 5013                                 | 764                    | 77.15                        | \$64.99     |
| AMD A9-9400             | 2300                                 | 1464                   | NA                           | NA          |
| AMD A9-9410             | 2555                                 | 1369                   | NA                           | NA          |
| AMD A9-9420             | 2328                                 | 1451                   | NA                           | NA          |
| AMD A9-9420e            | 1908                                 | 1624                   | NA                           | NA          |
| AMD A9-9425             | 2734                                 | 1313                   | NA                           | NA          |
| AMD A9-9430             | 2513                                 | 1386                   | NA                           | NA          |
| AMD A10 Micro-6700T APU | 1890                                 | 1640                   | NA                           | NA          |
| AMD A10 PRO-7350B APU   | 3213                                 | 1150                   | NA                           | NA          |
| AMD A10 PRO-7800B APU   | 5108                                 | 738                    | NA                           | NA          |
| AMD A10 PRO-7850B APU   | 5382                                 | 701                    | NA                           | NA          |
| AMD A10-4600M APU       | 3112                                 | 1182                   | NA                           | NA          |
| AMD A10-4655M APU       | 2600                                 | 1351                   | NA                           | NA          |
| AMD A10-4657M APU       | 2906                                 | 1253                   | NA                           | NA          |
| AMD A10-5700 APU        | 4206                                 | 915                    | 15.30                        | \$274.97    |
| AMD A10-5745M APU       | 2762                                 | 1301                   | NA                           | NA          |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD A10-5750M APU               | 3343                                 | 1114                   | NA                           | NA          |
| AMD A10-5757M APU               | 3081                                 | 1191                   | NA                           | NA          |
| AMD A10-5800B APU               | 4669                                 | 821                    | NA                           | NA          |
| AMD A10-5800K APU               | 4638                                 | 826                    | 15.40                        | \$301.11    |
| AMD A10-6700 APU                | 4596                                 | 842                    | 39.29                        | \$116.99    |
| AMD A10-6700T APU               | 3693                                 | 1030                   | 25.02                        | \$147.61*   |
| AMD A10-6790K APU               | 4704                                 | 817                    | 49.53                        | \$94.99     |
| AMD A10-6800B APU               | 4991                                 | 769                    | NA                           | NA          |
| AMD A10-6800K APU               | 4862                                 | 791                    | 16.95                        | \$286.85*   |
| AMD A10-7300 APU                | 2907                                 | 1252                   | NA                           | NA          |
| AMD A10-7400P                   | 3633                                 | 1038                   | NA                           | NA          |
| AMD A10-7700K APU               | 5130                                 | 735                    | 49.62                        | \$103.39    |
| AMD A10-7800 APU                | 4992                                 | 768                    | 48.29                        | \$103.39    |
| AMD A10-7850K APU               | 5477                                 | 683                    | 42.14                        | \$129.99    |
| AMD A10-7860K                   | 5086                                 | 746                    | 12.78                        | \$398.00    |
| AMD A10-7870K                   | 5475                                 | 684                    | 21.90                        | \$249.99    |
| AMD A10-7890K                   | 5735                                 | 650                    | 28.68                        | \$199.99    |
| AMD A10-8700P                   | 3448                                 | 1085                   | NA                           | NA          |
| AMD A10-8750                    | 5082                                 | 748                    | NA                           | NA          |
| AMD A10-8850                    | 5598                                 | 671                    | NA                           | NA          |
| AMD A10-9600P                   | 3796                                 | 997                    | NA                           | NA          |
| AMD A10-9620P                   | 3697                                 | 1028                   | NA                           | NA          |
| AMD A10-9630P                   | 4497                                 | 861                    | NA                           | NA          |
| AMD A10-9700                    | 5440                                 | 692                    | 68.01                        | \$79.99     |
| AMD A10-9700E                   | 4741                                 | 813                    | 67.74                        | \$69.99     |
| AMD A12-9700P                   | 3733                                 | 1018                   | NA                           | NA          |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD A12-9720P                   | 3990                                 | 956                    | NA                           | NA          |
| AMD A12-9730P                   | 4381                                 | 882                    | NA                           | NA          |
| AMD A12-9800                    | 5522                                 | 681                    | 42.48                        | \$129.99    |
| AMD A12-9800E                   | 5104                                 | 740                    | 44.59                        | \$114.49    |
| AMD Athlon64 X2 Dual Core 4600+ | 1108                                 | 2040                   | NA                           | NA          |
| AMD Athlon 4                    | 279                                  | 2640                   | 7.00                         | \$39.99     |
| AMD Athlon 64 2000+             | 116                                  | 2775                   | NA                           | NA          |
| AMD Athlon 64 2200+             | 575                                  | 2331                   | NA                           | NA          |
| AMD Athlon 64 2600+             | 374                                  | 2513                   | NA                           | NA          |
| AMD Athlon 64 2800+             | 438                                  | 2443                   | 4.38                         | \$99.99*    |
| AMD Athlon 64 3000+             | 463                                  | 2412                   | 7.72                         | \$59.99     |
| AMD Athlon 64 3200+             | 491                                  | 2380                   | 3.28                         | \$149.95*   |
| AMD Athlon 64 3300+             | 576                                  | 2330                   | NA                           | NA          |
| AMD Athlon 64 3400+             | 545                                  | 2343                   | NA                           | NA          |
| AMD Athlon 64 3500+             | 539                                  | 2349                   | 4.96                         | \$108.95    |
| AMD Athlon 64 3600+             | 601                                  | 2317                   | NA                           | NA          |
| AMD Athlon 64 3700+             | 599                                  | 2318                   | 8.69                         | \$69.00*    |
| AMD Athlon 64 3800+             | 590                                  | 2320                   | 3.28                         | \$179.95    |
| AMD Athlon 64 4000+             | 605                                  | 2311                   | 50.51                        | \$11.99     |
| AMD Athlon 64 FX-25             | 794                                  | 2225                   | NA                           | NA          |
| AMD Athlon 64 FX-34             | 380                                  | 2505                   | NA                           | NA          |
| AMD Athlon 64 FX-51             | 437                                  | 2444                   | NA                           | NA          |
| AMD Athlon 64 FX-53             | 646                                  | 2292                   | 21.57                        | \$29.99*    |

| CPU Name                           | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------------------|---|---------------------------|---------------------------------|----------------|
| AMD Athlon 64 FX-55                | 721                                     | 2256                      | 4.01                            | \$179.95*      |
| AMD Athlon 64 FX-57                | 730                                     | 2251                      | NA                              | NA             |
| AMD Athlon 64 FX-59                | 715                                     | 2260                      | NA                              | NA             |
| AMD Athlon 64 FX-60 Dual Core      | 1282                                    | 1945                      | NA                              | NA             |
| AMD Athlon 64 FX-62 Dual Core      | 1573                                    | 1807                      | NA                              | NA             |
| AMD Athlon 64 FX-72                | 1794                                    | 1685                      | NA                              | NA             |
| AMD Athlon 64 FX-74                | 1495                                    | 1841                      | 2.99                            | \$499.50*      |
| AMD Athlon 64 X2 3800+             | 958                                     | 2139                      | NA                              | NA             |
| AMD Athlon 64 X2 4200+             | 1285                                    | 1942                      | 4.16                            | \$308.95*      |
| AMD Athlon 64 X2 4600+             | 1365                                    | 1895                      | 3.90                            | \$349.95*      |
| AMD Athlon 64 X2 Dual Core 3400+   | 994                                     | 2113                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core 3600+   | 965                                     | 2130                      | 16.09                           | \$60.00*       |
| AMD Athlon 64 X2 Dual Core 3800+   | 1001                                    | 2105                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core 4000+   | 1041                                    | 2081                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core 4200+   | 1098                                    | 2045                      | 6.10                            | \$179.95       |
| AMD Athlon 64 X2 Dual Core 4400+   | 1146                                    | 2022                      | 95.66                           | \$11.99        |
| AMD Athlon 64 X2 Dual Core 4600+   | 1222                                    | 1980                      | 3.40                            | \$359.95*      |
| AMD Athlon 64 X2 Dual Core 4800+   | 1254                                    | 1963                      | 80.98                           | \$15.49        |
| AMD Athlon 64 X2 Dual Core 5000+   | 1313                                    | 1922                      | 3.96                            | \$331.49*      |
| AMD Athlon 64 X2 Dual Core 5200+   | 1383                                    | 1884                      | 26.05                           | \$53.09*       |
| AMD Athlon 64 X2 Dual Core 5400+   | 1445                                    | 1858                      | 27.28                           | \$52.99*       |
| AMD Athlon 64 X2 Dual Core 5600+   | 1483                                    | 1844                      | 9.90                            | \$149.95       |
| AMD Athlon 64 X2 Dual Core 5800+   | 1528                                    | 1819                      | 61.17                           | \$24.99        |
| AMD Athlon 64 X2 Dual Core 6000+   | 1604                                    | 1791                      | 34.92                           | \$45.95        |
| AMD Athlon 64 X2 Dual Core 6400+   | 1791                                    | 1688                      | 6.89                            | \$259.95       |
| AMD Athlon 64 X2 Dual Core BE-230  | 1095                                    | 2049                      | NA                              | NA             |
| CPU Name                           | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Athlon 64 X2 Dual Core BE-2300 | 1082                                    | 2060                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core BE-2350 | 1044                                    | 2079                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual Core TK-53   | 839                                     | 2204                      | 28.02                           | \$29.97        |
| AMD Athlon 64 X2 Dual Core TK-55   | 839                                     | 2205                      | 14.53                           | \$57.74*       |
| AMD Athlon 64 X2 Dual Core TK-57   | 971                                     | 2127                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual-Core TK-42   | 877                                     | 2184                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual-Core TK-53   | 815                                     | 2217                      | NA                              | NA             |
| AMD Athlon 64 X2 Dual-Core TK-55   | 872                                     | 2185                      | 11.99                           | \$72.74*       |
| AMD Athlon 64 X2 Dual-Core TK-57   | 927                                     | 2158                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-60             | 918                                     | 2168                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-62             | 1014                                    | 2097                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-64             | 989                                     | 2117                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-65             | 1046                                    | 2077                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-66             | 947                                     | 2145                      | NA                              | NA             |
| AMD Athlon 64 X2 QL-67             | 1006                                    | 2102                      | NA                              | NA             |
| AMD Athlon 64 X2 TK-55             | 955                                     | 2140                      | NA                              | NA             |
| AMD Athlon 64 X2 TK-57             | 988                                     | 2118                      | NA                              | NA             |
| AMD Athlon 200GE                   | 4959                                    | 776                       | NA                              | NA             |
| AMD Athlon 1500+                   | 294                                     | 2613                      | NA                              | NA             |
| AMD Athlon 1640B                   | 678                                     | 2282                      | 13.57                           | \$50.00*       |
| AMD Athlon 1700+                   | 349                                     | 2543                      | NA                              | NA             |
| AMD Athlon 2000+                   | 390                                     | 2500                      | NA                              | NA             |
| AMD Athlon 2100+                   | 412                                     | 2464                      | NA                              | NA             |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Athlon 2200+                 | 363                                  | 2530                   | 4.55                         | \$79.99*    |
| AMD Athlon 2400+                 | 462                                  | 2415                   | NA                           | NA          |
| AMD Athlon 2500+                 | 374                                  | 2511                   | 2.04                         | \$183.99*   |
| AMD Athlon 2600+                 | 444                                  | 2433                   | 4.23                         | \$104.95*   |
| AMD Athlon 2650e                 | 409                                  | 2467                   | 21.56                        | \$19.00*    |
| AMD Athlon 2800+                 | 447                                  | 2430                   | 3.20                         | \$139.95*   |
| AMD Athlon 2850e                 | 504                                  | 2375                   | NA                           | NA          |
| AMD Athlon 3100+                 | 485                                  | 2394                   | NA                           | NA          |
| AMD Athlon 3200+                 | 458                                  | 2418                   | 7.63                         | \$60.00*    |
| AMD Athlon 5000 Dual-Core        | 1292                                 | 1935                   | 76.13                        | \$16.98     |
| AMD Athlon 5150 APU              | 2100                                 | 1547                   | 13.13                        | \$159.95    |
| AMD Athlon 5200 Dual-Core        | 1248                                 | 1967                   | 41.64                        | \$29.99     |
| AMD Athlon 5350 APU              | 2605                                 | 1350                   | 7.86                         | \$331.40*   |
| AMD Athlon 5370 APU              | 2898                                 | 1259                   | 45.51                        | \$63.70*    |
| AMD Athlon 7450 Dual-Core        | 1448                                 | 1857                   | NA                           | NA          |
| AMD Athlon 7550 Dual-Core        | 1458                                 | 1852                   | 24.30                        | \$60.00*    |
| AMD Athlon 7750 Dual-Core        | 1578                                 | 1803                   | 10.61                        | \$148.71*   |
| AMD Athlon 7850 Dual-Core        | 1715                                 | 1720                   | 8.18                         | \$209.65*   |
| AMD Athlon 7850 Dual-Core 2.8G   | 288                                  | 2623                   | NA                           | NA          |
| AMD Athlon Dual Core 4050e       | 1086                                 | 2055                   | NA                           | NA          |
| AMD Athlon Dual Core 4450B       | 1162                                 | 2014                   | 37.49                        | \$31.00*    |
| AMD Athlon Dual Core 4450e       | 1102                                 | 2044                   | NA                           | NA          |
| AMD Athlon Dual Core 4850B       | 1391                                 | 1882                   | NA                           | NA          |
| AMD Athlon Dual Core 4850e       | 1310                                 | 1924                   | 33.61                        | \$39.00*    |
| AMD Athlon Dual Core 5000B       | 1300                                 | 1928                   | 13.69                        | \$95.00*    |
| AMD Athlon Dual Core 5050e       | 1347                                 | 1907                   | 22.45                        | \$60.00*    |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Athlon Dual Core 5200B       | 1319                                 | 1918                   | NA                           | NA          |
| AMD Athlon Dual Core 5400B       | 1405                                 | 1874                   | NA                           | NA          |
| AMD Athlon Dual Core 5600B       | 1304                                 | 1927                   | NA                           | NA          |
| AMD Athlon II 160u               | 560                                  | 2339                   | 18.68                        | \$29.99*    |
| AMD Athlon II 170u               | 623                                  | 2306                   | 20.80                        | \$29.95*    |
| AMD Athlon II Dual-Core M300     | 1114                                 | 2034                   | NA                           | NA          |
| AMD Athlon II Dual-Core M320     | 1142                                 | 2026                   | 38.08                        | \$30.00*    |
| AMD Athlon II Dual-Core M340     | 1056                                 | 2074                   | NA                           | NA          |
| AMD Athlon II N330 Dual-Core     | 1154                                 | 2018                   | NA                           | NA          |
| AMD Athlon II N350 Dual-Core     | 1247                                 | 1970                   | NA                           | NA          |
| AMD Athlon II N370 Dual-Core     | 1559                                 | 1810                   | NA                           | NA          |
| AMD Athlon II Neo K125           | 472                                  | 2405                   | NA                           | NA          |
| AMD Athlon II Neo K145           | 525                                  | 2357                   | NA                           | NA          |
| AMD Athlon II Neo K325 Dual-Core | 775                                  | 2232                   | 29.83                        | \$25.99*    |
| AMD Athlon II Neo K345 Dual-Core | 856                                  | 2197                   | NA                           | NA          |
| AMD Athlon II Neo N36L Dual-Core | 793                                  | 2227                   | NA                           | NA          |
| AMD Athlon II P320 Dual-Core     | 1216                                 | 1983                   | 40.61                        | \$29.95     |
| AMD Athlon II P340 Dual-Core     | 1249                                 | 1966                   | 27.80                        | \$44.95*    |
| AMD Athlon II P360 Dual-Core     | 1317                                 | 1920                   | 54.89                        | \$24.00*    |
| AMD Athlon II X2 210e            | 1486                                 | 1843                   | NA                           | NA          |
| AMD Athlon II X2 215             | 1577                                 | 1804                   | 131.55                       | \$11.99*    |
| AMD Athlon II X2 220             | 1632                                 | 1773                   | 50.72                        | \$32.19     |
| AMD Athlon II X2 225             | 1526                                 | 1820                   | NA                           | NA          |



| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|---|---------------------------|---------------------------------|----------------|
| AMD Athlon II X2 235e          | 1660                                    | 1759                      | 9.13                            | \$181.88*      |
| AMD Athlon II X2 240           | 1641                                    | 1768                      | 102.64                          | \$15.99        |
| AMD Athlon II X2 240e          | 1700                                    | 1735                      | 48.65                           | \$34.95*       |
| AMD Athlon II X2 245           | 1657                                    | 1763                      | 47.44                           | \$34.95        |
| AMD Athlon II X2 245e          | 1706                                    | 1728                      | 21.33                           | \$80.00*       |
| AMD Athlon II X2 250           | 1742                                    | 1706                      | 44.74                           | \$38.95        |
| AMD Athlon II X2 250e          | 1949                                    | 1606                      | 25.41                           | \$76.73*       |
| AMD Athlon II X2 250u          | 1000                                    | 2106                      | 28.62                           | \$34.95*       |
| AMD Athlon II X2 255           | 1848                                    | 1660                      | 28.34                           | \$65.22*       |
| AMD Athlon II X2 260           | 1872                                    | 1650                      | 93.68                           | \$19.99        |
| AMD Athlon II X2 260u          | 1107                                    | 2042                      | 13.28                           | \$83.44*       |
| AMD Athlon II X2 265           | 1890                                    | 1641                      | 22.81                           | \$82.88*       |
| AMD Athlon II X2 270           | 1979                                    | 1594                      | 82.53                           | \$23.99        |
| AMD Athlon II X2 270u          | 1350                                    | 1905                      | 19.96                           | \$67.67*       |
| AMD Athlon II X2 280           | 2131                                    | 1531                      | 21.32                           | \$99.99*       |
| AMD Athlon II X2 4300e         | 1350                                    | 1904                      | NA                              | NA             |
| AMD Athlon II X2 4400e         | 1618                                    | 1782                      | NA                              | NA             |
| AMD Athlon II X2 4450e         | 1504                                    | 1836                      | NA                              | NA             |
| AMD Athlon II X2 B22           | 1710                                    | 1724                      | 32.58                           | \$52.49        |
| AMD Athlon II X2 B24           | 1770                                    | 1694                      | 44.31                           | \$39.95*       |
| AMD Athlon II X2 B26           | 1891                                    | 1639                      | 54.12                           | \$34.95        |
| AMD Athlon II X2 B28           | 2089                                    | 1551                      | 42.60                           | \$49.05*       |
| AMD Athlon II X3 400e          | 2009                                    | 1584                      | 18.70                           | \$107.43*      |
| AMD Athlon II X3 405e          | 2025                                    | 1575                      | 25.32                           | \$79.99*       |
| AMD Athlon II X3 415e          | 2247                                    | 1489                      | 29.97                           | \$75.00*       |
| AMD Athlon II X3 420e          | 2285                                    | 1470                      | 19.68                           | \$116.15*      |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Athlon II X3 425           | 2313                                    | 1456                      | 85.72                           | \$26.99        |
| AMD Athlon II X3 425e          | 2239                                    | 1494                      | NA                              | NA             |
| AMD Athlon II X3 435           | 2473                                    | 1402                      | 82.48                           | \$29.99        |
| AMD Athlon II X3 440           | 2571                                    | 1364                      | 95.29                           | \$26.99        |
| AMD Athlon II X3 445           | 2573                                    | 1362                      | 28.28                           | \$91.00*       |
| AMD Athlon II X3 450           | 2623                                    | 1343                      | 65.61                           | \$39.99        |
| AMD Athlon II X3 455           | 2769                                    | 1296                      | 71.02                           | \$38.99        |
| AMD Athlon II X3 460           | 2859                                    | 1268                      | 73.35                           | \$38.99        |
| AMD Athlon II X4 553           | 3814                                    | 992                       | NA                              | NA             |
| AMD Athlon II X4 555           | 3830                                    | 988                       | NA                              | NA             |
| AMD Athlon II X4 559           | 4142                                    | 929                       | NA                              | NA             |
| AMD Athlon II X4 600e          | 2453                                    | 1407                      | 18.84                           | \$130.23*      |
| AMD Athlon II X4 605e          | 2750                                    | 1306                      | 27.01                           | \$101.80*      |
| AMD Athlon II X4 610e          | 2797                                    | 1288                      | 39.97                           | \$69.99*       |
| AMD Athlon II X4 615e          | 2901                                    | 1258                      | 49.17                           | \$59.00*       |
| AMD Athlon II X4 620           | 2937                                    | 1239                      | 41.97                           | \$69.99        |
| AMD Athlon II X4 620e          | 2906                                    | 1254                      | NA                              | NA             |
| AMD Athlon II X4 630           | 3135                                    | 1175                      | 72.93                           | \$42.99        |
| AMD Athlon II X4 631 Quad-Core | 3153                                    | 1171                      | 39.42                           | \$80.00*       |
| AMD Athlon II X4 635           | 3244                                    | 1136                      | 46.38                           | \$69.95        |
| AMD Athlon II X4 638 Quad-Core | 3198                                    | 1154                      | 120.73                          | \$26.49        |
| AMD Athlon II X4 640           | 3313                                    | 1119                      | 41.45                           | \$79.95        |
| AMD Athlon II X4 641 Quad-Core | 3346                                    | 1111                      | 36.57                           | \$91.50*       |

| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Athlon II X4 645              | 3475                                 | 1079                   | 69.52                        | \$49.99     |
| AMD Athlon II X4 650              | 3479                                 | 1078                   | 20.89                        | \$166.60*   |
| AMD Athlon II X4 651 Quad-Core    | 3569                                 | 1053                   | 20.05                        | \$178.04*   |
| AMD Athlon II X4 655              | 2998                                 | 1217                   | NA                           | NA          |
| AMD Athlon II X4 6400e            | 2594                                 | 1352                   | NA                           | NA          |
| AMD Athlon L110                   | 306                                  | 2589                   | NA                           | NA          |
| AMD Athlon LE-1600                | 567                                  | 2336                   | 27.04                        | \$21.00*    |
| AMD Athlon LE-1620                | 572                                  | 2333                   | 31.80                        | \$18.00*    |
| AMD Athlon LE-1640                | 627                                  | 2303                   | NA                           | NA          |
| AMD Athlon LE-1660                | 688                                  | 2275                   | NA                           | NA          |
| AMD Athlon MP                     | 230                                  | 2695                   | 4.20                         | \$54.95*    |
| AMD Athlon MP 1700+               | 339                                  | 2555                   | NA                           | NA          |
| AMD Athlon MP 2400+               | 436                                  | 2445                   | NA                           | NA          |
| AMD Athlon MP 2800+               | 497                                  | 2378                   | NA                           | NA          |
| AMD Athlon Neo MV-40              | 409                                  | 2468                   | NA                           | NA          |
| AMD Athlon Neo X2 Dual Core 6850e | 1002                                 | 2104                   | NA                           | NA          |
| AMD Athlon Neo X2 Dual Core L325  | 776                                  | 2231                   | NA                           | NA          |
| AMD Athlon Neo X2 Dual Core L335  | 828                                  | 2210                   | NA                           | NA          |
| AMD Athlon PRO 200GE              | 5286                                 | 718                    | NA                           | NA          |
| AMD Athlon QI-46                  | 473                                  | 2404                   | NA                           | NA          |
| AMD Athlon TF-20                  | 414                                  | 2462                   | NA                           | NA          |
| AMD Athlon TF-36                  | 358                                  | 2533                   | NA                           | NA          |
| AMD Athlon X2 215                 | 1543                                 | 1815                   | NA                           | NA          |
| AMD Athlon X2 235e                | 1806                                 | 1680                   | NA                           | NA          |
| AMD Athlon X2 240                 | 1589                                 | 1801                   | NA                           | NA          |
| AMD Athlon X2 240e                | 1670                                 | 1752                   | NA                           | NA          |
| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Athlon X2 250                 | 1696                                 | 1737                   | NA                           | NA          |
| AMD Athlon X2 255                 | 1627                                 | 1777                   | NA                           | NA          |
| AMD Athlon X2 280                 | 2303                                 | 1462                   | 68.77                        | \$33.49     |
| AMD Athlon X2 340 Dual Core       | 1901                                 | 1629                   | 38.03                        | \$49.99     |
| AMD Athlon X2 370K Dual Core      | 2251                                 | 1488                   | NA                           | NA          |
| AMD Athlon X2 440                 | 1424                                 | 1866                   | NA                           | NA          |
| AMD Athlon X2 Dual Core 3250e     | 779                                  | 2229                   | NA                           | NA          |
| AMD Athlon X2 Dual Core 6850e     | 998                                  | 2107                   | NA                           | NA          |
| AMD Athlon X2 Dual Core BE-2300   | 925                                  | 2162                   | NA                           | NA          |
| AMD Athlon X2 Dual Core BE-2350   | 1104                                 | 2043                   | NA                           | NA          |
| AMD Athlon X2 Dual Core BE-2400   | 1213                                 | 1984                   | NA                           | NA          |
| AMD Athlon X2 Dual Core BE-2450   | 1251                                 | 1965                   | NA                           | NA          |
| AMD Athlon X2 Dual Core L310      | 643                                  | 2295                   | NA                           | NA          |
| AMD Athlon X2 Dual Core LS-5800   | 1009                                 | 2100                   | NA                           | NA          |
| AMD Athlon X3 425                 | 2191                                 | 1511                   | NA                           | NA          |
| AMD Athlon X3 435                 | 2574                                 | 1361                   | 26.96                        | \$95.49*    |
| AMD Athlon X3 440                 | 2078                                 | 1557                   | 23.62                        | \$87.99*    |
| AMD Athlon X3 445                 | 2314                                 | 1455                   | NA                           | NA          |
| AMD Athlon X3 450                 | 3064                                 | 1197                   | 38.80                        | \$78.99*    |
| AMD Athlon X3 455                 | 2401                                 | 1426                   | NA                           | NA          |
| AMD Athlon X4 605e                | 2505                                 | 1391                   | NA                           | NA          |
| AMD Athlon X4 620                 | 2861                                 | 1266                   | 47.74                        | \$59.95     |
| AMD Athlon X4 635                 | 2891                                 | 1261                   | 23.71                        | \$121.99*   |



| CPU Name                     | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Athlon X4 640            | 3172                                 | 1159                   | NA                           | NA          |
| AMD Athlon X4 740 Quad Core  | 4009                                 | 950                    | 14.48                        | \$277.00*   |
| AMD Athlon X4 750 Quad Core  | 4551                                 | 850                    | NA                           | NA          |
| AMD Athlon X4 750K Quad Core | 4248                                 | 911                    | 55.18                        | \$76.99*    |
| AMD Athlon X4 760K Quad Core | 4594                                 | 843                    | 99.91                        | \$45.99     |
| AMD Athlon X4 830            | 4701                                 | 818                    | NA                           | NA          |
| AMD Athlon X4 840            | 5037                                 | 759                    | 63.98                        | \$78.74*    |
| AMD Athlon X4 845            | 5423                                 | 696                    | 108.48                       | \$49.99     |
| AMD Athlon X4 860K           | 5434                                 | 693                    | 92.12                        | \$58.99     |
| AMD Athlon X4 870K           | 5301                                 | 716                    | 66.28                        | \$79.99     |
| AMD Athlon X4 880K           | 5560                                 | 674                    | 55.61                        | \$99.99     |
| AMD Athlon X4 950            | 5305                                 | 715                    | 88.44                        | \$59.99     |
| AMD Athlon XP1600+           | 281                                  | 2635                   | NA                           | NA          |
| AMD Athlon XP1700+           | 234                                  | 2691                   | NA                           | NA          |
| AMD Athlon XP1900+           | 353                                  | 2539                   | NA                           | NA          |
| AMD Athlon XP2100+           | 287                                  | 2625                   | NA                           | NA          |
| AMD Athlon XP2200+           | 401                                  | 2482                   | NA                           | NA          |
| AMD Athlon XP2400+           | 374                                  | 2512                   | NA                           | NA          |
| AMD Athlon XP 1500           | 282                                  | 2634                   | NA                           | NA          |
| AMD Athlon XP 1500+          | 257                                  | 2665                   | NA                           | NA          |
| AMD Athlon XP 1600+          | 267                                  | 2655                   | NA                           | NA          |
| AMD Athlon XP 1700           | 344                                  | 2551                   | NA                           | NA          |
| AMD Athlon XP 1700+          | 271                                  | 2649                   | NA                           | NA          |
| AMD Athlon XP 1800+          | 300                                  | 2600                   | 5.10                         | \$58.95*    |
| AMD Athlon XP 1900+          | 312                                  | 2583                   | NA                           | NA          |
| AMD Athlon XP 2000+          | 299                                  | 2601                   | 12.00                        | \$24.99*    |
| CPU Name                     | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Athlon XP 2100+          | 323                                  | 2567                   | NA                           | NA          |
| AMD Athlon XP 2200+          | 328                                  | 2565                   | 3.87                         | \$84.95*    |
| AMD Athlon XP 2300+          | 464                                  | 2411                   | NA                           | NA          |
| AMD Athlon XP 2400+          | 360                                  | 2532                   | 4.01                         | \$89.99*    |
| AMD Athlon XP 2500+          | 355                                  | 2536                   | NA                           | NA          |
| AMD Athlon XP 2600+          | 372                                  | 2516                   | 16.18                        | \$23.03*    |
| AMD Athlon XP 2700+          | 393                                  | 2493                   | 4.64                         | \$84.79*    |
| AMD Athlon XP 2800+          | 399                                  | 2485                   | NA                           | NA          |
| AMD Athlon XP 2900+          | 440                                  | 2438                   | NA                           | NA          |
| AMD Athlon XP 3000+          | 402                                  | 2481                   | 5.05                         | \$79.70*    |
| AMD Athlon XP 3100+          | 433                                  | 2450                   | NA                           | NA          |
| AMD Athlon XP 3200+          | 433                                  | 2449                   | NA                           | NA          |
| AMD Athlon XP 3400+          | 570                                  | 2335                   | NA                           | NA          |
| AMD Athlon XP Pro3+          | 367                                  | 2522                   | NA                           | NA          |
| AMD Athlon XP-M              | 541                                  | 2348                   | 15.48                        | \$34.95*    |
| AMD C-30                     | 310                                  | 2585                   | NA                           | NA          |
| AMD C-50                     | 462                                  | 2414                   | NA                           | NA          |
| AMD C-60                     | 466                                  | 2409                   | NA                           | NA          |
| AMD C-60 APU                 | 544                                  | 2344                   | NA                           | NA          |
| AMD C-70 APU                 | 563                                  | 2338                   | NA                           | NA          |
| AMD E1 Micro-6200T APU       | 960                                  | 2137                   | NA                           | NA          |
| AMD E1-1200 APU              | 657                                  | 2288                   | NA                           | NA          |
| AMD E1-1500 APU              | 688                                  | 2276                   | NA                           | NA          |

| CPU Name                                  | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------|-------------|
| AMD E1-2100 APU                           | 636                                  | 2299                   | NA                           | NA          |
| AMD E1-2200 APU                           | 767                                  | 2234                   | NA                           | NA          |
| AMD E1-2500 APU                           | 888                                  | 2181                   | NA                           | NA          |
| AMD E1-6010 APU                           | 860                                  | 2192                   | NA                           | NA          |
| AMD E1-6015 APU                           | 901                                  | 2178                   | NA                           | NA          |
| AMD E1-7010 APU                           | 1011                                 | 2099                   | NA                           | NA          |
| AMD E2-1800 APU                           | 818                                  | 2214                   | NA                           | NA          |
| AMD E2-2000 APU                           | 830                                  | 2208                   | NA                           | NA          |
| AMD E2-3000 APU                           | 1088                                 | 2052                   | NA                           | NA          |
| AMD E2-3000M APU                          | 1092                                 | 2050                   | 54.65                        | \$20.00*    |
| AMD E2-3200 APU                           | 1401                                 | 1875                   | 175.41                       | \$7.99*     |
| AMD E2-3800 APU                           | 1644                                 | 1766                   | NA                           | NA          |
| AMD E2-6110 APU                           | 1902                                 | 1626                   | NA                           | NA          |
| AMD E2-7110 APU                           | 2281                                 | 1477                   | NA                           | NA          |
| AMD E2-9000                               | 1666                                 | 1756                   | NA                           | NA          |
| AMD E2-9000e                              | 1352                                 | 1903                   | NA                           | NA          |
| AMD E2-9010                               | 1774                                 | 1691                   | NA                           | NA          |
| AMD E-240                                 | 318                                  | 2573                   | NA                           | NA          |
| AMD E-300 APU                             | 611                                  | 2310                   | NA                           | NA          |
| AMD E-350                                 | 747                                  | 2245                   | NA                           | NA          |
| AMD E-350 APU                             | 759                                  | 2240                   | NA                           | NA          |
| AMD E-350D APU                            | 723                                  | 2255                   | NA                           | NA          |
| AMD E-450 APU                             | 766                                  | 2235                   | NA                           | NA          |
| AMD Embedded G-Series GX-215JJ Radeon R2E | 1750                                 | 1702                   | NA                           | NA          |
| AMD Embedded G-Series GX-224IJ Radeon R4E | 2088                                 | 1552                   | NA                           | NA          |
| AMD Embedded G-Series GX-420GI Radeon R7E | 2509                                 | 1387                   | NA                           | NA          |
| CPU Name                                  | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Embedded R-Series RX-216GD            | 2409                                 | 1421                   | NA                           | NA          |
| AMD Embedded R-Series RX-418GD Radeon R6  | 5068                                 | 749                    | NA                           | NA          |
| AMD Embedded R-Series RX-421BD            | 4635                                 | 828                    | NA                           | NA          |
| AMD EPYC 7251 8-Core                      | 10679                                | 230                    | 21.01                        | \$508.29    |
| AMD EPYC 7351P                            | 15820                                | 102                    | 14.98                        | \$1,056.00  |
| AMD EPYC 7401P                            | 18546                                | 54                     | 16.06                        | \$1,154.99  |
| AMD EPYC 7501                             | 18942                                | 50                     | 4.32                         | \$4,379.91  |
| AMD EPYC 7551                             | 18483                                | 56                     | 4.85                         | \$3,813.99  |
| AMD FirePro A320 APU                      | 4540                                 | 856                    | NA                           | NA          |
| AMD FX-670K Quad-Core                     | 4550                                 | 851                    | NA                           | NA          |
| AMD FX-770K Quad-Core                     | 4777                                 | 807                    | NA                           | NA          |
| AMD FX-870K Quad Core                     | 5105                                 | 739                    | NA                           | NA          |
| AMD FX-4100 Quad-Core                     | 4070                                 | 939                    | 31.31                        | \$129.99*   |
| AMD FX-4130 Quad-Core                     | 4164                                 | 925                    | 54.80                        | \$75.99*    |
| AMD FX-4150 Quad-Core                     | 4594                                 | 844                    | NA                           | NA          |
| AMD FX-4170 Quad-Core                     | 4857                                 | 793                    | 48.58                        | \$99.99     |
| AMD FX-4200 Quad-Core                     | 4279                                 | 903                    | 18.75                        | \$228.21*   |
| AMD FX-4300 Quad-Core                     | 4683                                 | 819                    | 89.22                        | \$52.49     |
| AMD FX-4320                               | 5004                                 | 766                    | NA                           | NA          |
| AMD FX-4330                               | 5321                                 | 713                    | NA                           | NA          |

| CPU Name                | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------|---|---------------------------|---------------------------------|----------------|
| AMD FX-4350 Quad-Core   | 5334                                    | 711                       | 41.04                           | \$129.99       |
| AMD FX-6100 Six-Core    | 5379                                    | 702                       | 17.70                           | \$304.00       |
| AMD FX-6120 Six-Core    | 5734                                    | 651                       | NA                              | NA             |
| AMD FX-6130 Six-Core    | 6215                                    | 597                       | NA                              | NA             |
| AMD FX-6200 Six-Core    | 6130                                    | 610                       | 18.03                           | \$339.95       |
| AMD FX-6300 Six-Core    | 6385                                    | 591                       | 116.12                          | \$54.99        |
| AMD FX-6330 Six-Core    | 6916                                    | 539                       | NA                              | NA             |
| AMD FX-6350 Six-Core    | 6997                                    | 531                       | 53.83                           | \$129.99       |
| AMD FX-7500 APU         | 3212                                    | 1151                      | NA                              | NA             |
| AMD FX-7600P            | 4051                                    | 941                       | NA                              | NA             |
| AMD FX-7600P APU        | 4627                                    | 832                       | NA                              | NA             |
| AMD FX-8100 Eight-Core  | 6018                                    | 622                       | 42.39                           | \$142.00*      |
| AMD FX-8120 Eight-Core  | 6598                                    | 568                       | 65.99                           | \$99.99        |
| AMD FX-8140 Eight-Core  | 6033                                    | 620                       | NA                              | NA             |
| AMD FX-8150 Eight-Core  | 7628                                    | 472                       | 19.89                           | \$383.50*      |
| AMD FX-8300 Eight-Core  | 7717                                    | 463                       | 93.83                           | \$82.25        |
| AMD FX-8310 Eight-Core  | 7758                                    | 458                       | NA                              | NA             |
| AMD FX-8320 Eight-Core  | 8018                                    | 433                       | 93.24                           | \$86.00        |
| AMD FX-8320E Eight-Core | 7544                                    | 477                       | 78.06                           | \$96.65        |
| AMD FX-8350 Eight-Core  | 8949                                    | 363                       | 127.87                          | \$69.99        |
| AMD FX-8370 Eight-Core  | 9027                                    | 355                       | 70.53                           | \$127.99       |
| AMD FX-8370E Eight-Core | 7802                                    | 452                       | 30.12                           | \$259.00       |
| AMD FX-8800P            | 4142                                    | 930                       | NA                              | NA             |
| AMD FX-9370 Eight-Core  | 9467                                    | 316                       | 52.93                           | \$178.89       |
| AMD FX-9590 Eight-Core  | 10192                                   | 252                       | 102.95                          | \$99.00        |
| AMD FX-9800P            | 4007                                    | 953                       | NA                              | NA             |
| AMD FX-9830P            | 4746                                    | 812                       | NA                              | NA             |
| AMD FX-B4150 Quad-Core  | 4611                                    | 836                       | NA                              | NA             |
| AMD G-T40E              | 485                                     | 2391                      | NA                              | NA             |
| CPU Name                | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD G-T40N              | 516                                     | 2363                      | NA                              | NA             |
| AMD G-T40R              | 203                                     | 2722                      | NA                              | NA             |
| AMD G-T44R              | 227                                     | 2697                      | NA                              | NA             |
| AMD G-T48E              | 716                                     | 2259                      | NA                              | NA             |
| AMD G-T52R              | 303                                     | 2594                      | NA                              | NA             |
| AMD G-T56E              | 751                                     | 2243                      | NA                              | NA             |
| AMD G-T56N              | 788                                     | 2228                      | NA                              | NA             |
| AMD Geode NX            | 264                                     | 2658                      | NA                              | NA             |
| AMD Geode NX 1750       | 291                                     | 2614                      | NA                              | NA             |
| AMD GX-210JA SOC        | 401                                     | 2483                      | NA                              | NA             |
| AMD GX-212JC SOC        | 744                                     | 2247                      | NA                              | NA             |
| AMD GX-217GA SOC        | 1097                                    | 2046                      | NA                              | NA             |
| AMD GX-218GL SOC        | 1115                                    | 2032                      | NA                              | NA             |
| AMD GX-222GC SOC        | 1255                                    | 1962                      | NA                              | NA             |
| AMD GX-412HC            | 1497                                    | 1840                      | NA                              | NA             |
| AMD GX-415GA SOC        | 1946                                    | 1608                      | NA                              | NA             |
| AMD GX-420CA SOC        | 2362                                    | 1442                      | NA                              | NA             |
| AMD GX-424CC SOC        | 2488                                    | 1396                      | NA                              | NA             |
| AMD K7                  | 403                                     | 2478                      | NA                              | NA             |
| AMD Opteron 140         | 396                                     | 2489                      | 0.56                            | \$710.00*      |

| CPU Name            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|---------------------|---|---------------------------|---------------------------------|----------------|
| AMD Opteron 142     | 428                                     | 2456                      | NA                              | NA             |
| AMD Opteron 144     | 486                                     | 2390                      | 7.48                            | \$65.00*       |
| AMD Opteron 146     | 532                                     | 2354                      | 8.87                            | \$59.99*       |
| AMD Opteron 148     | 603                                     | 2316                      | NA                              | NA             |
| AMD Opteron 150     | 604                                     | 2314                      | NA                              | NA             |
| AMD Opteron 152     | 658                                     | 2286                      | NA                              | NA             |
| AMD Opteron 154     | 703                                     | 2269                      | NA                              | NA             |
| AMD Opteron 165     | 899                                     | 2179                      | 1.47                            | \$610.00*      |
| AMD Opteron 170     | 1097                                    | 2047                      | NA                              | NA             |
| AMD Opteron 175     | 1167                                    | 2010                      | NA                              | NA             |
| AMD Opteron 180     | 1234                                    | 1974                      | 9.50                            | \$129.95*      |
| AMD Opteron 185     | 1360                                    | 1899                      | NA                              | NA             |
| AMD Opteron 246     | 632                                     | 2301                      | 31.62                           | \$19.99        |
| AMD Opteron 248     | 476                                     | 2402                      | 4.77                            | \$99.95        |
| AMD Opteron 250     | 649                                     | 2291                      | 59.01                           | \$11.00*       |
| AMD Opteron 252     | 760                                     | 2239                      | 12.00                           | \$63.36*       |
| AMD Opteron 254     | 693                                     | 2272                      | NA                              | NA             |
| AMD Opteron 256     | 963                                     | 2134                      | 50.72                           | \$19.00*       |
| AMD Opteron 265     | 963                                     | 2135                      | 6.02                            | \$159.95*      |
| AMD Opteron 270     | 1083                                    | 2059                      | 1.78                            | \$607.47*      |
| AMD Opteron 275     | 1291                                    | 1938                      | 19.87                           | \$64.99        |
| AMD Opteron 280     | 1272                                    | 1952                      | 1.60                            | \$796.67*      |
| AMD Opteron 285     | 1470                                    | 1848                      | NA                              | NA             |
| AMD Opteron 290     | 1464                                    | 1850                      | 10.85                           | \$135.00*      |
| AMD Opteron 1210    | 923                                     | 2164                      | NA                              | NA             |
| AMD Opteron 1210 HE | 971                                     | 2126                      | NA                              | NA             |
| AMD Opteron 1212    | 1009                                    | 2101                      | 3.48                            | \$290.00*      |
| AMD Opteron 1212 HE | 1308                                    | 1925                      | NA                              | NA             |
| AMD Opteron 1214    | 1191                                    | 1995                      | 4.11                            | \$290.00*      |
| CPU Name            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Opteron 1214 HE | 1299                                    | 1929                      | NA                              | NA             |
| AMD Opteron 1216    | 1311                                    | 1923                      | 23.91                           | \$54.85*       |
| AMD Opteron 1216 HE | 1172                                    | 2007                      | NA                              | NA             |
| AMD Opteron 1218    | 1468                                    | 1849                      | NA                              | NA             |
| AMD Opteron 1218 HE | 1444                                    | 1859                      | NA                              | NA             |
| AMD Opteron 1220    | 1653                                    | 1765                      | NA                              | NA             |
| AMD Opteron 1222    | 1757                                    | 1700                      | NA                              | NA             |
| AMD Opteron 1352    | 2316                                    | 1454                      | 17.04                           | \$135.99*      |
| AMD Opteron 1354    | 2630                                    | 1341                      | 8.49                            | \$309.97*      |
| AMD Opteron 1356    | 2765                                    | 1299                      | 30.73                           | \$89.99*       |
| AMD Opteron 1381    | 3065                                    | 1196                      | NA                              | NA             |
| AMD Opteron 2212    | 1270                                    | 1954                      | 105.89                          | \$12.00*       |
| AMD Opteron 2214    | 1358                                    | 1900                      | 46.85                           | \$29.00        |
| AMD Opteron 2214 HE | 1415                                    | 1870                      | NA                              | NA             |
| AMD Opteron 2216    | 1518                                    | 1830                      | 8.53                            | \$178.01*      |
| AMD Opteron 2218    | 1594                                    | 1798                      | 49.18                           | \$32.42*       |
| AMD Opteron 2220    | 1701                                    | 1734                      | 1.15                            | \$1,475.16*    |
| AMD Opteron 2220 SE | 1398                                    | 1877                      | 55.92                           | \$25.00*       |
| AMD Opteron 2222    | 1843                                    | 1663                      | 1.11                            | \$1,664.98*    |
| AMD Opteron 2224 SE | 1919                                    | 1620                      | NA                              | NA             |

| CPU Name            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Opteron 2350    | 2820                                 | 1277                   | 10.45                        | \$269.99*   |
| AMD Opteron 2356    | 2814                                 | 1280                   | 188.25                       | \$14.95     |
| AMD Opteron 2373 EE | 2789                                 | 1291                   | NA                           | NA          |
| AMD Opteron 2374 HE | 2951                                 | 1233                   | 15.53                        | \$189.99*   |
| AMD Opteron 2376    | 2283                                 | 1473                   | 13.69                        | \$166.80*   |
| AMD Opteron 2378    | 3179                                 | 1158                   | 17.76                        | \$179.00*   |
| AMD Opteron 2380    | 2640                                 | 1338                   | 105.64                       | \$25.00*    |
| AMD Opteron 2384    | 3538                                 | 1065                   | 4.21                         | \$840.00*   |
| AMD Opteron 2386 SE | 3538                                 | 1066                   | NA                           | NA          |
| AMD Opteron 2393 SE | 2246                                 | 1490                   | NA                           | NA          |
| AMD Opteron 2427    | 3069                                 | 1194                   | 31.00                        | \$99.00     |
| AMD Opteron 2431    | 4516                                 | 859                    | 112.91                       | \$40.00     |
| AMD Opteron 2435    | 4708                                 | 816                    | 24.91                        | \$189.00    |
| AMD Opteron 3260 HE | 3259                                 | 1130                   | NA                           | NA          |
| AMD Opteron 3280    | 5286                                 | 719                    | 19.35                        | \$273.18*   |
| AMD Opteron 3320 EE | 2675                                 | 1328                   | NA                           | NA          |
| AMD Opteron 3350 HE | 4009                                 | 951                    | NA                           | NA          |
| AMD Opteron 3365    | 5963                                 | 625                    | NA                           | NA          |
| AMD Opteron 3380    | 6384                                 | 592                    | 7.89                         | \$809.00*   |
| AMD Opteron 4122    | 2942                                 | 1236                   | 23.55                        | \$124.99*   |
| AMD Opteron 4162 EE | 3166                                 | 1162                   | NA                           | NA          |
| AMD Opteron 4184    | 4418                                 | 875                    | 8.50                         | \$519.95*   |
| AMD Opteron 4280    | 6430                                 | 584                    | 128.63                       | \$49.99     |
| AMD Opteron 4284    | 6660                                 | 561                    | 111.03                       | \$59.99     |
| AMD Opteron 4332 HE | 5614                                 | 667                    | NA                           | NA          |
| AMD Opteron 4334    | 6099                                 | 612                    | 28.18                        | \$216.42*   |
| AMD Opteron 4365 EE | 5025                                 | 760                    | NA                           | NA          |
| AMD Opteron 4386    | 5419                                 | 697                    | 38.71                        | \$139.99    |
| AMD Opteron 6128    | 4505                                 | 860                    | 214.63                       | \$20.99     |
| CPU Name            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Opteron 6134    | 2938                                 | 1238                   | 8.93                         | \$329.00    |
| AMD Opteron 6136    | 4631                                 | 829                    | 12.90                        | \$359.00*   |
| AMD Opteron 6164 HE | 5351                                 | 707                    | NA                           | NA          |
| AMD Opteron 6174    | 6171                                 | 605                    | 62.34                        | \$99.00     |
| AMD Opteron 6176 SE | 5446                                 | 690                    | 34.26                        | \$159.00    |
| AMD Opteron 6212    | 5776                                 | 646                    | 192.62                       | \$29.99     |
| AMD Opteron 6220    | 6785                                 | 547                    | 113.11                       | \$59.99     |
| AMD Opteron 6234    | 5979                                 | 624                    | 85.44                        | \$69.99*    |
| AMD Opteron 6238    | 7316                                 | 499                    | 121.96                       | \$59.99     |
| AMD Opteron 6272    | 6748                                 | 554                    | 10.24                        | \$658.89    |
| AMD Opteron 6274    | 4865                                 | 790                    | 20.36                        | \$239.00    |
| AMD Opteron 6276    | 9011                                 | 358                    | 112.66                       | \$79.99     |
| AMD Opteron 6282 SE | 9116                                 | 347                    | 70.13                        | \$129.99    |
| AMD Opteron 6287 SE | 9789                                 | 289                    | NA                           | NA          |
| AMD Opteron 6328    | 7813                                 | 451                    | 21.76                        | \$359.00    |
| AMD Opteron 6366 HE | 7503                                 | 481                    | 37.52                        | \$199.99    |
| AMD Opteron 6376    | 9414                                 | 322                    | 144.84                       | \$65.00     |
| AMD Opteron 6378    | 2152                                 | 1522                   | 10.76                        | \$199.99    |
| AMD Opteron 6380    | 10081                                | 264                    | 112.03                       | \$89.99     |
| AMD Opteron 6386 SE | 10748                                | 226                    | 71.66                        | \$149.99    |

| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------|---|---------------------------|---------------------------------|----------------|
| AMD Opteron 8354                    | 2255                                    | 1487                      | 102.52                          | \$22.00        |
| AMD Opteron 8439 SE                 | 3813                                    | 993                       | 50.84                           | \$75.00*       |
| AMD Opteron X2170 APU               | 3059                                    | 1198                      | NA                              | NA             |
| AMD Opteron X3216 APU               | 2368                                    | 1439                      | NA                              | NA             |
| AMD Opteron X3421 APU               | 4894                                    | 785                       | NA                              | NA             |
| AMD Phenom 2 X4 12000               | 3005                                    | 1216                      | NA                              | NA             |
| AMD Phenom 7950 Quad-Core           | 2991                                    | 1222                      | NA                              | NA             |
| AMD Phenom 8250 Triple-Core         | 1644                                    | 1767                      | NA                              | NA             |
| AMD Phenom 8250e Triple-Core        | 1619                                    | 1781                      | 34.45                           | \$46.99*       |
| AMD Phenom 8400 Triple-Core         | 1631                                    | 1775                      | NA                              | NA             |
| AMD Phenom 8450 Triple-Core         | 1887                                    | 1645                      | 63.01                           | \$29.95*       |
| AMD Phenom 8450e Triple-Core        | 2040                                    | 1568                      | NA                              | NA             |
| AMD Phenom 8600 Triple-Core         | 1703                                    | 1731                      | 32.15                           | \$52.99*       |
| AMD Phenom 8600B Triple-Core        | 1920                                    | 1619                      | 36.25                           | \$52.99*       |
| AMD Phenom 8650 Triple-Core         | 1991                                    | 1589                      | 39.83                           | \$49.99*       |
| AMD Phenom 8750 Triple-Core         | 2058                                    | 1563                      | NA                              | NA             |
| AMD Phenom 8750B Triple-Core        | 2034                                    | 1572                      | NA                              | NA             |
| AMD Phenom 8850 Triple-Core         | 2026                                    | 1574                      | NA                              | NA             |
| AMD Phenom 8850B Triple-Core        | 2080                                    | 1556                      | NA                              | NA             |
| AMD Phenom 9100e Quad-Core          | 1835                                    | 1669                      | 45.96                           | \$39.95        |
| AMD Phenom 9150e Quad-Core          | 2113                                    | 1541                      | 52.90                           | \$39.95*       |
| AMD Phenom 9350e Quad-Core          | 2320                                    | 1453                      | 0.69                            | \$3,382.07*    |
| AMD Phenom 9450e Quad-Core          | 2621                                    | 1344                      | 24.96                           | \$105.00*      |
| AMD Phenom 9500 Quad-Core           | 2204                                    | 1506                      | 76.04                           | \$28.99        |
| AMD Phenom 9550 Quad-Core           | 2543                                    | 1373                      | 87.74                           | \$28.99        |
| AMD Phenom 9600 Quad-Core           | 2304                                    | 1459                      | 46.13                           | \$49.95        |
| AMD Phenom 9600B Quad-Core          | 2577                                    | 1360                      | 17.51                           | \$147.19*      |
| AMD Phenom 9650 Quad-Core           | 2638                                    | 1340                      | 48.01                           | \$54.95*       |
| AMD Phenom 9750 Quad-Core           | 2812                                    | 1282                      | 95.37                           | \$29.49        |
| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Phenom 9750B Quad-Core          | 2709                                    | 1318                      | NA                              | NA             |
| AMD Phenom 9850 Quad-Core           | 2893                                    | 1260                      | 57.87                           | \$50.00*       |
| AMD Phenom 9850B Quad-Core          | 3160                                    | 1167                      | NA                              | NA             |
| AMD Phenom 9950 Quad-Core           | 3012                                    | 1212                      | 16.74                           | \$179.98*      |
| AMD Phenom FX-5000 Quad-Core        | 2517                                    | 1383                      | NA                              | NA             |
| AMD Phenom FX-5200 Quad-Core        | 2948                                    | 1234                      | NA                              | NA             |
| AMD Phenom FX-7750 Quad-Core        | 3616                                    | 1041                      | NA                              | NA             |
| AMD Phenom II 42 TWKR Black Edition | 3489                                    | 1076                      | NA                              | NA             |
| AMD Phenom II N620 Dual-Core        | 1681                                    | 1745                      | 421.40                          | \$3.99         |
| AMD Phenom II N640 Dual-Core        | 1716                                    | 1719                      | 26.43                           | \$64.95*       |
| AMD Phenom II N660 Dual-Core        | 1853                                    | 1658                      | 18.72                           | \$99.00*       |
| AMD Phenom II N830 3+1              | 2652                                    | 1333                      | NA                              | NA             |
| AMD Phenom II N830 Triple-Core      | 1889                                    | 1642                      | NA                              | NA             |
| AMD Phenom II N850 Triple-Core      | 1935                                    | 1612                      | 77.42                           | \$25.00*       |
| AMD Phenom II N870 Triple-Core      | 1988                                    | 1591                      | NA                              | NA             |
| AMD Phenom II N930 Quad-Core        | 2270                                    | 1481                      | 17.47                           | \$129.95*      |
| AMD Phenom II N950 Quad-Core        | 2484                                    | 1399                      | 22.07                           | \$112.60*      |
| AMD Phenom II N970 Quad-Core        | 2524                                    | 1380                      | 16.83                           | \$149.99*      |
| AMD Phenom II P650 Dual-Core        | 1597                                    | 1795                      | 45.66                           | \$35.00*       |
| AMD Phenom II P820 Triple-Core      | 1604                                    | 1789                      | NA                              | NA             |



| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|---|---------------------------|---------------------------------|----------------|
| AMD Phenom II P840 Triple-Core | 1738                                    | 1710                      | NA                              | NA             |
| AMD Phenom II P860 Triple-Core | 1759                                    | 1697                      | NA                              | NA             |
| AMD Phenom II P920 Quad-Core   | 1866                                    | 1652                      | 24.89                           | \$75.00*       |
| AMD Phenom II P940 Quad-Core   | 1820                                    | 1677                      | NA                              | NA             |
| AMD Phenom II P960 Quad-Core   | 2086                                    | 1553                      | 74.52                           | \$28.00*       |
| AMD Phenom II X2 511           | 2104                                    | 1545                      | NA                              | NA             |
| AMD Phenom II X2 521           | 2077                                    | 1558                      | NA                              | NA             |
| AMD Phenom II X2 545           | 1911                                    | 1623                      | 43.46                           | \$43.98        |
| AMD Phenom II X2 550           | 2021                                    | 1576                      | 40.44                           | \$49.99        |
| AMD Phenom II X2 555           | 2044                                    | 1567                      | 70.51                           | \$28.99        |
| AMD Phenom II X2 560           | 2057                                    | 1564                      | 51.46                           | \$39.99        |
| AMD Phenom II X2 565           | 2211                                    | 1502                      | 73.73                           | \$29.99        |
| AMD Phenom II X2 570           | 1960                                    | 1601                      | NA                              | NA             |
| AMD Phenom II X2 B53           | 1709                                    | 1726                      | NA                              | NA             |
| AMD Phenom II X2 B55           | 1931                                    | 1615                      | 40.24                           | \$48.00*       |
| AMD Phenom II X2 B57           | 1826                                    | 1673                      | NA                              | NA             |
| AMD Phenom II X2 B59           | 2139                                    | 1528                      | 107.07                          | \$19.98        |
| AMD Phenom II X3 700e          | 2285                                    | 1472                      | NA                              | NA             |
| AMD Phenom II X3 705e          | 2227                                    | 1497                      | 14.63                           | \$152.34*      |
| AMD Phenom II X3 710           | 2443                                    | 1411                      | 28.91                           | \$84.53*       |
| AMD Phenom II X3 715           | 2649                                    | 1335                      | 31.17                           | \$84.99*       |
| AMD Phenom II X3 720           | 2679                                    | 1327                      | 38.28                           | \$69.99        |
| AMD Phenom II X3 740           | 2994                                    | 1220                      | 33.65                           | \$88.99*       |
| AMD Phenom II X3 B73           | 2735                                    | 1312                      | 36.47                           | \$75.00*       |
| AMD Phenom II X3 B75           | 2929                                    | 1242                      | 73.25                           | \$39.99        |
| AMD Phenom II X3 B77           | 3067                                    | 1195                      | 125.79                          | \$24.39        |
| AMD Phenom II X4 805           | 2994                                    | 1219                      | 17.21                           | \$173.99*      |
| AMD Phenom II X4 810           | 3125                                    | 1178                      | 26.94                           | \$115.99*      |
| AMD Phenom II X4 820           | 3400                                    | 1096                      | 45.38                           | \$74.95*       |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| AMD Phenom II X4 830           | 3437                                    | 1087                      | 42.99                           | \$79.95*       |
| AMD Phenom II X4 840           | 3511                                    | 1070                      | 39.04                           | \$89.95*       |
| AMD Phenom II X4 840T          | 3601                                    | 1044                      | 51.45                           | \$69.99        |
| AMD Phenom II X4 850           | 3547                                    | 1061                      | 54.59                           | \$64.99        |
| AMD Phenom II X4 900e          | 2882                                    | 1263                      | NA                              | NA             |
| AMD Phenom II X4 905e          | 3087                                    | 1188                      | 57.18                           | \$53.99        |
| AMD Phenom II X4 910           | 3252                                    | 1133                      | 32.53                           | \$100.00*      |
| AMD Phenom II X4 910e          | 3253                                    | 1132                      | 20.72                           | \$156.99*      |
| AMD Phenom II X4 920           | 3399                                    | 1097                      | 75.57                           | \$44.99        |
| AMD Phenom II X4 925           | 3421                                    | 1090                      | 77.78                           | \$43.99        |
| AMD Phenom II X4 940           | 3592                                    | 1046                      | 29.94                           | \$119.99*      |
| AMD Phenom II X4 945           | 3662                                    | 1034                      | 74.00                           | \$49.49        |
| AMD Phenom II X4 955           | 3932                                    | 972                       | 30.22                           | \$130.16*      |
| AMD Phenom II X4 960T          | 3787                                    | 1001                      | 59.20                           | \$63.99        |
| AMD Phenom II X4 965           | 4192                                    | 918                       | 71.05                           | \$59.00        |
| AMD Phenom II X4 970           | 4328                                    | 896                       | 29.23                           | \$148.11*      |
| AMD Phenom II X4 973           | 3759                                    | 1008                      | NA                              | NA             |
| AMD Phenom II X4 975           | 4469                                    | 865                       | 35.28                           | \$126.69       |
| AMD Phenom II X4 977           | 3750                                    | 1012                      | NA                              | NA             |
| AMD Phenom II X4 980           | 4493                                    | 862                       | 32.88                           | \$136.64*      |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Phenom II X4 8700e          | 2377                                 | 1434                   | NA                           | NA          |
| AMD Phenom II X4 B05e           | 2781                                 | 1293                   | NA                           | NA          |
| AMD Phenom II X4 B15e           | 2736                                 | 1311                   | NA                           | NA          |
| AMD Phenom II X4 B25            | 3330                                 | 1115                   | NA                           | NA          |
| AMD Phenom II X4 B35            | 3383                                 | 1104                   | NA                           | NA          |
| AMD Phenom II X4 B40            | 3394                                 | 1102                   | NA                           | NA          |
| AMD Phenom II X4 B45            | 3467                                 | 1082                   | NA                           | NA          |
| AMD Phenom II X4 B50            | 3702                                 | 1025                   | NA                           | NA          |
| AMD Phenom II X4 B55            | 3858                                 | 980                    | NA                           | NA          |
| AMD Phenom II X4 B60            | 4044                                 | 943                    | NA                           | NA          |
| AMD Phenom II X4 B65            | 4177                                 | 922                    | NA                           | NA          |
| AMD Phenom II X4 B70            | 4261                                 | 909                    | NA                           | NA          |
| AMD Phenom II X4 B93            | 3355                                 | 1110                   | NA                           | NA          |
| AMD Phenom II X4 B95            | 3702                                 | 1026                   | 50.75                        | \$72.95*    |
| AMD Phenom II X4 B97            | 3886                                 | 977                    | 68.20                        | \$56.99     |
| AMD Phenom II X4 B99            | 4130                                 | 934                    | NA                           | NA          |
| AMD Phenom II X6 1035T          | 4664                                 | 823                    | 24.68                        | \$189.00*   |
| AMD Phenom II X6 1045T          | 4817                                 | 800                    | 27.53                        | \$175.00*   |
| AMD Phenom II X6 1055T          | 4964                                 | 773                    | 26.84                        | \$185.00*   |
| AMD Phenom II X6 1065T          | 5064                                 | 751                    | NA                           | NA          |
| AMD Phenom II X6 1075T          | 5343                                 | 709                    | 47.29                        | \$112.99    |
| AMD Phenom II X6 1090T          | 5586                                 | 673                    | 14.10                        | \$396.08*   |
| AMD Phenom II X6 1100T          | 5731                                 | 652                    | 32.29                        | \$177.49    |
| AMD Phenom II X6 1405T          | 5042                                 | 758                    | NA                           | NA          |
| AMD Phenom II X620 Dual-Core    | 2189                                 | 1513                   | NA                           | NA          |
| AMD Phenom II X640 Dual-Core    | 2021                                 | 1577                   | NA                           | NA          |
| AMD Phenom II X920 Quad-Core    | 2640                                 | 1339                   | NA                           | NA          |
| AMD Phenom II X940 Quad-Core    | 2695                                 | 1322                   | NA                           | NA          |
| AMD Phenom Ultra X4 24500       | 3945                                 | 967                    | NA                           | NA          |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Phenom X2 Dual-Core GE-4060 | 1697                                 | 1736                   | NA                           | NA          |
| AMD Phenom X2 Dual-Core GE-5560 | 2206                                 | 1504                   | NA                           | NA          |
| AMD Phenom X2 Dual-Core GE-7060 | 1752                                 | 1701                   | NA                           | NA          |
| AMD Phenom X2 Dual-Core GP-5000 | 1180                                 | 2000                   | NA                           | NA          |
| AMD Phenom X2 Dual-Core GP-7730 | 1435                                 | 1862                   | NA                           | NA          |
| AMD Phenom X3 8550              | 1923                                 | 1618                   | 11.32                        | \$169.95*   |
| AMD Phenom X4 Quad-Core GP-9500 | 1757                                 | 1698                   | NA                           | NA          |
| AMD Phenom X4 Quad-Core GP-9530 | 1994                                 | 1587                   | NA                           | NA          |
| AMD Phenom X4 Quad-Core GP-9600 | 2235                                 | 1495                   | NA                           | NA          |
| AMD Phenom X4 Quad-Core GP-9730 | 2812                                 | 1283                   | NA                           | NA          |
| AMD Phenom X4 Quad-Core GP-9830 | 2715                                 | 1317                   | NA                           | NA          |
| AMD Phenom X4 Quad-Core GP-9930 | 2690                                 | 1323                   | NA                           | NA          |
| AMD Phenom X4 Quad-Core GS-5560 | 1211                                 | 1986                   | NA                           | NA          |
| AMD PRO A4-3350B APU            | 2518                                 | 1382                   | NA                           | NA          |
| AMD PRO A4-8350B                | 2791                                 | 1290                   | NA                           | NA          |
| AMD PRO A6-7350B                | 2759                                 | 1303                   | NA                           | NA          |
| AMD PRO A6-8500B                | 2516                                 | 1384                   | NA                           | NA          |
| AMD PRO A6-8530B                | 2388                                 | 1429                   | NA                           | NA          |
| AMD PRO A6-8550B                | 2985                                 | 1224                   | NA                           | NA          |
| AMD PRO A6-8570                 | 3049                                 | 1201                   | NA                           | NA          |

| CPU Name               | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD PRO A6-8570E       | 2824                                 | 1276                   | NA                           | NA          |
| AMD PRO A6-9500        | 3239                                 | 1140                   | 43.77                        | \$74.00*    |
| AMD PRO A6-9500B       | 2076                                 | 1559                   | NA                           | NA          |
| AMD PRO A6-9500E       | 2761                                 | 1302                   | 37.31                        | \$74.00*    |
| AMD PRO A8-8600B       | 3553                                 | 1058                   | NA                           | NA          |
| AMD PRO A8-8650B       | 5426                                 | 695                    | NA                           | NA          |
| AMD PRO A8-8670E       | 5015                                 | 762                    | NA                           | NA          |
| AMD PRO A8-9600        | 5296                                 | 717                    | 44.51                        | \$119.00*   |
| AMD PRO A8-9600B       | 4004                                 | 954                    | NA                           | NA          |
| AMD PRO A10-8700B      | 3583                                 | 1051                   | NA                           | NA          |
| AMD PRO A10-8730B      | 3985                                 | 958                    | NA                           | NA          |
| AMD PRO A10-8750B      | 5646                                 | 666                    | NA                           | NA          |
| AMD PRO A10-8770       | 5707                                 | 654                    | NA                           | NA          |
| AMD PRO A10-8770E      | 5045                                 | 756                    | NA                           | NA          |
| AMD PRO A10-8850B      | 5852                                 | 638                    | NA                           | NA          |
| AMD PRO A10-9700       | 5677                                 | 660                    | 33.59                        | \$169.00*   |
| AMD PRO A10-9700B      | 4393                                 | 879                    | NA                           | NA          |
| AMD PRO A10-9700E      | 4922                                 | 784                    | 35.42                        | \$139.00*   |
| AMD PRO A12-8800B      | 4154                                 | 928                    | NA                           | NA          |
| AMD PRO A12-8830B      | 4377                                 | 883                    | NA                           | NA          |
| AMD PRO A12-8870       | 6067                                 | 617                    | NA                           | NA          |
| AMD PRO A12-8870E      | 5186                                 | 729                    | NA                           | NA          |
| AMD PRO A12-9800       | 6199                                 | 601                    | 36.68                        | \$169.00*   |
| AMD PRO A12-9800B      | 4158                                 | 927                    | NA                           | NA          |
| AMD PRO A12-9800E      | 4793                                 | 806                    | 28.36                        | \$169.00*   |
| AMD QC-4000            | 1663                                 | 1758                   | NA                           | NA          |
| AMD R-260H APU         | 1576                                 | 1805                   | NA                           | NA          |
| AMD R-460L APU         | 1954                                 | 1604                   | NA                           | NA          |
| AMD R-464L APU         | 3117                                 | 1180                   | NA                           | NA          |
| CPU Name               | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD RX-427BB           | 4317                                 | 898                    | NA                           | NA          |
| AMD Ryzen 3 1200       | 6756                                 | 552                    | 56.79                        | \$118.98    |
| AMD Ryzen 3 1300X      | 7462                                 | 484                    | 54.16                        | \$137.79    |
| AMD Ryzen 3 2200G      | 7423                                 | 489                    | 78.15                        | \$95.00     |
| AMD Ryzen 3 2200GE     | 7124                                 | 516                    | NA                           | NA          |
| AMD Ryzen 3 2200U      | 4629                                 | 830                    | NA                           | NA          |
| AMD Ryzen 3 2300U      | 5704                                 | 656                    | NA                           | NA          |
| AMD Ryzen 3 PRO 1200   | 7069                                 | 524                    | NA                           | NA          |
| AMD Ryzen 3 PRO 1300   | 7999                                 | 436                    | NA                           | NA          |
| AMD Ryzen 3 PRO 2200G  | 8106                                 | 424                    | NA                           | NA          |
| AMD Ryzen 3 PRO 2200GE | 7975                                 | 439                    | NA                           | NA          |
| AMD Ryzen 3 PRO 2300U  | 7188                                 | 511                    | NA                           | NA          |
| AMD Ryzen 5 1400       | 8380                                 | 401                    | 62.08                        | \$134.99    |
| AMD Ryzen 5 1500X      | 10067                                | 266                    | 64.54                        | \$155.99    |
| AMD Ryzen 5 1600       | 12265                                | 184                    | 81.77                        | \$149.99    |
| AMD Ryzen 5 1600X      | 13229                                | 163                    | 73.05                        | \$181.11    |
| AMD Ryzen 5 2400G      | 9287                                 | 333                    | 58.05                        | \$159.99    |
| AMD Ryzen 5 2400GE     | 7574                                 | 476                    | NA                           | NA          |
| AMD Ryzen 5 2500U      | 7344                                 | 497                    | NA                           | NA          |
| AMD Ryzen 5 2600       | 13518                                | 157                    | 84.50                        | \$159.99    |

| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Ryzen 5 2600X             | 14356                                | 133                    | 60.07                        | \$239.00    |
| AMD Ryzen 5 PRO 1500          | 10123                                | 260                    | NA                           | NA          |
| AMD Ryzen 5 PRO 1600          | 12213                                | 186                    | NA                           | NA          |
| AMD Ryzen 5 PRO 2400G         | 10046                                | 270                    | NA                           | NA          |
| AMD Ryzen 5 PRO 2400GE        | 9566                                 | 307                    | NA                           | NA          |
| AMD Ryzen 5 PRO 2500U         | 8975                                 | 360                    | NA                           | NA          |
| AMD Ryzen 5 PRO 2600          | 14645                                | 123                    | NA                           | NA          |
| AMD Ryzen 7 1700              | 13742                                | 148                    | 63.62                        | \$216.00    |
| AMD Ryzen 7 1700X             | 14666                                | 122                    | 75.62                        | \$193.95    |
| AMD Ryzen 7 1800X             | 15396                                | 107                    | 55.81                        | \$275.88    |
| AMD Ryzen 7 2700              | 14993                                | 116                    | 59.97                        | \$249.99    |
| AMD Ryzen 7 2700U             | 7421                                 | 491                    | NA                           | NA          |
| AMD Ryzen 7 2700X             | 16971                                | 73                     | 51.43                        | \$329.99    |
| AMD Ryzen 7 PRO 1700          | 14708                                | 119                    | NA                           | NA          |
| AMD Ryzen 7 PRO 1700X         | 15349                                | 108                    | NA                           | NA          |
| AMD Ryzen 7 PRO 2700          | 15897                                | 98                     | NA                           | NA          |
| AMD Ryzen 7 PRO 2700U         | 9025                                 | 356                    | NA                           | NA          |
| AMD Ryzen 7 PRO 2700X         | 17272                                | 68                     | NA                           | NA          |
| AMD Ryzen Embedded V1202B     | 5051                                 | 754                    | NA                           | NA          |
| AMD Ryzen Embedded V1605B     | 7667                                 | 468                    | NA                           | NA          |
| AMD Ryzen Embedded V1807B     | 7185                                 | 512                    | NA                           | NA          |
| AMD Ryzen Threadripper 1900X  | 15862                                | 100                    | 50.14                        | \$316.38    |
| AMD Ryzen Threadripper 1920X  | 18863                                | 51                     | 47.16                        | \$399.99    |
| AMD Ryzen Threadripper 1950X  | 22051                                | 21                     | 49.00                        | \$449.99    |
| AMD Ryzen Threadripper 2920X  | 20604                                | 35                     | 31.70                        | \$649.99    |
| AMD Ryzen Threadripper 2950X  | 26131                                | 7                      | 29.04                        | \$899.99    |
| AMD Ryzen Threadripper 2970WX | 17210                                | 69                     | 13.24                        | \$1,299.99  |
| AMD Ryzen Threadripper 2990WX | 24338                                | 14                     | 14.32                        | \$1,699.99  |
| AMD Ryzen Threadripper 2990X  | 14324                                | 134                    | NA                           | NA          |
| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Sempron 130               | 656                                  | 2290                   | 26.29                        | \$24.99*    |
| AMD Sempron 140               | 733                                  | 2249                   | 18.54                        | \$39.59*    |
| AMD Sempron 145               | 807                                  | 2222                   | 47.54                        | \$16.98     |
| AMD Sempron 150               | 707                                  | 2265                   | 15.74                        | \$44.95     |
| AMD Sempron 200U              | 267                                  | 2654                   | 3.08                         | \$87.00*    |
| AMD Sempron 210U              | 391                                  | 2498                   | NA                           | NA          |
| AMD Sempron 240               | 2110                                 | 1543                   | 36.39                        | \$58.00     |
| AMD Sempron 2100+             | 392                                  | 2496                   | NA                           | NA          |
| AMD Sempron 2200+             | 281                                  | 2638                   | 9.38                         | \$29.99*    |
| AMD Sempron 2300+             | 318                                  | 2574                   | 7.07                         | \$45.00*    |
| AMD Sempron 2400+             | 313                                  | 2582                   | 11.62                        | \$27.00*    |
| AMD Sempron 2500+             | 335                                  | 2557                   | 4.20                         | \$79.95*    |
| AMD Sempron 2600+             | 373                                  | 2514                   | 10.70                        | \$34.95     |
| AMD Sempron 2650 APU          | 939                                  | 2151                   | 23.50                        | \$40.00     |
| AMD Sempron 2800+             | 383                                  | 2503                   | 19.19                        | \$19.99     |
| AMD Sempron 3000+             | 409                                  | 2469                   | 8.19                         | \$49.95     |
| AMD Sempron 3100+             | 452                                  | 2424                   | 7.53                         | \$60.00*    |
| AMD Sempron 3200+             | 406                                  | 2472                   | 31.29                        | \$13.00*    |
| AMD Sempron 3300+             | 484                                  | 2396                   | 8.07                         | \$60.00     |
| AMD Sempron 3400+             | 454                                  | 2423                   | 15.18                        | \$29.91*    |

| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Sempron 3500+             | 384                                  | 2502                   | 19.23                        | \$20.00*    |
| AMD Sempron 3600+             | 487                                  | 2388                   | 40.59                        | \$12.00*    |
| AMD Sempron 3800+             | 554                                  | 2341                   | 26.39                        | \$21.00*    |
| AMD Sempron 3850 APU          | 1710                                 | 1723                   | 50.33                        | \$33.99     |
| AMD Sempron Dual Core 2100    | 936                                  | 2152                   | 24.02                        | \$39.00*    |
| AMD Sempron Dual Core 2200    | 995                                  | 2112                   | NA                           | NA          |
| AMD Sempron Dual Core 2300    | 982                                  | 2120                   | 23.39                        | \$41.99*    |
| AMD Sempron Dual Core 4700    | 948                                  | 2144                   | NA                           | NA          |
| AMD Sempron Dual Core 4900    | 1081                                 | 2061                   | NA                           | NA          |
| AMD Sempron LE-250            | 490                                  | 2382                   | NA                           | NA          |
| AMD Sempron LE-1100           | 438                                  | 2442                   | NA                           | NA          |
| AMD Sempron LE-1150           | 445                                  | 2431                   | NA                           | NA          |
| AMD Sempron LE-1200           | 528                                  | 2355                   | NA                           | NA          |
| AMD Sempron LE-1250           | 541                                  | 2347                   | 5.41                         | \$99.95*    |
| AMD Sempron LE-1300           | 605                                  | 2312                   | 30.28                        | \$20.00     |
| AMD Sempron LE-1600           | 535                                  | 2352                   | NA                           | NA          |
| AMD Sempron LE-1620           | 635                                  | 2300                   | NA                           | NA          |
| AMD Sempron LE-1640           | 759                                  | 2241                   | NA                           | NA          |
| AMD Sempron M100              | 558                                  | 2340                   | 46.58                        | \$12.00*    |
| AMD Sempron M120              | 582                                  | 2324                   | NA                           | NA          |
| AMD Sempron SI-40             | 443                                  | 2434                   | 36.93                        | \$12.00*    |
| AMD Sempron SI-42             | 454                                  | 2421                   | 15.16                        | \$30.01     |
| AMD Sempron X2 180            | 1222                                 | 1979                   | 17.62                        | \$69.40*    |
| AMD Sempron X2 190            | 1509                                 | 1833                   | 18.09                        | \$83.44*    |
| AMD Sempron X2 198 Dual-Core  | 1413                                 | 1871                   | NA                           | NA          |
| AMD Turion 64 Mobile MK-36    | 465                                  | 2410                   | NA                           | NA          |
| AMD Turion 64 Mobile MK-38    | 513                                  | 2366                   | NA                           | NA          |
| AMD Turion 64 Mobile ML-28    | 390                                  | 2499                   | NA                           | NA          |
| AMD Turion 64 Mobile ML-30    | 402                                  | 2480                   | NA                           | NA          |
| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Turion 64 Mobile ML-32    | 408                                  | 2470                   | NA                           | NA          |
| AMD Turion 64 Mobile ML-34    | 425                                  | 2458                   | NA                           | NA          |
| AMD Turion 64 Mobile ML-37    | 442                                  | 2435                   | 2.25                         | \$196.50*   |
| AMD Turion 64 Mobile ML-40    | 522                                  | 2360                   | NA                           | NA          |
| AMD Turion 64 Mobile ML-42    | 615                                  | 2308                   | NA                           | NA          |
| AMD Turion 64 Mobile ML-44    | 591                                  | 2319                   | NA                           | NA          |
| AMD Turion 64 Mobile MT-28    | 419                                  | 2459                   | NA                           | NA          |
| AMD Turion 64 Mobile MT-30    | 378                                  | 2506                   | NA                           | NA          |
| AMD Turion 64 Mobile MT-32    | 426                                  | 2457                   | NA                           | NA          |
| AMD Turion 64 Mobile MT-34    | 429                                  | 2454                   | NA                           | NA          |
| AMD Turion 64 Mobile MT-37    | 484                                  | 2395                   | NA                           | NA          |
| AMD Turion 64 Mobile MT-40    | 536                                  | 2350                   | NA                           | NA          |
| AMD Turion 64 X2 Mobile TL-50 | 747                                  | 2246                   | 14.95                        | \$49.99*    |
| AMD Turion 64 X2 Mobile TL-52 | 765                                  | 2236                   | NA                           | NA          |
| AMD Turion 64 X2 Mobile TL-56 | 887                                  | 2182                   | 44.36                        | \$20.00*    |
| AMD Turion 64 X2 Mobile TL-58 | 944                                  | 2147                   | NA                           | NA          |
| AMD Turion 64 X2 Mobile TL-60 | 993                                  | 2116                   | 41.49                        | \$23.95*    |
| AMD Turion 64 X2 Mobile TL-62 | 1087                                 | 2054                   | 3.50                         | \$311.00*   |
| AMD Turion 64 X2 Mobile TL-64 | 1110                                 | 2037                   | 28.20                        | \$39.39*    |
| AMD Turion 64 X2 Mobile TL-66 | 1141                                 | 2027                   | 3.02                         | \$378.00*   |

| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------|-------------|
| AMD Turion 64 X2 Mobile TL-68              | 1162                                 | 2012                   | 12.92                        | \$90.00*    |
| AMD Turion Dual-Core RM-70                 | 904                                  | 2176                   | 36.16                        | \$25.00*    |
| AMD Turion Dual-Core RM-72                 | 860                                  | 2191                   | 22.65                        | \$38.00*    |
| AMD Turion Dual-Core RM-74                 | 1016                                 | 2096                   | NA                           | NA          |
| AMD Turion Dual-Core RM-75                 | 977                                  | 2123                   | 35.61                        | \$27.46*    |
| AMD Turion II Dual-Core Mobile M500        | 1293                                 | 1934                   | NA                           | NA          |
| AMD Turion II Dual-Core Mobile M520        | 1305                                 | 1926                   | 18.89                        | \$69.10*    |
| AMD Turion II Dual-Core Mobile M540        | 1338                                 | 1911                   | NA                           | NA          |
| AMD Turion II N530 Dual-Core               | 1583                                 | 1802                   | 52.78                        | \$30.00*    |
| AMD Turion II N550 Dual-Core               | 1521                                 | 1821                   | NA                           | NA          |
| AMD Turion II Neo K625 Dual-Core           | 973                                  | 2124                   | NA                           | NA          |
| AMD Turion II Neo K685 Dual-Core           | 1186                                 | 1997                   | NA                           | NA          |
| AMD Turion II Neo N40L Dual-Core           | 924                                  | 2163                   | NA                           | NA          |
| AMD Turion II Neo N54L Dual-Core           | 1376                                 | 1890                   | NA                           | NA          |
| AMD Turion II P520 Dual-Core               | 1357                                 | 1901                   | NA                           | NA          |
| AMD Turion II P540 Dual-Core               | 1427                                 | 1864                   | 28.58                        | \$49.95*    |
| AMD Turion II P560 Dual-Core               | 1513                                 | 1832                   | NA                           | NA          |
| AMD Turion II Ultra Dual-Core Mobile M600  | 1409                                 | 1873                   | 79.15                        | \$17.81*    |
| AMD Turion II Ultra Dual-Core Mobile M620  | 1427                                 | 1865                   | NA                           | NA          |
| AMD Turion II Ultra Dual-Core Mobile M640  | 1669                                 | 1754                   | NA                           | NA          |
| AMD Turion II Ultra Dual-Core Mobile M660  | 1533                                 | 1818                   | NA                           | NA          |
| AMD Turion Neo X2 Dual Core L625           | 819                                  | 2213                   | NA                           | NA          |
| AMD Turion X2 Dual Core L510               | 923                                  | 2165                   | NA                           | NA          |
| AMD Turion X2 Dual Core Mobile RM-70       | 858                                  | 2195                   | 6.48                         | \$132.56*   |
| AMD Turion X2 Dual Core Mobile RM-76       | 1059                                 | 2071                   | NA                           | NA          |
| AMD Turion X2 Dual-Core Mobile RM-70       | 997                                  | 2109                   | NA                           | NA          |
| AMD Turion X2 Dual-Core Mobile RM-72       | 1085                                 | 2056                   | 4.84                         | \$224.26*   |
| AMD Turion X2 Dual-Core Mobile RM-74       | 1062                                 | 2069                   | 42.57                        | \$24.95*    |
| AMD Turion X2 Dual-Core Mobile RM-75       | 1137                                 | 2029                   | NA                           | NA          |
| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| AMD Turion X2 Dual-Core Mobile RM-77       | 1149                                 | 2019                   | NA                           | NA          |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-80 | 1014                                 | 2098                   | 72.45                        | \$14.00*    |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-82 | 1084                                 | 2058                   | NA                           | NA          |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-84 | 1213                                 | 1985                   | 94.53                        | \$12.84     |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-85 | 1234                                 | 1975                   | 27.43                        | \$45.00*    |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-86 | 1297                                 | 1933                   | 23.58                        | \$55.00*    |
| AMD Turion X2 Ultra Dual-Core Mobile ZM-87 | 1267                                 | 1957                   | 31.72                        | \$39.95*    |
| AMD TurionX2 Dual Core Mobile RM-70        | 997                                  | 2108                   | NA                           | NA          |
| AMD TurionX2 Dual Core Mobile RM-72        | 1026                                 | 2087                   | NA                           | NA          |
| AMD TurionX2 Ultra DualCore Mobile ZM-85   | 1454                                 | 1855                   | NA                           | NA          |
| AMD V105                                   | 299                                  | 2602                   | NA                           | NA          |
| AMD V120                                   | 623                                  | 2305                   | NA                           | NA          |
| AMD V140                                   | 641                                  | 2297                   | 12.84                        | \$49.95*    |
| AMD V160                                   | 681                                  | 2280                   | NA                           | NA          |
| AMD Z-01                                   | 523                                  | 2359                   | NA                           | NA          |
| AMD Z-60 APU                               | 500                                  | 2377                   | NA                           | NA          |
| AMD-K6 3D                                  | 90                                   | 2779                   | NA                           | NA          |
| AMD-K6-III                                 | 108                                  | 2776                   | NA                           | NA          |
| AMD-K7                                     | 403                                  | 2479                   | NA                           | NA          |
| Athlon 64 Dual Core 3800+                  | 1234                                 | 1976                   | NA                           | NA          |



| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-----------------------------------|---|---------------------------|---------------------------------|----------------|
| Athlon 64 Dual Core 4200+         | 1156                                    | 2017                      | 5.64                            | \$204.95*      |
| Athlon 64 Dual Core 4800+         | 1370                                    | 1892                      | NA                              | NA             |
| Athlon 64 Dual Core 5000+         | 1507                                    | 1834                      | NA                              | NA             |
| Athlon 64 Dual Core 5400+         | 1614                                    | 1784                      | NA                              | NA             |
| Athlon 64 Dual Core 5600+         | 1548                                    | 1813                      | NA                              | NA             |
| Athlon Dual Core 4050e            | 968                                     | 2129                      | NA                              | NA             |
| Athlon Dual Core 4450e            | 1081                                    | 2062                      | NA                              | NA             |
| Athlon Dual Core 4850e            | 1327                                    | 1916                      | NA                              | NA             |
| Celeron Dual-Core Q8300 @ 2.50GHz | 2837                                    | 1271                      | NA                              | NA             |
| Celeron Dual-Core T3000 @ 1.80GHz | 1084                                    | 2057                      | NA                              | NA             |
| Celeron Dual-Core T3100 @ 1.90GHz | 1168                                    | 2008                      | NA                              | NA             |
| Celeron Dual-Core T3300 @ 2.00GHz | 1200                                    | 1991                      | NA                              | NA             |
| Celeron Dual-Core T3500 @ 2.10GHz | 1275                                    | 1949                      | NA                              | NA             |
| Dual-Core AMD Opteron 1220 SE     | 1206                                    | 1988                      | NA                              | NA             |
| HP Hexa-Core 2.0GHz               | 2178                                    | 1516                      | 4.32                            | \$504.27*      |
| Intel 1300 @ 1.66GHz              | 857                                     | 2196                      | NA                              | NA             |
| Intel 1400 @ 1.83GHz              | 980                                     | 2122                      | NA                              | NA             |
| Intel 1500 @ 2.00GHz              | 1024                                    | 2090                      | NA                              | NA             |
| Intel Atom 230 @ 1.60GHz          | 307                                     | 2588                      | NA                              | NA             |
| Intel Atom 330 @ 1.60GHz          | 587                                     | 2322                      | NA                              | NA             |
| Intel Atom C2338 @ 1.74GHz        | 898                                     | 2180                      | NA                              | NA             |
| Intel Atom C2358 @ 1.74GHz        | 961                                     | 2136                      | NA                              | NA             |
| Intel Atom C2538 @ 2.40GHz        | 2085                                    | 1554                      | 20.05                           | \$104.00*      |
| Intel Atom C2550 @ 2.40GHz        | 2329                                    | 1450                      | NA                              | NA             |
| Intel Atom C2558 @ 2.40GHz        | 2169                                    | 1517                      | 15.95                           | \$136.00*      |
| Intel Atom C2750 @ 2.40GHz        | 3806                                    | 995                       | 16.41                           | \$232.00*      |
| Intel Atom C2750 @ 2.41GHz        | 3344                                    | 1113                      | NA                              | NA             |
| Intel Atom C2758 @ 2.40GHz        | 3162                                    | 1164                      | 14.72                           | \$214.86*      |
| Intel Atom C3538 @ 2.10GHz        | 2455                                    | 1405                      | 32.73                           | \$75.00*       |
| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Atom C3558 @ 2.20GHz        | 2538                                    | 1374                      | 29.52                           | \$86.00*       |
| Intel Atom C3858 @ 2.00GHz        | 4852                                    | 796                       | 14.62                           | \$332.00*      |
| Intel Atom D410 @ 1.66GHz         | 301                                     | 2598                      | 0.47                            | \$635.99*      |
| Intel Atom D425 @ 1.80GHz         | 345                                     | 2550                      | 0.35                            | \$992.98*      |
| Intel Atom D510 @ 1.66GHz         | 657                                     | 2289                      | 6.76                            | \$97.16*       |
| Intel Atom D525 @ 1.80GHz         | 703                                     | 2268                      | NA                              | NA             |
| Intel Atom D2500 @ 1.86GHz        | 404                                     | 2477                      | NA                              | NA             |
| Intel Atom D2550 @ 1.86GHz        | 678                                     | 2281                      | NA                              | NA             |
| Intel Atom D2560 @ 2.00GHz        | 711                                     | 2261                      | NA                              | NA             |
| Intel Atom D2700 @ 2.13GHz        | 842                                     | 2202                      | NA                              | NA             |
| Intel Atom D2701 @ 2.13GHz        | 720                                     | 2257                      | NA                              | NA             |
| Intel Atom E660 @ 1.30GHz         | 271                                     | 2650                      | 5.03                            | \$54.00*       |
| Intel Atom E680 @ 1.60GHz         | 346                                     | 2547                      | NA                              | NA             |
| Intel Atom E3815 @ 1.46GHz        | 331                                     | 2563                      | 2.22                            | \$149.00       |
| Intel Atom E3825 @ 1.33GHz        | 579                                     | 2328                      | 8.24                            | \$70.32*       |
| Intel Atom E3826 @ 1.46GHz        | 489                                     | 2384                      | NA                              | NA             |
| Intel Atom E3827 @ 1.74GHz        | 849                                     | 2199                      | NA                              | NA             |
| Intel Atom E3840 @ 1.91GHz        | 1162                                    | 2013                      | NA                              | NA             |
| Intel Atom E3845 @ 1.91GHz        | 1499                                    | 1838                      | NA                              | NA             |
| Intel Atom E3940 @ 1.60GHz        | 1889                                    | 1643                      | NA                              | NA             |

| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Atom E3950 @ 1.60GHz    | 1827                                 | 1672                   | NA                           | NA          |
| Intel Atom K510 @ 1.66GHz     | 658                                  | 2287                   | NA                           | NA          |
| Intel Atom N270 @ 1.60GHz     | 268                                  | 2653                   | NA                           | NA          |
| Intel Atom N280 @ 1.66GHz     | 283                                  | 2631                   | NA                           | NA          |
| Intel Atom N435 @ 1.33GHz     | 261                                  | 2661                   | NA                           | NA          |
| Intel Atom N450 @ 1.66GHz     | 296                                  | 2608                   | NA                           | NA          |
| Intel Atom N455 @ 1.66GHz     | 284                                  | 2627                   | NA                           | NA          |
| Intel Atom N470 @ 1.83GHz     | 307                                  | 2587                   | NA                           | NA          |
| Intel Atom N475 @ 1.83GHz     | 314                                  | 2579                   | NA                           | NA          |
| Intel Atom N550 @ 1.50GHz     | 525                                  | 2358                   | 6.11                         | \$86.00*    |
| Intel Atom N570 @ 1.66GHz     | 574                                  | 2332                   | 6.68                         | \$86.00*    |
| Intel Atom N2100 @ 1.60GHz    | 305                                  | 2591                   | NA                           | NA          |
| Intel Atom N2600 @ 1.60GHz    | 525                                  | 2356                   | NA                           | NA          |
| Intel Atom N2800 @ 1.86GHz    | 628                                  | 2302                   | NA                           | NA          |
| Intel Atom S1260 @ 2.00GHz    | 916                                  | 2169                   | 14.32                        | \$64.00*    |
| Intel Atom T5700 @ 1.70GHz    | 2039                                 | 1569                   | NA                           | NA          |
| Intel Atom x5-E3930 @ 1.30GHz | 811                                  | 2220                   | NA                           | NA          |
| Intel Atom x5-E8000 @ 1.04GHz | 1623                                 | 1779                   | NA                           | NA          |
| Intel Atom x5-Z8300 @ 1.44GHz | 1196                                 | 1992                   | 9.00                         | \$132.99*   |
| Intel Atom x5-Z8330 @ 1.44GHz | 1017                                 | 2095                   | NA                           | NA          |
| Intel Atom x5-Z8350 @ 1.44GHz | 1267                                 | 1956                   | 60.34                        | \$21.00*    |
| Intel Atom x5-Z8500 @ 1.44GHz | 1695                                 | 1738                   | 27.09                        | \$62.57*    |
| Intel Atom x5-Z8550 @ 1.44GHz | 1841                                 | 1665                   | NA                           | NA          |
| Intel Atom x7-Z8700 @ 1.60GHz | 1899                                 | 1633                   | 25.80                        | \$73.63*    |
| Intel Atom x7-Z8750 @ 1.60GHz | 1901                                 | 1628                   | NA                           | NA          |
| Intel Atom Z510 @ 1.10GHz     | 194                                  | 2730                   | 4.33                         | \$45.00*    |
| Intel Atom Z515 @ 1.20GHz     | 218                                  | 2706                   | NA                           | NA          |
| Intel Atom Z520 @ 1.33GHz     | 215                                  | 2709                   | NA                           | NA          |
| Intel Atom Z530 @ 1.60GHz     | 281                                  | 2637                   | NA                           | NA          |
| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Atom Z540 @ 1.86GHz     | 348                                  | 2544                   | NA                           | NA          |
| Intel Atom Z550 @ 2.00GHz     | 381                                  | 2504                   | NA                           | NA          |
| Intel Atom Z670 @ 1.50GHz     | 243                                  | 2685                   | NA                           | NA          |
| Intel Atom Z2760 @ 1.80GHz    | 565                                  | 2337                   | NA                           | NA          |
| Intel Atom Z3735D @ 1.33GHz   | 914                                  | 2170                   | NA                           | NA          |
| Intel Atom Z3735E @ 1.33GHz   | 927                                  | 2159                   | 7.93                         | \$117.00*   |
| Intel Atom Z3735F @ 1.33GHz   | 908                                  | 2175                   | 5.01                         | \$181.30*   |
| Intel Atom Z3735G @ 1.33GHz   | 909                                  | 2173                   | NA                           | NA          |
| Intel Atom Z3736F @ 1.33GHz   | 922                                  | 2166                   | NA                           | NA          |
| Intel Atom Z3740 @ 1.33GHz    | 1062                                 | 2070                   | NA                           | NA          |
| Intel Atom Z3740D @ 1.33GHz   | 1023                                 | 2092                   | NA                           | NA          |
| Intel Atom Z3745 @ 1.33GHz    | 1071                                 | 2066                   | NA                           | NA          |
| Intel Atom Z3745D @ 1.33GHz   | 1034                                 | 2083                   | NA                           | NA          |
| Intel Atom Z3770 @ 1.46GHz    | 1243                                 | 1972                   | 8.32                         | \$149.44*   |
| Intel Atom Z3770D @ 1.49GHz   | 805                                  | 2223                   | NA                           | NA          |
| Intel Atom Z3775 @ 1.46GHz    | 1256                                 | 1960                   | 35.90                        | \$35.00*    |
| Intel Atom Z3775D @ 1.49GHz   | 1278                                 | 1948                   | NA                           | NA          |
| Intel Atom Z3795 @ 1.60GHz    | 1771                                 | 1693                   | NA                           | NA          |
| Intel Celeron 1.70GHz         | 130                                  | 2769                   | NA                           | NA          |
| Intel Celeron 1.80GHz         | 136                                  | 2766                   | NA                           | NA          |

| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Celeron 2.00GHz         | 185                                  | 2738                   | NA                           | NA          |
| Intel Celeron 2.10GHz         | 244                                  | 2683                   | NA                           | NA          |
| Intel Celeron 2.13GHz         | 208                                  | 2717                   | NA                           | NA          |
| Intel Celeron 2.20GHz         | 213                                  | 2712                   | NA                           | NA          |
| Intel Celeron 2.26GHz         | 223                                  | 2701                   | NA                           | NA          |
| Intel Celeron 2.30GHz         | 227                                  | 2698                   | NA                           | NA          |
| Intel Celeron 2.40GHz         | 217                                  | 2707                   | NA                           | NA          |
| Intel Celeron 2.50GHz         | 247                                  | 2677                   | NA                           | NA          |
| Intel Celeron 2.53GHz         | 245                                  | 2681                   | NA                           | NA          |
| Intel Celeron 2.60GHz         | 238                                  | 2688                   | NA                           | NA          |
| Intel Celeron 2.66GHz         | 250                                  | 2673                   | NA                           | NA          |
| Intel Celeron 2.70GHz         | 245                                  | 2682                   | NA                           | NA          |
| Intel Celeron 2.80GHz         | 254                                  | 2667                   | NA                           | NA          |
| Intel Celeron 2.93GHz         | 283                                  | 2630                   | NA                           | NA          |
| Intel Celeron 3.06GHz         | 284                                  | 2626                   | NA                           | NA          |
| Intel Celeron 3.20GHz         | 288                                  | 2619                   | NA                           | NA          |
| Intel Celeron 3.33GHz         | 333                                  | 2560                   | NA                           | NA          |
| Intel Celeron 215 @ 1.33GHz   | 322                                  | 2569                   | NA                           | NA          |
| Intel Celeron 220 @ 1.20GHz   | 320                                  | 2572                   | NA                           | NA          |
| Intel Celeron 420 @ 1.60GHz   | 449                                  | 2427                   | 11.25                        | \$39.99     |
| Intel Celeron 430 @ 1.80GHz   | 490                                  | 2383                   | 16.35                        | \$29.99     |
| Intel Celeron 440 @ 2.00GHz   | 546                                  | 2342                   | 9.11                         | \$59.99     |
| Intel Celeron 450 @ 2.20GHz   | 626                                  | 2304                   | 20.89                        | \$29.99     |
| Intel Celeron 530 @ 1.73GHz   | 468                                  | 2407                   | 20.37                        | \$23.00*    |
| Intel Celeron 540 @ 1.86GHz   | 513                                  | 2365                   | NA                           | NA          |
| Intel Celeron 550 @ 2.00GHz   | 515                                  | 2364                   | 15.26                        | \$33.80     |
| Intel Celeron 560 @ 2.13GHz   | 535                                  | 2351                   | 6.70                         | \$79.95*    |
| Intel Celeron 570 @ 2.26GHz   | 517                                  | 2361                   | NA                           | NA          |
| Intel Celeron 600MHz          | 147                                  | 2762                   | NA                           | NA          |
| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Celeron 723 @ 1.20GHz   | 405                                  | 2475                   | NA                           | NA          |
| Intel Celeron 743 @ 1.30GHz   | 433                                  | 2451                   | NA                           | NA          |
| Intel Celeron 807 @ 1.50GHz   | 751                                  | 2244                   | NA                           | NA          |
| Intel Celeron 807UE @ 1.00GHz | 369                                  | 2520                   | NA                           | NA          |
| Intel Celeron 827E @ 1.40GHz  | 613                                  | 2309                   | NA                           | NA          |
| Intel Celeron 847 @ 1.10GHz   | 936                                  | 2153                   | 2.97                         | \$315.00*   |
| Intel Celeron 847E @ 1.10GHz  | 1026                                 | 2088                   | NA                           | NA          |
| Intel Celeron 857 @ 1.20GHz   | 1146                                 | 2024                   | NA                           | NA          |
| Intel Celeron 867 @ 1.30GHz   | 1173                                 | 2005                   | 39.12                        | \$29.99     |
| Intel Celeron 877 @ 1.40GHz   | 1288                                 | 1940                   | NA                           | NA          |
| Intel Celeron 887 @ 1.50GHz   | 1274                                 | 1950                   | NA                           | NA          |
| Intel Celeron 900 @ 2.20GHz   | 676                                  | 2283                   | 23.35                        | \$28.99     |
| Intel Celeron 925 @ 2.30GHz   | 692                                  | 2273                   | NA                           | NA          |
| Intel Celeron 1000M @ 1.80GHz | 1675                                 | 1750                   | NA                           | NA          |
| Intel Celeron 1000MHz         | 213                                  | 2711                   | NA                           | NA          |
| Intel Celeron 1005M @ 1.90GHz | 1811                                 | 1679                   | NA                           | NA          |
| Intel Celeron 1007U @ 1.50GHz | 1393                                 | 1881                   | 7.53                         | \$184.99*   |
| Intel Celeron 1017U @ 1.60GHz | 1519                                 | 1827                   | NA                           | NA          |
| Intel Celeron 1019Y @ 1.00GHz | 926                                  | 2160                   | NA                           | NA          |
| Intel Celeron 1020E @ 2.20GHz | 2232                                 | 1496                   | NA                           | NA          |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Celeron 1037U @ 1.80GHz  | 1735                                    | 1713                      | NA                              | NA             |
| Intel Celeron 1047UE @ 1.40GHz | 1188                                    | 1996                      | NA                              | NA             |
| Intel Celeron 1066MHz          | 259                                     | 2662                      | NA                              | NA             |
| Intel Celeron 1100MHz          | 174                                     | 2748                      | NA                              | NA             |
| Intel Celeron 1133MHz          | 282                                     | 2632                      | NA                              | NA             |
| Intel Celeron 1200MHz          | 244                                     | 2684                      | NA                              | NA             |
| Intel Celeron 1300MHz          | 288                                     | 2621                      | NA                              | NA             |
| Intel Celeron 1333MHz          | 290                                     | 2615                      | NA                              | NA             |
| Intel Celeron 1400MHz          | 302                                     | 2595                      | NA                              | NA             |
| Intel Celeron 2000E @ 2.20GHz  | 2365                                    | 1441                      | NA                              | NA             |
| Intel Celeron 2002E @ 1.50GHz  | 1605                                    | 1787                      | 18.67                           | \$86.00*       |
| Intel Celeron 2950M @ 2.00GHz  | 1997                                    | 1586                      | NA                              | NA             |
| Intel Celeron 2955U @ 1.40GHz  | 1419                                    | 1867                      | NA                              | NA             |
| Intel Celeron 2957U @ 1.40GHz  | 1441                                    | 1860                      | NA                              | NA             |
| Intel Celeron 2961Y @ 1.10GHz  | 1110                                    | 2038                      | NA                              | NA             |
| Intel Celeron 2970M @ 2.20GHz  | 2312                                    | 1457                      | NA                              | NA             |
| Intel Celeron 2980U @ 1.60GHz  | 1593                                    | 1799                      | NA                              | NA             |
| Intel Celeron 2981U @ 1.60GHz  | 1576                                    | 1806                      | NA                              | NA             |
| Intel Celeron 3205U @ 1.50GHz  | 1520                                    | 1822                      | 5.30                            | \$287.04*      |
| Intel Celeron 3215U @ 1.70GHz  | 1639                                    | 1770                      | NA                              | NA             |
| Intel Celeron 3755U @ 1.70GHz  | 1702                                    | 1732                      | NA                              | NA             |
| Intel Celeron 3765U @ 1.90GHz  | 1990                                    | 1590                      | NA                              | NA             |
| Intel Celeron 3855U @ 1.60GHz  | 1657                                    | 1764                      | NA                              | NA             |
| Intel Celeron 3865U @ 1.80GHz  | 1936                                    | 1611                      | NA                              | NA             |
| Intel Celeron 3955U @ 2.00GHz  | 1862                                    | 1654                      | NA                              | NA             |
| Intel Celeron 3965U @ 2.20GHz  | 2411                                    | 1420                      | 22.54                           | \$107.00*      |
| Intel Celeron 3965Y @ 1.50GHz  | 1619                                    | 1780                      | 15.14                           | \$107.00*      |
| Intel Celeron @ 1.30GHz        | 965                                     | 2131                      | NA                              | NA             |
| Intel Celeron B710 @ 1.60GHz   | 186                                     | 2736                      | NA                              | NA             |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Celeron B720 @ 1.70GHz   | 814                                     | 2218                      | NA                              | NA             |
| Intel Celeron B800 @ 1.50GHz   | 1279                                    | 1947                      | NA                              | NA             |
| Intel Celeron B810 @ 1.60GHz   | 1411                                    | 1872                      | NA                              | NA             |
| Intel Celeron B815 @ 1.60GHz   | 1366                                    | 1894                      | NA                              | NA             |
| Intel Celeron B820 @ 1.70GHz   | 1428                                    | 1863                      | 36.35                           | \$39.29*       |
| Intel Celeron B830 @ 1.80GHz   | 1520                                    | 1824                      | NA                              | NA             |
| Intel Celeron B840 @ 1.90GHz   | 1719                                    | 1717                      | NA                              | NA             |
| Intel Celeron D 347 @ 3.06GHz  | 270                                     | 2652                      | NA                              | NA             |
| Intel Celeron D 352 @ 3.20GHz  | 302                                     | 2596                      | NA                              | NA             |
| Intel Celeron D 356 @ 3.33GHz  | 315                                     | 2576                      | NA                              | NA             |
| Intel Celeron D 360 @ 3.46GHz  | 334                                     | 2559                      | NA                              | NA             |
| Intel Celeron D 365 @ 3.60GHz  | 404                                     | 2476                      | 4.50                            | \$89.95*       |
| Intel Celeron D 420 @ 1.60GHz  | 481                                     | 2398                      | NA                              | NA             |
| Intel Celeron D 430 @ 1.80GHz  | 585                                     | 2323                      | NA                              | NA             |
| Intel Celeron E1200 @ 1.60GHz  | 861                                     | 2189                      | 3.83                            | \$225.00       |
| Intel Celeron E1400 @ 2.00GHz  | 1048                                    | 2076                      | 11.66                           | \$89.95        |
| Intel Celeron E1500 @ 2.20GHz  | 1172                                    | 2006                      | 59.67                           | \$19.65*       |
| Intel Celeron E1600 @ 2.40GHz  | 1260                                    | 1959                      | NA                              | NA             |
| Intel Celeron E3200 @ 2.40GHz  | 1394                                    | 1880                      | 26.81                           | \$51.99*       |
| Intel Celeron E3300 @ 2.50GHz  | 1382                                    | 1885                      | 123.58                          | \$11.19        |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Celeron E3400 @ 2.60GHz   | 1440                                 | 1861                   | 23.92                        | \$60.23     |
| Intel Celeron E3500 @ 2.70GHz   | 1454                                 | 1854                   | 46.91                        | \$31.00     |
| Intel Celeron G440 @ 1.60GHz    | 690                                  | 2274                   | 13.81                        | \$49.99     |
| Intel Celeron G460 @ 1.80GHz    | 1028                                 | 2085                   | 91.94                        | \$11.19     |
| Intel Celeron G465 @ 1.90GHz    | 1064                                 | 2068                   | 35.48                        | \$29.99     |
| Intel Celeron G470 @ 2.00GHz    | 1298                                 | 1931                   | NA                           | NA          |
| Intel Celeron G530 @ 2.40GHz    | 2141                                 | 1526                   | 53.55                        | \$39.99     |
| Intel Celeron G530T @ 2.00GHz   | 1717                                 | 1718                   | NA                           | NA          |
| Intel Celeron G540 @ 2.50GHz    | 2205                                 | 1505                   | 49.01                        | \$45.00     |
| Intel Celeron G540T @ 2.10GHz   | 2114                                 | 1540                   | NA                           | NA          |
| Intel Celeron G550 @ 2.60GHz    | 2285                                 | 1471                   | 114.33                       | \$19.99     |
| Intel Celeron G550T @ 2.20GHz   | 2063                                 | 1560                   | NA                           | NA          |
| Intel Celeron G555 @ 2.70GHz    | 2422                                 | 1417                   | 80.79                        | \$29.99     |
| Intel Celeron G1101 @ 2.27GHz   | 1667                                 | 1755                   | 84.34                        | \$19.77     |
| Intel Celeron G1610 @ 2.60GHz   | 2491                                 | 1395                   | 99.68                        | \$24.99     |
| Intel Celeron G1610T @ 2.30GHz  | 2303                                 | 1460                   | 57.53                        | \$40.04*    |
| Intel Celeron G1620 @ 2.70GHz   | 2582                                 | 1359                   | 16.81                        | \$153.59*   |
| Intel Celeron G1620T @ 2.40GHz  | 2353                                 | 1445                   | 56.03                        | \$42.00*    |
| Intel Celeron G1630 @ 2.80GHz   | 2493                                 | 1394                   | 49.89                        | \$49.99     |
| Intel Celeron G1820 @ 2.70GHz   | 2757                                 | 1304                   | 42.43                        | \$65.00     |
| Intel Celeron G1820T @ 2.40GHz  | 2505                                 | 1390                   | 59.66                        | \$42.00*    |
| Intel Celeron G1820TE @ 2.20GHz | 2132                                 | 1530                   | NA                           | NA          |
| Intel Celeron G1830 @ 2.80GHz   | 2544                                 | 1372                   | 36.35                        | \$69.99     |
| Intel Celeron G1840 @ 2.80GHz   | 2860                                 | 1267                   | 39.19                        | \$72.99     |
| Intel Celeron G1840T @ 2.50GHz  | 2605                                 | 1349                   | NA                           | NA          |
| Intel Celeron G1850 @ 2.90GHz   | 2907                                 | 1251                   | 36.35                        | \$79.99     |
| Intel Celeron G3900 @ 2.80GHz   | 3149                                 | 1172                   | 60.99                        | \$51.65     |
| Intel Celeron G3900E @ 2.40GHz  | 2679                                 | 1326                   | NA                           | NA          |
| Intel Celeron G3900T @ 2.60GHz  | 2919                                 | 1247                   | NA                           | NA          |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Celeron G3900TE @ 2.30GHz | 2591                                 | 1354                   | 61.71                        | \$42.00*    |
| Intel Celeron G3920 @ 2.90GHz   | 3113                                 | 1181                   | 51.90                        | \$59.98     |
| Intel Celeron G3930 @ 2.90GHz   | 3037                                 | 1205                   | 59.36                        | \$51.17*    |
| Intel Celeron G3930T @ 2.70GHz  | 2766                                 | 1298                   | 65.87                        | \$42.00*    |
| Intel Celeron G3950 @ 3.00GHz   | 3006                                 | 1215                   | 42.21                        | \$71.22*    |
| Intel Celeron G4900 @ 3.10GHz   | 3272                                 | 1128                   | 73.22                        | \$44.69     |
| Intel Celeron G4900T @ 2.90GHz  | 2960                                 | 1231                   | NA                           | NA          |
| Intel Celeron G4920 @ 3.20GHz   | 3318                                 | 1118                   | 39.99                        | \$82.99     |
| Intel Celeron J1750 @ 2.41GHz   | 1037                                 | 2082                   | NA                           | NA          |
| Intel Celeron J1800 @ 2.41GHz   | 1026                                 | 2089                   | NA                           | NA          |
| Intel Celeron J1850 @ 1.99GHz   | 1614                                 | 1785                   | NA                           | NA          |
| Intel Celeron J1900 @ 1.99GHz   | 1851                                 | 1659                   | NA                           | NA          |
| Intel Celeron J3060 @ 1.60GHz   | 981                                  | 2121                   | NA                           | NA          |
| Intel Celeron J3160 @ 1.60GHz   | 1791                                 | 1686                   | NA                           | NA          |
| Intel Celeron J3355 @ 2.00GHz   | 1180                                 | 2001                   | NA                           | NA          |
| Intel Celeron J3455 @ 1.50GHz   | 2146                                 | 1525                   | 5.65                         | \$379.99*   |
| Intel Celeron J4005 @ 2.00GHz   | 1601                                 | 1792                   | 6.42                         | \$249.44*   |
| Intel Celeron J4105 @ 1.50GHz   | 2641                                 | 1337                   | 24.69                        | \$107.00*   |
| Intel Celeron M 1.00GHz         | 207                                  | 2718                   | 16.60                        | \$12.49     |
| Intel Celeron M 1.30GHz         | 316                                  | 2575                   | NA                           | NA          |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Celeron M 1.50GHz        | 343                                     | 2552                      | NA                              | NA             |
| Intel Celeron M 1.60GHz        | 365                                     | 2527                      | NA                              | NA             |
| Intel Celeron M 1.70GHz        | 393                                     | 2495                      | NA                              | NA             |
| Intel Celeron M 360 1.40GHz    | 327                                     | 2566                      | NA                              | NA             |
| Intel Celeron M 410 @ 1.46GHz  | 315                                     | 2577                      | NA                              | NA             |
| Intel Celeron M 420 @ 1.60GHz  | 339                                     | 2554                      | NA                              | NA             |
| Intel Celeron M 430 @ 1.73GHz  | 367                                     | 2523                      | NA                              | NA             |
| Intel Celeron M 440 @ 1.86GHz  | 397                                     | 2487                      | NA                              | NA             |
| Intel Celeron M 443 @ 1.20GHz  | 253                                     | 2669                      | NA                              | NA             |
| Intel Celeron M 450 @ 2.00GHz  | 450                                     | 2426                      | NA                              | NA             |
| Intel Celeron M 520 @ 1.60GHz  | 431                                     | 2452                      | NA                              | NA             |
| Intel Celeron M 530 @ 1.73GHz  | 458                                     | 2417                      | NA                              | NA             |
| Intel Celeron M 540 @ 1.86GHz  | 542                                     | 2346                      | NA                              | NA             |
| Intel Celeron M 600MHz         | 151                                     | 2760                      | NA                              | NA             |
| Intel Celeron M 723 @ 1.20GHz  | 457                                     | 2420                      | NA                              | NA             |
| Intel Celeron M 900MHz         | 204                                     | 2720                      | NA                              | NA             |
| Intel Celeron M 1200MHz        | 275                                     | 2647                      | NA                              | NA             |
| Intel Celeron M 1300MHz        | 303                                     | 2593                      | NA                              | NA             |
| Intel Celeron M 1500MHz        | 332                                     | 2562                      | NA                              | NA             |
| Intel Celeron M ULV 800MHz     | 184                                     | 2741                      | NA                              | NA             |
| Intel Celeron N2805 @ 1.46GHz  | 454                                     | 2422                      | NA                              | NA             |
| Intel Celeron N2806 @ 1.60GHz  | 798                                     | 2224                      | NA                              | NA             |
| Intel Celeron N2807 @ 1.58GHz  | 852                                     | 2198                      | NA                              | NA             |
| Intel Celeron N2808 @ 1.58GHz  | 920                                     | 2167                      | NA                              | NA             |
| Intel Celeron N2810 @ 2.00GHz  | 777                                     | 2230                      | 5.55                            | \$139.99*      |
| Intel Celeron N2815 @ 1.86GHz  | 860                                     | 2190                      | NA                              | NA             |
| Intel Celeron N2820 @ 2.13GHz  | 934                                     | 2155                      | 4.45                            | \$209.99       |
| Intel Celeron N2830 @ 2.16GHz  | 950                                     | 2142                      | NA                              | NA             |
| Intel Celeron N2840 @ 2.16GHz  | 1004                                    | 2103                      | NA                              | NA             |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Celeron N2910 @ 1.60GHz  | 1203                                    | 1990                      | NA                              | NA             |
| Intel Celeron N2920 @ 1.86GHz  | 1499                                    | 1837                      | NA                              | NA             |
| Intel Celeron N2930 @ 1.83GHz  | 1628                                    | 1776                      | NA                              | NA             |
| Intel Celeron N2940 @ 1.83GHz  | 1735                                    | 1712                      | NA                              | NA             |
| Intel Celeron N3000 @ 1.04GHz  | 901                                     | 2177                      | NA                              | NA             |
| Intel Celeron N3010 @ 1.04GHz  | 964                                     | 2132                      | NA                              | NA             |
| Intel Celeron N3050 @ 1.60GHz  | 880                                     | 2183                      | 7.37                            | \$119.42*      |
| Intel Celeron N3060 @ 1.60GHz  | 984                                     | 2119                      | NA                              | NA             |
| Intel Celeron N3150 @ 1.60GHz  | 1658                                    | 1762                      | NA                              | NA             |
| Intel Celeron N3160 @ 1.60GHz  | 1675                                    | 1748                      | 5.84                            | \$286.99*      |
| Intel Celeron N3350 @ 1.10GHz  | 1115                                    | 2033                      | NA                              | NA             |
| Intel Celeron N3450 @ 1.10GHz  | 1839                                    | 1667                      | 11.50                           | \$159.92       |
| Intel Celeron N4100 @ 1.10GHz  | 2333                                    | 1449                      | 21.81                           | \$107.00*      |
| Intel Celeron P4500 @ 1.87GHz  | 1139                                    | 2028                      | NA                              | NA             |
| Intel Celeron P4505 @ 1.87GHz  | 994                                     | 2114                      | NA                              | NA             |
| Intel Celeron P4600 @ 2.00GHz  | 1340                                    | 1908                      | NA                              | NA             |
| Intel Celeron SU2300 @ 1.20GHz | 772                                     | 2233                      | NA                              | NA             |
| Intel Celeron T1600 @ 1.66GHz  | 950                                     | 2143                      | 47.53                           | \$19.99*       |
| Intel Celeron T1700 @ 1.83GHz  | 1058                                    | 2072                      | 17.65                           | \$59.95*       |
| Intel Celeron U1900 @ 1.99GHz  | 1704                                    | 1730                      | NA                              | NA             |



| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Celeron U3400 @ 1.07GHz   | 733                                  | 2250                   | NA                           | NA          |
| Intel Celeron U3405 @ 1.07GHz   | 684                                  | 2277                   | NA                           | NA          |
| Intel Celeron U3600 @ 1.20GHz   | 809                                  | 2221                   | NA                           | NA          |
| Intel Core2 Duo E4300 @ 1.80GHz | 1049                                 | 2075                   | 87.56                        | \$11.99     |
| Intel Core2 Duo E4400 @ 2.00GHz | 1157                                 | 2016                   | 23.15                        | \$49.99     |
| Intel Core2 Duo E4500 @ 2.20GHz | 1271                                 | 1953                   | 31.80                        | \$39.99     |
| Intel Core2 Duo E4600 @ 2.40GHz | 1384                                 | 1883                   | 76.98                        | \$17.99     |
| Intel Core2 Duo E4700 @ 2.60GHz | 1483                                 | 1845                   | 54.96                        | \$26.99     |
| Intel Core2 Duo E6300 @ 1.86GHz | 1109                                 | 2039                   | 85.45                        | \$12.99     |
| Intel Core2 Duo E6320 @ 1.86GHz | 1184                                 | 1999                   | 23.69                        | \$49.99     |
| Intel Core2 Duo E6400 @ 2.13GHz | 1290                                 | 1939                   | 43.07                        | \$29.95     |
| Intel Core2 Duo E6420 @ 2.13GHz | 1361                                 | 1898                   | 27.23                        | \$49.99     |
| Intel Core2 Duo E6540 @ 2.33GHz | 1458                                 | 1851                   | NA                           | NA          |
| Intel Core2 Duo E6550 @ 2.33GHz | 1499                                 | 1839                   | 100.27                       | \$14.95     |
| Intel Core2 Duo E6600 @ 2.40GHz | 1553                                 | 1812                   | 103.64                       | \$14.99     |
| Intel Core2 Duo E6700 @ 2.66GHz | 1692                                 | 1740                   | 56.44                        | \$29.99     |
| Intel Core2 Duo E6750 @ 2.66GHz | 1714                                 | 1721                   | 132.41                       | \$12.95     |
| Intel Core2 Duo E6850 @ 3.00GHz | 1948                                 | 1607                   | 38.98                        | \$49.99     |
| Intel Core2 Duo E7200 @ 2.53GHz | 1631                                 | 1774                   | 21.75                        | \$75.00     |
| Intel Core2 Duo E7300 @ 2.66GHz | 1727                                 | 1714                   | 86.43                        | \$19.99     |
| Intel Core2 Duo E7400 @ 2.80GHz | 1773                                 | 1692                   | 61.18                        | \$28.99     |
| Intel Core2 Duo E7500 @ 2.93GHz | 1875                                 | 1648                   | 125.10                       | \$14.99     |
| Intel Core2 Duo E7600 @ 3.06GHz | 1972                                 | 1596                   | 16.44                        | \$119.95*   |
| Intel Core2 Duo E8135 @ 2.40GHz | 1520                                 | 1825                   | NA                           | NA          |
| Intel Core2 Duo E8135 @ 2.66GHz | 1746                                 | 1704                   | NA                           | NA          |
| Intel Core2 Duo E8200 @ 2.66GHz | 1888                                 | 1644                   | 37.77                        | \$49.99     |
| Intel Core2 Duo E8235 @ 2.80GHz | 1965                                 | 1599                   | NA                           | NA          |
| Intel Core2 Duo E8290 @ 2.83GHz | 2353                                 | 1444                   | NA                           | NA          |
| Intel Core2 Duo E8300 @ 2.83GHz | 1992                                 | 1588                   | 99.67                        | \$19.99     |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core2 Duo E8335 @ 2.66GHz | 1846                                 | 1661                   | NA                           | NA          |
| Intel Core2 Duo E8335 @ 2.93GHz | 2128                                 | 1534                   | NA                           | NA          |
| Intel Core2 Duo E8400 @ 3.00GHz | 2151                                 | 1523                   | 240.38                       | \$8.95      |
| Intel Core2 Duo E8435 @ 3.06GHz | 2127                                 | 1535                   | NA                           | NA          |
| Intel Core2 Duo E8500 @ 3.16GHz | 2282                                 | 1474                   | 57.08                        | \$39.99     |
| Intel Core2 Duo E8600 @ 3.33GHz | 2407                                 | 1422                   | 48.17                        | \$49.99     |
| Intel Core2 Duo E8700 @ 3.50GHz | 2212                                 | 1501                   | NA                           | NA          |
| Intel Core2 Duo L7100 @ 1.20GHz | 760                                  | 2237                   | NA                           | NA          |
| Intel Core2 Duo L7200 @ 1.33GHz | 684                                  | 2278                   | NA                           | NA          |
| Intel Core2 Duo L7300 @ 1.40GHz | 827                                  | 2211                   | NA                           | NA          |
| Intel Core2 Duo L7400 @ 1.50GHz | 846                                  | 2200                   | NA                           | NA          |
| Intel Core2 Duo L7500 @ 1.60GHz | 963                                  | 2133                   | NA                           | NA          |
| Intel Core2 Duo L7700 @ 1.80GHz | 973                                  | 2125                   | NA                           | NA          |
| Intel Core2 Duo L7800 @ 2.00GHz | 1116                                 | 2031                   | NA                           | NA          |
| Intel Core2 Duo L9300 @ 1.60GHz | 1067                                 | 2067                   | NA                           | NA          |
| Intel Core2 Duo L9600 @ 2.13GHz | 1318                                 | 1919                   | NA                           | NA          |
| Intel Core2 Duo P7350 @ 2.00GHz | 1291                                 | 1937                   | 64.62                        | \$19.99*    |
| Intel Core2 Duo P7370 @ 2.00GHz | 1298                                 | 1930                   | NA                           | NA          |
| Intel Core2 Duo P7450 @ 2.13GHz | 1416                                 | 1869                   | 35.42                        | \$39.99*    |
| Intel Core2 Duo P7500 @ 1.60GHz | 945                                  | 2146                   | NA                           | NA          |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core2 Duo P7550 @ 2.26GHz  | 1516                                 | 1831                   | 6.59                         | \$229.99*   |
| Intel Core2 Duo P7570 @ 2.26GHz  | 1450                                 | 1856                   | NA                           | NA          |
| Intel Core2 Duo P7700 @ 1.80GHz  | 1021                                 | 2093                   | NA                           | NA          |
| Intel Core2 Duo P8400 @ 2.26GHz  | 1455                                 | 1853                   | 4.90                         | \$297.01*   |
| Intel Core2 Duo P8600 @ 2.40GHz  | 1536                                 | 1817                   | 31.24                        | \$49.18*    |
| Intel Core2 Duo P8700 @ 2.53GHz  | 1624                                 | 1778                   | 42.76                        | \$37.99*    |
| Intel Core2 Duo P8800 @ 2.66GHz  | 1741                                 | 1707                   | 30.56                        | \$56.99*    |
| Intel Core2 Duo P9300 @ 2.26GHz  | 1564                                 | 1809                   | NA                           | NA          |
| Intel Core2 Duo P9500 @ 2.53GHz  | 1765                                 | 1695                   | 1.77                         | \$998.99*   |
| Intel Core2 Duo P9600 @ 2.53GHz  | 1738                                 | 1709                   | 17.56                        | \$99.00*    |
| Intel Core2 Duo P9600 @ 2.66GHz  | 1881                                 | 1647                   | NA                           | NA          |
| Intel Core2 Duo P9700 @ 2.80GHz  | 2012                                 | 1580                   | NA                           | NA          |
| Intel Core2 Duo Q6867 @ 3.00GHz  | 589                                  | 2321                   | NA                           | NA          |
| Intel Core2 Duo SL9400 @ 1.86GHz | 1268                                 | 1955                   | 5.01                         | \$253.00*   |
| Intel Core2 Duo SP9400 @ 2.40GHz | 1675                                 | 1749                   | 5.90                         | \$284.00*   |
| Intel Core2 Duo SU9400 @ 1.40GHz | 933                                  | 2156                   | NA                           | NA          |
| Intel Core2 Duo T5200 @ 1.60GHz  | 829                                  | 2209                   | NA                           | NA          |
| Intel Core2 Duo T5250 @ 1.50GHz  | 834                                  | 2206                   | NA                           | NA          |
| Intel Core2 Duo T5270 @ 1.40GHz  | 816                                  | 2216                   | NA                           | NA          |
| Intel Core2 Duo T5300 @ 1.73GHz  | 935                                  | 2154                   | NA                           | NA          |
| Intel Core2 Duo T5450 @ 1.66GHz  | 912                                  | 2172                   | NA                           | NA          |
| Intel Core2 Duo T5470 @ 1.60GHz  | 909                                  | 2174                   | NA                           | NA          |
| Intel Core2 Duo T5500 @ 1.66GHz  | 925                                  | 2161                   | NA                           | NA          |
| Intel Core2 Duo T5550 @ 1.83GHz  | 1045                                 | 2078                   | NA                           | NA          |
| Intel Core2 Duo T5600 @ 1.83GHz  | 1028                                 | 2086                   | NA                           | NA          |
| Intel Core2 Duo T5670 @ 1.80GHz  | 993                                  | 2115                   | NA                           | NA          |
| Intel Core2 Duo T5750 @ 2.00GHz  | 1091                                 | 2051                   | 109.30                       | \$9.99*     |
| Intel Core2 Duo T5800 @ 2.00GHz  | 1108                                 | 2041                   | NA                           | NA          |
| Intel Core2 Duo T5850 @ 2.16GHz  | 1195                                 | 1993                   | 75.16                        | \$15.90*    |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core2 Duo T5870 @ 2.00GHz  | 1144                                 | 2025                   | NA                           | NA          |
| Intel Core2 Duo T5900 @ 2.20GHz  | 1207                                 | 1987                   | NA                           | NA          |
| Intel Core2 Duo T6400 @ 2.00GHz  | 1225                                 | 1978                   | 81.74                        | \$14.99*    |
| Intel Core2 Duo T6500 @ 2.10GHz  | 1287                                 | 1941                   | 85.87                        | \$14.99*    |
| Intel Core2 Duo T6570 @ 2.10GHz  | 1255                                 | 1961                   | 32.62                        | \$38.50*    |
| Intel Core2 Duo T6600 @ 2.20GHz  | 1362                                 | 1897                   | 72.12                        | \$18.90*    |
| Intel Core2 Duo T6670 @ 2.20GHz  | 1368                                 | 1893                   | NA                           | NA          |
| Intel Core2 Duo T7100 @ 1.80GHz  | 1018                                 | 2094                   | 46.31                        | \$21.99*    |
| Intel Core2 Duo T7200 @ 2.00GHz  | 1166                                 | 2011                   | 11.67                        | \$99.95     |
| Intel Core2 Duo T7250 @ 2.00GHz  | 1111                                 | 2036                   | 5.51                         | \$201.48*   |
| Intel Core2 Duo T7300 @ 2.00GHz  | 1192                                 | 1994                   | 38.47                        | \$30.99*    |
| Intel Core2 Duo T7400 @ 2.16GHz  | 1243                                 | 1971                   | NA                           | NA          |
| Intel Core2 Duo T7500 @ 2.20GHz  | 1273                                 | 1951                   | 29.63                        | \$42.99*    |
| Intel Core2 Duo T7600 @ 2.33GHz  | 1380                                 | 1886                   | NA                           | NA          |
| Intel Core2 Duo T7700 @ 2.40GHz  | 1419                                 | 1868                   | 23.68                        | \$59.95*    |
| Intel Core2 Duo T7800 @ 2.60GHz  | 1604                                 | 1790                   | 2.64                         | \$607.99*   |
| Intel Core2 Duo T8100 @ 2.10GHz  | 1297                                 | 1932                   | 1.30                         | \$999.99*   |
| Intel Core2 Duo T8300 @ 2.40GHz  | 1474                                 | 1847                   | 6.89                         | \$213.99*   |
| Intel Core2 Duo T9300 @ 2.50GHz  | 1670                                 | 1753                   | 28.80                        | \$57.99*    |
| Intel Core2 Duo T9400 @ 2.53GHz  | 1736                                 | 1711                   | 24.82                        | \$69.95*    |

| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Core2 Duo T9500 @ 2.60GHz     | 1796                                    | 1684                      | NA                              | NA             |
| Intel Core2 Duo T9550 @ 2.66GHz     | 1800                                    | 1683                      | 6.02                            | \$298.95*      |
| Intel Core2 Duo T9600 @ 2.80GHz     | 1927                                    | 1617                      | 21.43                           | \$89.95*       |
| Intel Core2 Duo T9800 @ 2.93GHz     | 2013                                    | 1579                      | 4.75                            | \$423.89*      |
| Intel Core2 Duo T9900 @ 3.06GHz     | 2130                                    | 1532                      | 5.34                            | \$398.95*      |
| Intel Core2 Duo U7300 @ 1.30GHz     | 871                                     | 2186                      | NA                              | NA             |
| Intel Core2 Duo U7500 @ 1.06GHz     | 582                                     | 2326                      | NA                              | NA             |
| Intel Core2 Duo U7600 @ 1.20GHz     | 664                                     | 2284                      | NA                              | NA             |
| Intel Core2 Duo U7700 @ 1.33GHz     | 700                                     | 2270                      | NA                              | NA             |
| Intel Core2 Duo U9300 @ 1.20GHz     | 859                                     | 2193                      | NA                              | NA             |
| Intel Core2 Duo U9600 @ 1.60GHz     | 1133                                    | 2030                      | NA                              | NA             |
| Intel Core2 Duo X7360 @ 2.53GHz     | 1687                                    | 1742                      | NA                              | NA             |
| Intel Core2 Extreme Q6800 @ 2.93GHz | 3651                                    | 1036                      | 3.25                            | \$1,125.00*    |
| Intel Core2 Extreme Q6850 @ 3.00GHz | 3635                                    | 1037                      | 2.43                            | \$1,495.95*    |
| Intel Core2 Extreme Q9300 @ 2.53GHz | 3459                                    | 1083                      | NA                              | NA             |
| Intel Core2 Extreme X6800 @ 2.93GHz | 1870                                    | 1651                      | 7.09                            | \$263.64*      |
| Intel Core2 Extreme X7800 @ 2.60GHz | 1802                                    | 1682                      | NA                              | NA             |
| Intel Core2 Extreme X7850 @ 2.80GHz | 1331                                    | 1914                      | NA                              | NA             |
| Intel Core2 Extreme X7900 @ 2.80GHz | 1681                                    | 1744                      | NA                              | NA             |
| Intel Core2 Extreme X9000 @ 2.80GHz | 1900                                    | 1630                      | 4.64                            | \$409.95*      |
| Intel Core2 Extreme X9100 @ 3.06GHz | 2061                                    | 1561                      | 2.42                            | \$851.00*      |
| Intel Core2 Extreme X9650 @ 3.00GHz | 4164                                    | 926                       | 4.84                            | \$859.99*      |
| Intel Core2 Extreme X9750 @ 3.16GHz | 4597                                    | 841                       | NA                              | NA             |
| Intel Core2 Extreme X9770 @ 3.20GHz | 4611                                    | 835                       | 2.87                            | \$1,608.95*    |
| Intel Core2 Extreme X9775 @ 3.20GHz | 4646                                    | 825                       | 2.57                            | \$1,805.95*    |
| Intel Core2 Quad Q6600 @ 2.40GHz    | 2954                                    | 1232                      | 129.02                          | \$22.90        |
| Intel Core2 Quad Q6700 @ 2.66GHz    | 3287                                    | 1126                      | 73.08                           | \$44.99        |
| Intel Core2 Quad Q8200 @ 2.33GHz    | 2812                                    | 1281                      | 122.33                          | \$22.99        |
| Intel Core2 Quad Q8300 @ 2.50GHz    | 2985                                    | 1223                      | 59.73                           | \$49.99        |
| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core2 Quad Q8400 @ 2.66GHz    | 3167                                    | 1160                      | 13.20                           | \$239.95*      |
| Intel Core2 Quad Q9000 @ 2.00GHz    | 2529                                    | 1378                      | 6.50                            | \$389.00*      |
| Intel Core2 Quad Q9100 @ 2.26GHz    | 3242                                    | 1137                      | 8.40                            | \$385.89*      |
| Intel Core2 Quad Q9300 @ 2.50GHz    | 3162                                    | 1165                      | 63.26                           | \$49.99        |
| Intel Core2 Quad Q9400 @ 2.66GHz    | 3346                                    | 1112                      | 98.45                           | \$33.99        |
| Intel Core2 Quad Q9450 @ 2.66GHz    | 3761                                    | 1007                      | 11.23                           | \$335.00       |
| Intel Core2 Quad Q9500 @ 2.83GHz    | 3545                                    | 1062                      | 101.34                          | \$34.99        |
| Intel Core2 Quad Q9505 @ 2.83GHz    | 3569                                    | 1054                      | 18.79                           | \$190.00*      |
| Intel Core2 Quad Q9550 @ 2.83GHz    | 3972                                    | 960                       | 81.09                           | \$48.99        |
| Intel Core2 Quad Q9650 @ 3.00GHz    | 4169                                    | 923                       | 77.22                           | \$53.99        |
| Intel Core2 Quad Q9705 @ 3.16GHz    | 3947                                    | 965                       | NA                              | NA             |
| Intel Core2 Solo U2100 @ 1.06GHz    | 350                                     | 2542                      | NA                              | NA             |
| Intel Core2 Solo U2200 @ 1.20GHz    | 311                                     | 2584                      | NA                              | NA             |
| Intel Core2 Solo U3300 @ 1.20GHz    | 415                                     | 2461                      | NA                              | NA             |
| Intel Core2 Solo U3500 @ 1.40GHz    | 467                                     | 2408                      | NA                              | NA             |
| Intel Core 330 @ 1.60GHz            | 643                                     | 2294                      | NA                              | NA             |
| Intel Core 860 @ 2.80GHz            | 4555                                    | 849                       | 14.74                           | \$309.00*      |
| Intel Core Duo L2300 @ 1.50GHz      | 719                                     | 2258                      | NA                              | NA             |
| Intel Core Duo L2400 @ 1.66GHz      | 711                                     | 2262                      | NA                              | NA             |
| Intel Core Duo L2500 @ 1.83GHz      | 728                                     | 2254                      | NA                              | NA             |

| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Core Duo T2050 @ 1.60GHz | 694                                     | 2271                      | NA                              | NA             |
| Intel Core Duo T2250 @ 1.73GHz | 758                                     | 2242                      | NA                              | NA             |
| Intel Core Duo T2300 @ 1.66GHz | 729                                     | 2253                      | NA                              | NA             |
| Intel Core Duo T2350 @ 1.86GHz | 760                                     | 2238                      | NA                              | NA             |
| Intel Core Duo T2400 @ 1.83GHz | 794                                     | 2226                      | 49.63                           | \$16.00*       |
| Intel Core Duo T2450 @ 2.00GHz | 825                                     | 2212                      | NA                              | NA             |
| Intel Core Duo T2500 @ 2.00GHz | 868                                     | 2188                      | 7.24                            | \$119.99*      |
| Intel Core Duo T2600 @ 2.16GHz | 941                                     | 2150                      | NA                              | NA             |
| Intel Core Duo T2700 @ 2.33GHz | 1024                                    | 2091                      | NA                              | NA             |
| Intel Core Duo U2400 @ 1.06GHz | 544                                     | 2345                      | NA                              | NA             |
| Intel Core Duo U2500 @ 1.20GHz | 512                                     | 2367                      | NA                              | NA             |
| Intel Core i3-330E @ 2.13GHz   | 1935                                    | 1613                      | NA                              | NA             |
| Intel Core i3-330M @ 2.13GHz   | 1791                                    | 1687                      | 36.89                           | \$48.56*       |
| Intel Core i3-330UM @ 1.20GHz  | 1071                                    | 2065                      | NA                              | NA             |
| Intel Core i3-350M @ 2.27GHz   | 1894                                    | 1637                      | 43.00                           | \$44.05        |
| Intel Core i3-370M @ 2.40GHz   | 2016                                    | 1578                      | 50.47                           | \$39.96*       |
| Intel Core i3-380M @ 2.53GHz   | 2094                                    | 1550                      | 42.74                           | \$49.00*       |
| Intel Core i3-380UM @ 1.33GHz  | 1168                                    | 2009                      | NA                              | NA             |
| Intel Core i3-390M @ 2.67GHz   | 2180                                    | 1514                      | 55.99                           | \$38.95*       |
| Intel Core i3-530 @ 2.93GHz    | 2568                                    | 1365                      | 128.44                          | \$20.00        |
| Intel Core i3-540 @ 3.07GHz    | 2688                                    | 1325                      | 128.04                          | \$21.00        |
| Intel Core i3-550 @ 3.20GHz    | 2828                                    | 1274                      | 15.72                           | \$179.95       |
| Intel Core i3-560 @ 3.33GHz    | 2943                                    | 1235                      | 98.18                           | \$29.98        |
| Intel Core i3-2100 @ 3.10GHz   | 3688                                    | 1031                      | 61.48                           | \$59.99        |
| Intel Core i3-2100T @ 2.50GHz  | 2941                                    | 1237                      | 49.04                           | \$59.99        |
| Intel Core i3-2102 @ 3.10GHz   | 3736                                    | 1017                      | 64.41                           | \$58.00*       |
| Intel Core i3-2105 @ 3.10GHz   | 3704                                    | 1023                      | 46.32                           | \$79.99        |
| Intel Core i3-2120 @ 3.30GHz   | 3924                                    | 974                       | 130.81                          | \$30.00        |
| Intel Core i3-2120T @ 2.60GHz  | 3160                                    | 1168                      | 10.69                           | \$295.59       |
| CPU Name                       | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Core i3-2125 @ 3.30GHz   | 4025                                    | 948                       | 20.23                           | \$199.00       |
| Intel Core i3-2130 @ 3.40GHz   | 4060                                    | 940                       | 52.06                           | \$78.00        |
| Intel Core i3-2140 @ 3.50GHz   | 4325                                    | 897                       | NA                              | NA             |
| Intel Core i3-2310E @ 2.10GHz  | 2839                                    | 1270                      | 12.62                           | \$225.00*      |
| Intel Core i3-2310M @ 2.10GHz  | 2429                                    | 1413                      | 62.59                           | \$38.81        |
| Intel Core i3-2312M @ 2.10GHz  | 2381                                    | 1432                      | NA                              | NA             |
| Intel Core i3-2328M @ 2.20GHz  | 2532                                    | 1377                      | 27.24                           | \$92.97*       |
| Intel Core i3-2330E @ 2.20GHz  | 3073                                    | 1193                      | NA                              | NA             |
| Intel Core i3-2330M @ 2.20GHz  | 2522                                    | 1381                      | 14.82                           | \$170.20       |
| Intel Core i3-2332M @ 2.20GHz  | 2382                                    | 1431                      | NA                              | NA             |
| Intel Core i3-2340UE @ 1.30GHz | 1719                                    | 1716                      | NA                              | NA             |
| Intel Core i3-2348M @ 2.30GHz  | 2619                                    | 1345                      | NA                              | NA             |
| Intel Core i3-2350M @ 2.30GHz  | 2619                                    | 1346                      | 62.41                           | \$41.97*       |
| Intel Core i3-2357M @ 1.30GHz  | 1556                                    | 1811                      | NA                              | NA             |
| Intel Core i3-2365M @ 1.40GHz  | 1681                                    | 1746                      | NA                              | NA             |
| Intel Core i3-2367M @ 1.40GHz  | 1704                                    | 1729                      | NA                              | NA             |
| Intel Core i3-2370M @ 2.40GHz  | 2776                                    | 1295                      | 69.74                           | \$39.81        |
| Intel Core i3-2375M @ 1.50GHz  | 1780                                    | 1689                      | NA                              | NA             |
| Intel Core i3-2377M @ 1.50GHz  | 1820                                    | 1676                      | NA                              | NA             |
| Intel Core i3-3110M @ 2.40GHz  | 3077                                    | 1192                      | 38.50                           | \$79.95        |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i3-3120M @ 2.50GHz  | 3217                                 | 1148                   | 23.15                        | \$139.00    |
| Intel Core i3-3130M @ 2.60GHz  | 3405                                 | 1092                   | NA                           | NA          |
| Intel Core i3-3210 @ 3.20GHz   | 4032                                 | 947                    | 40.33                        | \$99.99     |
| Intel Core i3-3217U @ 1.80GHz  | 2302                                 | 1463                   | 10.01                        | \$229.99*   |
| Intel Core i3-3217UE @ 1.60GHz | 2162                                 | 1519                   | NA                           | NA          |
| Intel Core i3-3220 @ 3.30GHz   | 4236                                 | 913                    | 65.70                        | \$64.49     |
| Intel Core i3-3220T @ 2.80GHz  | 3698                                 | 1027                   | 36.99                        | \$99.99     |
| Intel Core i3-3225 @ 3.30GHz   | 4336                                 | 893                    | 43.37                        | \$99.99     |
| Intel Core i3-3227U @ 1.90GHz  | 2466                                 | 1403                   | NA                           | NA          |
| Intel Core i3-3229Y @ 1.40GHz  | 1694                                 | 1739                   | NA                           | NA          |
| Intel Core i3-3240 @ 3.40GHz   | 4309                                 | 899                    | 100.25                       | \$42.99     |
| Intel Core i3-3240T @ 2.90GHz  | 3686                                 | 1032                   | NA                           | NA          |
| Intel Core i3-3245 @ 3.40GHz   | 4429                                 | 870                    | 55.37                        | \$79.99     |
| Intel Core i3-3250 @ 3.50GHz   | 4446                                 | 867                    | 46.81                        | \$94.99     |
| Intel Core i3-3250T @ 3.00GHz  | 3021                                 | 1208                   | NA                           | NA          |
| Intel Core i3-4000M @ 2.40GHz  | 3241                                 | 1139                   | 16.21                        | \$199.95*   |
| Intel Core i3-4005U @ 1.70GHz  | 2446                                 | 1409                   | NA                           | NA          |
| Intel Core i3-4010U @ 1.70GHz  | 2436                                 | 1412                   | 19.60                        | \$124.31    |
| Intel Core i3-4010Y @ 1.30GHz  | 1900                                 | 1631                   | NA                           | NA          |
| Intel Core i3-4012Y @ 1.50GHz  | 2158                                 | 1520                   | NA                           | NA          |
| Intel Core i3-4020Y @ 1.50GHz  | 2213                                 | 1500                   | NA                           | NA          |
| Intel Core i3-4025U @ 1.90GHz  | 2779                                 | 1294                   | NA                           | NA          |
| Intel Core i3-4030U @ 1.90GHz  | 2706                                 | 1319                   | NA                           | NA          |
| Intel Core i3-4030Y @ 1.60GHz  | 2507                                 | 1388                   | NA                           | NA          |
| Intel Core i3-4100M @ 2.50GHz  | 3489                                 | 1075                   | 15.97                        | \$218.57*   |
| Intel Core i3-4110M @ 2.60GHz  | 3873                                 | 979                    | NA                           | NA          |
| Intel Core i3-4110U @ 1.90GHz  | 2902                                 | 1257                   | NA                           | NA          |
| Intel Core i3-4120U @ 2.00GHz  | 3050                                 | 1200                   | NA                           | NA          |
| Intel Core i3-4130 @ 3.40GHz   | 4795                                 | 805                    | 34.26                        | \$139.99    |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i3-4130T @ 2.90GHz  | 4137                                 | 931                    | 46.49                        | \$88.99*    |
| Intel Core i3-4150 @ 3.50GHz   | 4894                                 | 786                    | 30.40                        | \$160.98    |
| Intel Core i3-4150T @ 3.00GHz  | 4267                                 | 907                    | 18.56                        | \$229.95*   |
| Intel Core i3-4158U @ 2.00GHz  | 2914                                 | 1249                   | NA                           | NA          |
| Intel Core i3-4160 @ 3.60GHz   | 5056                                 | 753                    | 36.12                        | \$139.99    |
| Intel Core i3-4160T @ 3.10GHz  | 4415                                 | 876                    | 29.64                        | \$148.99    |
| Intel Core i3-4170 @ 3.70GHz   | 5188                                 | 728                    | 34.59                        | \$149.99    |
| Intel Core i3-4170T @ 3.20GHz  | 4541                                 | 854                    | 21.63                        | \$209.95    |
| Intel Core i3-4330 @ 3.50GHz   | 5096                                 | 742                    | 28.31                        | \$179.99    |
| Intel Core i3-4330T @ 3.00GHz  | 4486                                 | 863                    | NA                           | NA          |
| Intel Core i3-4330TE @ 2.40GHz | 3201                                 | 1152                   | NA                           | NA          |
| Intel Core i3-4340 @ 3.60GHz   | 5240                                 | 723                    | 31.01                        | \$168.99    |
| Intel Core i3-4350 @ 3.60GHz   | 4963                                 | 774                    | 29.37                        | \$168.99    |
| Intel Core i3-4350T @ 3.10GHz  | 4302                                 | 901                    | NA                           | NA          |
| Intel Core i3-4360 @ 3.70GHz   | 5460                                 | 687                    | 19.51                        | \$279.95    |
| Intel Core i3-4360T @ 3.20GHz  | 4636                                 | 827                    | NA                           | NA          |
| Intel Core i3-4370 @ 3.80GHz   | 5600                                 | 669                    | 12.45                        | \$449.97    |
| Intel Core i3-4370T @ 3.30GHz  | 4855                                 | 795                    | 35.18                        | \$138.00*   |
| Intel Core i3-4570T @ 2.90GHz  | 4934                                 | 780                    | NA                           | NA          |
| Intel Core i3-5005U @ 2.00GHz  | 2902                                 | 1255                   | NA                           | NA          |



| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i3-5010U @ 2.10GHz  | 3048                                 | 1203                   | 10.03                        | \$303.93*   |
| Intel Core i3-5015U @ 2.10GHz  | 3038                                 | 1204                   | NA                           | NA          |
| Intel Core i3-5020U @ 2.20GHz  | 3182                                 | 1156                   | 6.93                         | \$459.00*   |
| Intel Core i3-5157U @ 2.50GHz  | 3661                                 | 1035                   | NA                           | NA          |
| Intel Core i3-6006U @ 2.00GHz  | 3090                                 | 1186                   | NA                           | NA          |
| Intel Core i3-6098P @ 3.60GHz  | 5415                                 | 698                    | 40.49                        | \$133.74*   |
| Intel Core i3-6100 @ 3.70GHz   | 5490                                 | 682                    | 31.20                        | \$175.99    |
| Intel Core i3-6100E @ 2.70GHz  | 3769                                 | 1005                   | NA                           | NA          |
| Intel Core i3-6100H @ 2.70GHz  | 4246                                 | 912                    | NA                           | NA          |
| Intel Core i3-6100T @ 3.20GHz  | 4856                                 | 794                    | 25.56                        | \$189.99    |
| Intel Core i3-6100TE @ 2.70GHz | 4337                                 | 892                    | NA                           | NA          |
| Intel Core i3-6100U @ 2.30GHz  | 3602                                 | 1043                   | 6.99                         | \$515.00*   |
| Intel Core i3-6157U @ 2.40GHz  | 3835                                 | 987                    | NA                           | NA          |
| Intel Core i3-6300 @ 3.80GHz   | 5851                                 | 639                    | 40.92                        | \$142.99    |
| Intel Core i3-6300T @ 3.30GHz  | 5249                                 | 721                    | 29.16                        | \$179.99    |
| Intel Core i3-6320 @ 3.90GHz   | 6047                                 | 618                    | 37.80                        | \$159.99    |
| Intel Core i3-7020U @ 2.30GHz  | 3543                                 | 1064                   | 12.61                        | \$281.00*   |
| Intel Core i3-7100 @ 3.90GHz   | 5782                                 | 644                    | 40.22                        | \$143.75    |
| Intel Core i3-7100H @ 3.00GHz  | 4768                                 | 808                    | 21.19                        | \$225.00*   |
| Intel Core i3-7100T @ 3.40GHz  | 5044                                 | 757                    | 56.68                        | \$89.00*    |
| Intel Core i3-7100U @ 2.40GHz  | 3793                                 | 999                    | 11.23                        | \$337.98*   |
| Intel Core i3-7101TE @ 3.40GHz | 5016                                 | 761                    | 42.88                        | \$117.00*   |
| Intel Core i3-7130U @ 2.70GHz  | 4034                                 | 945                    | 14.36                        | \$281.00*   |
| Intel Core i3-7300 @ 4.00GHz   | 6436                                 | 581                    | 35.40                        | \$181.82    |
| Intel Core i3-7300T @ 3.50GHz  | 5369                                 | 703                    | 27.48                        | \$195.41*   |
| Intel Core i3-7320 @ 4.10GHz   | 6541                                 | 570                    | 34.06                        | \$192.05    |
| Intel Core i3-7350K @ 4.20GHz  | 6623                                 | 565                    | 34.47                        | \$192.12    |
| Intel Core i3-8100 @ 3.60GHz   | 8080                                 | 426                    | 70.27                        | \$114.99    |
| Intel Core i3-8100T @ 3.10GHz  | 7461                                 | 485                    | 53.68                        | \$139.00    |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i3-8109U @ 3.00GHz  | 6181                                 | 604                    | NA                           | NA          |
| Intel Core i3-8130U @ 2.20GHz  | 4995                                 | 767                    | 17.78                        | \$281.00*   |
| Intel Core i3-8145U @ 2.10GHz  | 5721                                 | 653                    | 20.36                        | \$281.00*   |
| Intel Core i3-8300 @ 3.70GHz   | 8663                                 | 389                    | 46.51                        | \$186.27*   |
| Intel Core i3-8300T @ 3.20GHz  | 7650                                 | 470                    | 33.71                        | \$226.99*   |
| Intel Core i3-8350K @ 4.00GHz  | 9245                                 | 336                    | 47.19                        | \$195.90    |
| Intel Core i5 750S @ 2.40GHz   | 2197                                 | 1510                   | 21.97                        | \$99.99     |
| Intel Core i5 E 520 @ 2.40GHz  | 2486                                 | 1397                   | NA                           | NA          |
| Intel Core i5-7Y54 @ 1.20GHz   | 3617                                 | 1040                   | NA                           | NA          |
| Intel Core i5-7Y57 @ 1.20GHz   | 3737                                 | 1016                   | NA                           | NA          |
| Intel Core i5-430M @ 2.27GHz   | 2100                                 | 1548                   | 15.01                        | \$139.95*   |
| Intel Core i5-430UM @ 1.20GHz  | 1339                                 | 1909                   | NA                           | NA          |
| Intel Core i5-450M @ 2.40GHz   | 2117                                 | 1539                   | 66.26                        | \$31.95*    |
| Intel Core i5-460M @ 2.53GHz   | 2325                                 | 1452                   | 31.03                        | \$74.95*    |
| Intel Core i5-470UM @ 1.33GHz  | 1081                                 | 2063                   | NA                           | NA          |
| Intel Core i5-480M @ 2.67GHz   | 2405                                 | 1424                   | 29.85                        | \$80.60*    |
| Intel Core i5-520 @ 2.40GHz    | 2244                                 | 1491                   | NA                           | NA          |
| Intel Core i5-520M @ 2.40GHz   | 2369                                 | 1438                   | 33.86                        | \$69.99*    |
| Intel Core i5-520UM @ 1.07GHz  | 1356                                 | 1902                   | NA                           | NA          |
| Intel Core i5-540M @ 2.53GHz   | 2449                                 | 1408                   | 12.89                        | \$189.95*   |



| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i5-540UM @ 1.20GHz | 1374                                 | 1891                   | NA                           | NA          |
| Intel Core i5-560M @ 2.67GHz  | 2588                                 | 1355                   | 28.77                        | \$89.97     |
| Intel Core i5-560UM @ 1.33GHz | 1664                                 | 1757                   | NA                           | NA          |
| Intel Core i5-580M @ 2.67GHz  | 2626                                 | 1342                   | 23.89                        | \$109.95*   |
| Intel Core i5-650 @ 3.20GHz   | 3102                                 | 1184                   | 31.03                        | \$99.99     |
| Intel Core i5-655K @ 3.20GHz  | 3399                                 | 1098                   | 56.67                        | \$59.99     |
| Intel Core i5-660 @ 3.33GHz   | 3247                                 | 1135                   | 66.27                        | \$49.00     |
| Intel Core i5-661 @ 3.33GHz   | 3180                                 | 1157                   | 31.81                        | \$99.99     |
| Intel Core i5-670 @ 3.47GHz   | 3310                                 | 1122                   | 36.79                        | \$89.99     |
| Intel Core i5-680 @ 3.60GHz   | 3513                                 | 1069                   | 39.05                        | \$89.99     |
| Intel Core i5-750 @ 2.67GHz   | 3694                                 | 1029                   | 17.65                        | \$209.29    |
| Intel Core i5-760 @ 2.80GHz   | 3889                                 | 975                    | 48.63                        | \$79.99     |
| Intel Core i5-2300 @ 2.80GHz  | 5345                                 | 708                    | 66.83                        | \$79.99     |
| Intel Core i5-2310 @ 2.90GHz  | 5534                                 | 679                    | 69.20                        | \$79.98     |
| Intel Core i5-2320 @ 3.00GHz  | 5756                                 | 648                    | 22.15                        | \$259.95    |
| Intel Core i5-2380P @ 3.10GHz | 5695                                 | 658                    | 63.29                        | \$89.99     |
| Intel Core i5-2390T @ 2.70GHz | 4262                                 | 908                    | 42.66                        | \$99.90*    |
| Intel Core i5-2400 @ 3.10GHz  | 5956                                 | 627                    | 79.43                        | \$74.99     |
| Intel Core i5-2400S @ 2.50GHz | 4959                                 | 775                    | 75.49                        | \$65.70     |
| Intel Core i5-2405S @ 2.50GHz | 5065                                 | 750                    | 30.81                        | \$164.40*   |
| Intel Core i5-2410M @ 2.30GHz | 3165                                 | 1163                   | 40.55                        | \$78.07*    |
| Intel Core i5-2415M @ 2.30GHz | 3299                                 | 1124                   | NA                           | NA          |
| Intel Core i5-2430M @ 2.40GHz | 3282                                 | 1127                   | 39.03                        | \$84.11     |
| Intel Core i5-2435M @ 2.40GHz | 3239                                 | 1141                   | NA                           | NA          |
| Intel Core i5-2450M @ 2.50GHz | 3395                                 | 1100                   | 38.58                        | \$88.02*    |
| Intel Core i5-2450P @ 3.20GHz | 6144                                 | 608                    | 68.28                        | \$89.99     |
| Intel Core i5-2467M @ 1.60GHz | 2336                                 | 1448                   | NA                           | NA          |
| Intel Core i5-2500 @ 3.30GHz  | 6328                                 | 594                    | 71.11                        | \$88.99     |
| Intel Core i5-2500K @ 3.30GHz | 6476                                 | 578                    | 52.24                        | \$123.99    |
| CPU Name                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i5-2500S @ 2.70GHz | 5313                                 | 714                    | 70.86                        | \$74.99*    |
| Intel Core i5-2500T @ 2.30GHz | 4608                                 | 837                    | NA                           | NA          |
| Intel Core i5-2510E @ 2.50GHz | 3676                                 | 1033                   | NA                           | NA          |
| Intel Core i5-2515E @ 2.50GHz | 3313                                 | 1120                   | NA                           | NA          |
| Intel Core i5-2520M @ 2.50GHz | 3587                                 | 1049                   | 21.15                        | \$169.60*   |
| Intel Core i5-2537M @ 1.40GHz | 2095                                 | 1549                   | NA                           | NA          |
| Intel Core i5-2540M @ 2.60GHz | 3781                                 | 1003                   | 60.07                        | \$62.95     |
| Intel Core i5-2550K @ 3.40GHz | 6666                                 | 560                    | 51.69                        | \$128.99    |
| Intel Core i5-2557M @ 1.70GHz | 2671                                 | 1329                   | NA                           | NA          |
| Intel Core i5-2560M @ 2.70GHz | 3752                                 | 1011                   | NA                           | NA          |
| Intel Core i5-3210M @ 2.50GHz | 3823                                 | 990                    | 31.68                        | \$120.68*   |
| Intel Core i5-3230M @ 2.60GHz | 3938                                 | 970                    | 15.78                        | \$249.65*   |
| Intel Core i5-3317U @ 1.70GHz | 3089                                 | 1187                   | 13.73                        | \$225.00*   |
| Intel Core i5-3320M @ 2.60GHz | 4113                                 | 936                    | 33.51                        | \$122.74*   |
| Intel Core i5-3330 @ 3.00GHz  | 5935                                 | 630                    | 19.15                        | \$309.99    |
| Intel Core i5-3330S @ 2.70GHz | 5670                                 | 662                    | 59.69                        | \$94.99     |
| Intel Core i5-3335S @ 2.70GHz | 5788                                 | 643                    | NA                           | NA          |
| Intel Core i5-3337U @ 1.80GHz | 3222                                 | 1143                   | 14.32                        | \$225.00*   |
| Intel Core i5-3339Y @ 1.50GHz | 2203                                 | 1507                   | NA                           | NA          |
| Intel Core i5-3340 @ 3.10GHz  | 6086                                 | 613                    | 23.23                        | \$262.01    |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i5-3340M @ 2.70GHz  | 4252                                 | 910                    | 53.18                        | \$79.95*    |
| Intel Core i5-3340S @ 2.80GHz  | 5846                                 | 640                    | 39.24                        | \$148.99    |
| Intel Core i5-3350P @ 3.10GHz  | 6145                                 | 607                    | 40.97                        | \$149.99    |
| Intel Core i5-3360M @ 2.80GHz  | 4423                                 | 873                    | 47.66                        | \$92.81     |
| Intel Core i5-3380M @ 2.90GHz  | 4428                                 | 871                    | NA                           | NA          |
| Intel Core i5-3427U @ 1.80GHz  | 3548                                 | 1060                   | 8.45                         | \$420.05*   |
| Intel Core i5-3437U @ 1.90GHz  | 3632                                 | 1039                   | NA                           | NA          |
| Intel Core i5-3439Y @ 1.50GHz  | 2930                                 | 1241                   | NA                           | NA          |
| Intel Core i5-3450 @ 3.10GHz   | 6522                                 | 572                    | 51.36                        | \$126.99    |
| Intel Core i5-3450S @ 2.80GHz  | 6210                                 | 599                    | 62.11                        | \$99.99     |
| Intel Core i5-3470 @ 3.20GHz   | 6697                                 | 557                    | 63.82                        | \$104.95    |
| Intel Core i5-3470S @ 2.90GHz  | 6359                                 | 593                    | 44.79                        | \$142.00    |
| Intel Core i5-3470T @ 2.90GHz  | 4481                                 | 864                    | 19.83                        | \$226.00*   |
| Intel Core i5-3475S @ 2.90GHz  | 6612                                 | 567                    | 46.08                        | \$143.50*   |
| Intel Core i5-3550 @ 3.30GHz   | 6941                                 | 535                    | 21.04                        | \$329.95*   |
| Intel Core i5-3550S @ 3.00GHz  | 6902                                 | 540                    | 20.24                        | \$341.01*   |
| Intel Core i5-3570 @ 3.40GHz   | 7107                                 | 518                    | 50.77                        | \$139.99    |
| Intel Core i5-3570K @ 3.40GHz  | 7170                                 | 514                    | 50.15                        | \$142.99    |
| Intel Core i5-3570S @ 3.10GHz  | 6754                                 | 553                    | 23.70                        | \$285.00*   |
| Intel Core i5-3570T @ 2.30GHz  | 5901                                 | 633                    | NA                           | NA          |
| Intel Core i5-3610ME @ 2.70GHz | 3786                                 | 1002                   | NA                           | NA          |
| Intel Core i5-4200H @ 2.80GHz  | 4430                                 | 869                    | NA                           | NA          |
| Intel Core i5-4200M @ 2.50GHz  | 4039                                 | 944                    | 22.44                        | \$179.99*   |
| Intel Core i5-4200U @ 1.60GHz  | 3289                                 | 1125                   | NA                           | NA          |
| Intel Core i5-4200Y @ 1.40GHz  | 2407                                 | 1423                   | NA                           | NA          |
| Intel Core i5-4202Y @ 1.60GHz  | 2256                                 | 1486                   | NA                           | NA          |
| Intel Core i5-4210H @ 2.90GHz  | 4535                                 | 858                    | NA                           | NA          |
| Intel Core i5-4210M @ 2.60GHz  | 4192                                 | 917                    | 13.53                        | \$309.95*   |
| Intel Core i5-4210U @ 1.70GHz  | 3402                                 | 1095                   | NA                           | NA          |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i5-4210Y @ 1.50GHz  | 2380                                 | 1433                   | NA                           | NA          |
| Intel Core i5-4220Y @ 1.60GHz  | 2262                                 | 1485                   | NA                           | NA          |
| Intel Core i5-4230U @ 1.90GHz  | 2902                                 | 1256                   | NA                           | NA          |
| Intel Core i5-4250U @ 1.30GHz  | 3455                                 | 1084                   | 9.62                         | \$358.99*   |
| Intel Core i5-4258U @ 2.40GHz  | 4078                                 | 938                    | NA                           | NA          |
| Intel Core i5-4260U @ 1.40GHz  | 3557                                 | 1056                   | NA                           | NA          |
| Intel Core i5-4278U @ 2.60GHz  | 4362                                 | 887                    | NA                           | NA          |
| Intel Core i5-4288U @ 2.60GHz  | 4355                                 | 889                    | NA                           | NA          |
| Intel Core i5-4300M @ 2.60GHz  | 4405                                 | 877                    | NA                           | NA          |
| Intel Core i5-4300U @ 1.90GHz  | 3740                                 | 1015                   | NA                           | NA          |
| Intel Core i5-4300Y @ 1.60GHz  | 2484                                 | 1398                   | NA                           | NA          |
| Intel Core i5-4302Y @ 1.60GHz  | 2967                                 | 1228                   | NA                           | NA          |
| Intel Core i5-4308U @ 2.80GHz  | 4190                                 | 919                    | NA                           | NA          |
| Intel Core i5-4310M @ 2.70GHz  | 4629                                 | 831                    | NA                           | NA          |
| Intel Core i5-4310U @ 2.00GHz  | 3745                                 | 1014                   | NA                           | NA          |
| Intel Core i5-4330M @ 2.80GHz  | 4461                                 | 866                    | 16.23                        | \$274.99*   |
| Intel Core i5-4340M @ 2.90GHz  | 4810                                 | 802                    | NA                           | NA          |
| Intel Core i5-4350U @ 1.40GHz  | 3610                                 | 1042                   | NA                           | NA          |
| Intel Core i5-4400E @ 2.70GHz  | 4548                                 | 852                    | 17.10                        | \$266.00*   |
| Intel Core i5-4402E @ 1.60GHz  | 3947                                 | 966                    | NA                           | NA          |

| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i5-4422E @ 1.80GHz     | 2806                                 | 1284                   | 10.55                        | \$266.00*   |
| Intel Core i5-4430 @ 3.00GHz      | 6318                                 | 595                    | 36.38                        | \$173.70    |
| Intel Core i5-4430S @ 2.70GHz     | 5906                                 | 632                    | 37.15                        | \$158.99    |
| Intel Core i5-4440 @ 3.10GHz      | 6497                                 | 574                    | 38.22                        | \$169.99    |
| Intel Core i5-4440S @ 2.80GHz     | 6212                                 | 598                    | 13.42                        | \$462.97*   |
| Intel Core i5-4460 @ 3.20GHz      | 6708                                 | 556                    | 39.47                        | \$169.99    |
| Intel Core i5-4460S @ 2.90GHz     | 6402                                 | 590                    | 9.70                         | \$659.99*   |
| Intel Core i5-4460T @ 1.90GHz     | 4942                                 | 779                    | NA                           | NA          |
| Intel Core i5-4570 @ 3.20GHz      | 7123                                 | 517                    | 54.80                        | \$129.99    |
| Intel Core i5-4570R @ 2.70GHz     | 6760                                 | 551                    | NA                           | NA          |
| Intel Core i5-4570S @ 2.90GHz     | 6787                                 | 546                    | 31.72                        | \$213.99    |
| Intel Core i5-4570T @ 2.90GHz     | 4827                                 | 798                    | 32.40                        | \$148.99    |
| Intel Core i5-4570TE @ 2.70GHz    | 3827                                 | 989                    | 19.24                        | \$198.99    |
| Intel Core i5-4590 @ 3.30GHz      | 7303                                 | 503                    | 66.04                        | \$110.59    |
| Intel Core i5-4590S @ 3.00GHz     | 7022                                 | 528                    | 35.83                        | \$195.99    |
| Intel Core i5-4590T @ 2.00GHz     | 5602                                 | 668                    | NA                           | NA          |
| Intel Core i5-4670 @ 3.40GHz      | 7443                                 | 486                    | 43.53                        | \$171.00    |
| Intel Core i5-4670K @ 3.40GHz     | 7632                                 | 471                    | 31.80                        | \$240.00    |
| Intel Core i5-4670K CPT @ 3.40GHz | 7411                                 | 494                    | NA                           | NA          |
| Intel Core i5-4670R @ 3.00GHz     | 7419                                 | 492                    | 26.88                        | \$276.00*   |
| Intel Core i5-4670S @ 3.10GHz     | 6436                                 | 582                    | NA                           | NA          |
| Intel Core i5-4670T @ 2.30GHz     | 6206                                 | 600                    | 29.14                        | \$213.00*   |
| Intel Core i5-4690 @ 3.50GHz      | 7660                                 | 469                    | 42.56                        | \$179.99    |
| Intel Core i5-4690K @ 3.50GHz     | 7796                                 | 453                    | 38.98                        | \$199.99    |
| Intel Core i5-4690S @ 3.20GHz     | 7421                                 | 490                    | 27.49                        | \$269.94*   |
| Intel Core i5-4690T @ 2.50GHz     | 6478                                 | 577                    | NA                           | NA          |
| Intel Core i5-5200U @ 2.20GHz     | 3486                                 | 1077                   | NA                           | NA          |
| Intel Core i5-5250U @ 1.60GHz     | 3585                                 | 1050                   | 8.11                         | \$441.89*   |
| Intel Core i5-5257U @ 2.70GHz     | 4401                                 | 878                    | NA                           | NA          |
| CPU Name                          | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i5-5287U @ 2.90GHz     | 4681                                 | 820                    | NA                           | NA          |
| Intel Core i5-5300U @ 2.30GHz     | 3804                                 | 996                    | 7.38                         | \$515.73*   |
| Intel Core i5-5350U @ 1.80GHz     | 3517                                 | 1068                   | NA                           | NA          |
| Intel Core i5-5575R @ 2.80GHz     | 7434                                 | 487                    | NA                           | NA          |
| Intel Core i5-5675C @ 3.10GHz     | 8199                                 | 416                    | 20.50                        | \$399.99    |
| Intel Core i5-5675R @ 3.10GHz     | 8054                                 | 429                    | NA                           | NA          |
| Intel Core i5-6198DU @ 2.30GHz    | 4164                                 | 924                    | NA                           | NA          |
| Intel Core i5-6200U @ 2.30GHz     | 4015                                 | 949                    | NA                           | NA          |
| Intel Core i5-6260U @ 1.80GHz     | 4362                                 | 888                    | 8.41                         | \$518.99*   |
| Intel Core i5-6267U @ 2.90GHz     | 4989                                 | 770                    | NA                           | NA          |
| Intel Core i5-6287U @ 3.10GHz     | 4751                                 | 811                    | 15.63                        | \$304.00*   |
| Intel Core i5-6300HQ @ 2.30GHz    | 6079                                 | 616                    | NA                           | NA          |
| Intel Core i5-6300U @ 2.40GHz     | 4370                                 | 885                    | NA                           | NA          |
| Intel Core i5-6360U @ 2.00GHz     | 4880                                 | 787                    | NA                           | NA          |
| Intel Core i5-6400 @ 2.70GHz      | 6764                                 | 550                    | 33.83                        | \$199.99    |
| Intel Core i5-6400T @ 2.20GHz     | 5598                                 | 670                    | 28.42                        | \$197.00    |
| Intel Core i5-6402P @ 2.80GHz     | 7096                                 | 520                    | 37.35                        | \$189.99*   |
| Intel Core i5-6440EQ @ 2.70GHz    | 5778                                 | 645                    | NA                           | NA          |
| Intel Core i5-6440HQ @ 2.60GHz    | 6784                                 | 548                    | NA                           | NA          |
| Intel Core i5-6500 @ 3.20GHz      | 7241                                 | 506                    | 30.89                        | \$234.38    |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i5-6500T @ 2.50GHz  | 6270                                 | 596                    | NA                           | NA          |
| Intel Core i5-6500TE @ 2.30GHz | 6478                                 | 576                    | 30.85                        | \$209.99    |
| Intel Core i5-6600 @ 3.30GHz   | 7762                                 | 457                    | 35.28                        | \$219.99    |
| Intel Core i5-6600K @ 3.50GHz  | 8055                                 | 427                    | 27.97                        | \$287.99    |
| Intel Core i5-6600T @ 2.70GHz  | 7310                                 | 502                    | 41.78                        | \$174.99    |
| Intel Core i5-7200U @ 2.50GHz  | 4618                                 | 833                    | NA                           | NA          |
| Intel Core i5-7260U @ 2.20GHz  | 5674                                 | 661                    | NA                           | NA          |
| Intel Core i5-7267U @ 3.10GHz  | 5098                                 | 741                    | NA                           | NA          |
| Intel Core i5-7287U @ 3.30GHz  | 5656                                 | 664                    | NA                           | NA          |
| Intel Core i5-7300HQ @ 2.50GHz | 6804                                 | 545                    | NA                           | NA          |
| Intel Core i5-7300U @ 2.60GHz  | 5182                                 | 730                    | 11.27                        | \$459.99    |
| Intel Core i5-7360U @ 2.30GHz  | 5957                                 | 626                    | NA                           | NA          |
| Intel Core i5-7400 @ 3.00GHz   | 7350                                 | 496                    | 37.05                        | \$198.40    |
| Intel Core i5-7400T @ 2.40GHz  | 6427                                 | 585                    | 19.13                        | \$335.99    |
| Intel Core i5-7440HQ @ 2.80GHz | 7701                                 | 464                    | NA                           | NA          |
| Intel Core i5-7500 @ 3.40GHz   | 8023                                 | 431                    | 35.89                        | \$223.56    |
| Intel Core i5-7500T @ 2.70GHz  | 7037                                 | 527                    | 31.60                        | \$222.71    |
| Intel Core i5-7600 @ 3.50GHz   | 8773                                 | 379                    | 37.11                        | \$236.45    |
| Intel Core i5-7600K @ 3.80GHz  | 9128                                 | 344                    | 32.72                        | \$278.95    |
| Intel Core i5-7600T @ 2.80GHz  | 8097                                 | 425                    | 31.00                        | \$261.25    |
| Intel Core i5-7640X @ 4.00GHz  | 9605                                 | 303                    | 37.35                        | \$257.18    |
| Intel Core i5-8250U @ 1.60GHz  | 7668                                 | 467                    | NA                           | NA          |
| Intel Core i5-8259U @ 2.30GHz  | 10904                                | 220                    | NA                           | NA          |
| Intel Core i5-8265U @ 1.60GHz  | 7960                                 | 440                    | 26.80                        | \$297.00*   |
| Intel Core i5-8300H @ 2.30GHz  | 9433                                 | 320                    | 37.73                        | \$250.00*   |
| Intel Core i5-8305G @ 2.80GHz  | 9152                                 | 341                    | NA                           | NA          |
| Intel Core i5-8350U @ 1.70GHz  | 8232                                 | 413                    | 27.72                        | \$297.00*   |
| Intel Core i5-8400 @ 2.80GHz   | 11670                                | 200                    | 43.14                        | \$270.55    |
| Intel Core i5-8400H @ 2.50GHz  | 10375                                | 243                    | 41.50                        | \$250.00*   |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i5-8400T @ 1.70GHz  | 9577                                 | 305                    | 48.13                        | \$199.00    |
| Intel Core i5-8500 @ 3.00GHz   | 11921                                | 196                    | 49.88                        | \$239.00    |
| Intel Core i5-8500T @ 2.10GHz  | 10026                                | 271                    | 45.92                        | \$218.34*   |
| Intel Core i5-8600 @ 3.10GHz   | 12622                                | 177                    | 51.63                        | \$244.47*   |
| Intel Core i5-8600K @ 3.60GHz  | 12787                                | 172                    | 50.15                        | \$254.99    |
| Intel Core i5-8600T @ 2.30GHz  | 10913                                | 219                    | 29.18                        | \$373.99*   |
| Intel Core i5-9600K @ 3.70GHz  | 13517                                | 158                    | 50.07                        | \$269.99    |
| Intel Core i5-24050S @ 2.50GHz | 4928                                 | 782                    | NA                           | NA          |
| Intel Core i7-7Y75 @ 1.30GHz   | 3757                                 | 1009                   | NA                           | NA          |
| Intel Core i7-610 @ 2.53GHz    | 1969                                 | 1598                   | NA                           | NA          |
| Intel Core i7-610E @ 2.53GHz   | 2544                                 | 1371                   | NA                           | NA          |
| Intel Core i7-620LM @ 2.00GHz  | 1954                                 | 1605                   | NA                           | NA          |
| Intel Core i7-620M @ 2.67GHz   | 2723                                 | 1315                   | 24.76                        | \$110.01    |
| Intel Core i7-620UM @ 1.07GHz  | 1323                                 | 1917                   | NA                           | NA          |
| Intel Core i7-640LM @ 2.13GHz  | 2262                                 | 1484                   | NA                           | NA          |
| Intel Core i7-640M @ 2.80GHz   | 2831                                 | 1272                   | 14.16                        | \$199.95*   |
| Intel Core i7-640UM @ 1.20GHz  | 1658                                 | 1761                   | NA                           | NA          |
| Intel Core i7-660UM @ 1.33GHz  | 1745                                 | 1705                   | NA                           | NA          |
| Intel Core i7-680UM @ 1.47GHz  | 1710                                 | 1725                   | NA                           | NA          |
| Intel Core i7-720QM @ 1.60GHz  | 3013                                 | 1211                   | 27.41                        | \$109.95*   |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i7-740QM @ 1.73GHz  | 3199                                 | 1153                   | 29.10                        | \$109.95*   |
| Intel Core i7-820QM @ 1.73GHz  | 3227                                 | 1142                   | 23.22                        | \$139.00*   |
| Intel Core i7-840QM @ 1.87GHz  | 3402                                 | 1094                   | 11.73                        | \$289.97*   |
| Intel Core i7-860 @ 2.80GHz    | 5008                                 | 765                    | 17.28                        | \$289.95    |
| Intel Core i7-860S @ 2.53GHz   | 4711                                 | 815                    | 23.67                        | \$198.99    |
| Intel Core i7-870 @ 2.93GHz    | 5341                                 | 710                    | 53.96                        | \$98.99     |
| Intel Core i7-870S @ 2.67GHz   | 4969                                 | 772                    | NA                           | NA          |
| Intel Core i7-875K @ 2.93GHz   | 5429                                 | 694                    | 27.15                        | \$199.99    |
| Intel Core i7-880 @ 3.07GHz    | 5595                                 | 672                    | 9.60                         | \$583.00*   |
| Intel Core i7-920 @ 2.67GHz    | 4926                                 | 783                    | 28.31                        | \$174.00    |
| Intel Core i7-920XM @ 2.00GHz  | 3755                                 | 1010                   | 9.39                         | \$399.95*   |
| Intel Core i7-930 @ 2.80GHz    | 5143                                 | 734                    | 85.74                        | \$59.99*    |
| Intel Core i7-940 @ 2.93GHz    | 5355                                 | 706                    | 75.75                        | \$70.70     |
| Intel Core i7-940XM @ 2.13GHz  | 3945                                 | 968                    | NA                           | NA          |
| Intel Core i7-950 @ 3.07GHz    | 5556                                 | 676                    | 16.84                        | \$329.99*   |
| Intel Core i7-960 @ 3.20GHz    | 5816                                 | 642                    | 58.17                        | \$99.99     |
| Intel Core i7-965 @ 3.20GHz    | 5856                                 | 636                    | 41.83                        | \$139.99    |
| Intel Core i7-970 @ 3.20GHz    | 8377                                 | 402                    | 55.86                        | \$149.98    |
| Intel Core i7-975 @ 3.33GHz    | 6132                                 | 609                    | 12.31                        | \$498.02    |
| Intel Core i7-980 @ 3.33GHz    | 8668                                 | 388                    | 43.35                        | \$199.98    |
| Intel Core i7-980X @ 3.33GHz   | 8788                                 | 376                    | 39.95                        | \$219.98    |
| Intel Core i7-985 @ 3.47GHz    | 6641                                 | 562                    | NA                           | NA          |
| Intel Core i7-990X @ 3.47GHz   | 9086                                 | 349                    | 25.96                        | \$349.99    |
| Intel Core i7-995X @ 3.60GHz   | 9791                                 | 288                    | NA                           | NA          |
| Intel Core i7-2600 @ 3.40GHz   | 8194                                 | 417                    | 55.00                        | \$148.99    |
| Intel Core i7-2600K @ 3.40GHz  | 8445                                 | 398                    | 44.45                        | \$189.99    |
| Intel Core i7-2600S @ 2.80GHz  | 7073                                 | 523                    | 35.54                        | \$198.99    |
| Intel Core i7-2610UE @ 1.50GHz | 2481                                 | 1400                   | NA                           | NA          |
| Intel Core i7-2617M @ 1.50GHz  | 2818                                 | 1278                   | NA                           | NA          |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i7-2620M @ 2.70GHz  | 3837                                 | 985                    | 22.60                        | \$169.81    |
| Intel Core i7-2630QM @ 2.00GHz | 5531                                 | 680                    | 51.11                        | \$108.24*   |
| Intel Core i7-2630UM @ 1.60GHz | 2584                                 | 1357                   | NA                           | NA          |
| Intel Core i7-2635QM @ 2.00GHz | 5456                                 | 688                    | NA                           | NA          |
| Intel Core i7-2637M @ 1.70GHz  | 2909                                 | 1250                   | NA                           | NA          |
| Intel Core i7-2640M @ 2.80GHz  | 3936                                 | 971                    | 21.17                        | \$185.97*   |
| Intel Core i7-2655LE @ 2.20GHz | 3161                                 | 1166                   | NA                           | NA          |
| Intel Core i7-2670QM @ 2.20GHz | 5887                                 | 634                    | 22.73                        | \$259.00*   |
| Intel Core i7-2675QM @ 2.20GHz | 5543                                 | 678                    | NA                           | NA          |
| Intel Core i7-2677M @ 1.80GHz  | 2828                                 | 1273                   | NA                           | NA          |
| Intel Core i7-2700K @ 3.50GHz  | 8716                                 | 381                    | 43.58                        | \$199.99    |
| Intel Core i7-2710QE @ 2.10GHz | 5768                                 | 647                    | NA                           | NA          |
| Intel Core i7-2715QE @ 2.10GHz | 5365                                 | 704                    | NA                           | NA          |
| Intel Core i7-2720QM @ 2.20GHz | 6117                                 | 611                    | 32.21                        | \$189.95    |
| Intel Core i7-2760QM @ 2.40GHz | 6578                                 | 569                    | 41.16                        | \$159.81*   |
| Intel Core i7-2820QM @ 2.30GHz | 6633                                 | 563                    | 18.64                        | \$355.95    |
| Intel Core i7-2840QM @ 2.40GHz | 6766                                 | 549                    | NA                           | NA          |
| Intel Core i7-2860QM @ 2.50GHz | 6990                                 | 532                    | 11.65                        | \$599.99*   |
| Intel Core i7-2920XM @ 2.50GHz | 7038                                 | 526                    | 11.56                        | \$608.95*   |
| Intel Core i7-2960XM @ 2.70GHz | 7224                                 | 508                    | 17.62                        | \$409.95*   |



| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i7-3517U @ 1.90GHz  | 3589                                 | 1048                   | NA                           | NA          |
| Intel Core i7-3517UE @ 1.70GHz | 3323                                 | 1116                   | NA                           | NA          |
| Intel Core i7-3520M @ 2.90GHz  | 4540                                 | 855                    | 19.32                        | \$235.00*   |
| Intel Core i7-3537U @ 2.00GHz  | 3843                                 | 983                    | NA                           | NA          |
| Intel Core i7-3540M @ 3.00GHz  | 4661                                 | 824                    | 10.84                        | \$429.95*   |
| Intel Core i7-3555LE @ 2.50GHz | 4130                                 | 933                    | NA                           | NA          |
| Intel Core i7-3610QE @ 2.30GHz | 6451                                 | 580                    | NA                           | NA          |
| Intel Core i7-3610QM @ 2.30GHz | 7469                                 | 483                    | 18.67                        | \$399.99*   |
| Intel Core i7-3612QE @ 2.10GHz | 6622                                 | 566                    | NA                           | NA          |
| Intel Core i7-3612QM @ 2.10GHz | 6829                                 | 544                    | NA                           | NA          |
| Intel Core i7-3615QE @ 2.30GHz | 7340                                 | 498                    | NA                           | NA          |
| Intel Core i7-3615QM @ 2.30GHz | 7379                                 | 495                    | NA                           | NA          |
| Intel Core i7-3630QM @ 2.40GHz | 7585                                 | 475                    | 31.74                        | \$239.00*   |
| Intel Core i7-3632QM @ 2.20GHz | 6942                                 | 534                    | 20.72                        | \$335.00*   |
| Intel Core i7-3635QM @ 2.40GHz | 6676                                 | 558                    | NA                           | NA          |
| Intel Core i7-3667U @ 2.00GHz  | 3986                                 | 957                    | NA                           | NA          |
| Intel Core i7-3687U @ 2.10GHz  | 4180                                 | 921                    | NA                           | NA          |
| Intel Core i7-3689Y @ 1.50GHz  | 3220                                 | 1145                   | NA                           | NA          |
| Intel Core i7-3720QM @ 2.60GHz | 8123                                 | 423                    | 22.63                        | \$359.00    |
| Intel Core i7-3740QM @ 2.70GHz | 8326                                 | 406                    | 34.70                        | \$239.95*   |
| Intel Core i7-3770 @ 3.40GHz   | 9290                                 | 332                    | 58.07                        | \$159.99    |
| Intel Core i7-3770K @ 3.50GHz  | 9519                                 | 309                    | 38.23                        | \$248.98    |
| Intel Core i7-3770S @ 3.10GHz  | 8879                                 | 368                    | 80.73                        | \$109.99    |
| Intel Core i7-3770T @ 2.50GHz  | 8203                                 | 415                    | 24.86                        | \$329.99*   |
| Intel Core i7-3820 @ 3.60GHz   | 9000                                 | 359                    | 45.00                        | \$199.99    |
| Intel Core i7-3820QM @ 2.70GHz | 8442                                 | 399                    | 17.34                        | \$486.99*   |
| Intel Core i7-3840QM @ 2.80GHz | 8780                                 | 377                    | 26.21                        | \$335.00*   |
| Intel Core i7-3920XM @ 2.90GHz | 9149                                 | 342                    | 8.35                         | \$1,096.00* |
| Intel Core i7-3930K @ 3.20GHz  | 11988                                | 193                    | 30.05                        | \$398.98    |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i7-3940XM @ 3.00GHz | 9309                                 | 331                    | 17.27                        | \$539.00*   |
| Intel Core i7-3960X @ 3.30GHz  | 12611                                | 178                    | 15.76                        | \$799.99    |
| Intel Core i7-3970X @ 3.50GHz  | 12671                                | 175                    | 13.92                        | \$909.99*   |
| Intel Core i7-4500U @ 1.80GHz  | 3790                                 | 1000                   | NA                           | NA          |
| Intel Core i7-4510U @ 2.00GHz  | 3931                                 | 973                    | NA                           | NA          |
| Intel Core i7-4550U @ 1.50GHz  | 3713                                 | 1021                   | NA                           | NA          |
| Intel Core i7-4558U @ 2.80GHz  | 4373                                 | 884                    | NA                           | NA          |
| Intel Core i7-4560U @ 1.60GHz  | 4329                                 | 895                    | NA                           | NA          |
| Intel Core i7-4578U @ 3.00GHz  | 4758                                 | 810                    | NA                           | NA          |
| Intel Core i7-4600M @ 2.90GHz  | 4875                                 | 788                    | NA                           | NA          |
| Intel Core i7-4600U @ 2.10GHz  | 4106                                 | 937                    | NA                           | NA          |
| Intel Core i7-4610M @ 3.00GHz  | 4981                                 | 771                    | NA                           | NA          |
| Intel Core i7-4610Y @ 1.70GHz  | 3746                                 | 1013                   | NA                           | NA          |
| Intel Core i7-4650U @ 1.70GHz  | 3966                                 | 962                    | NA                           | NA          |
| Intel Core i7-4700EQ @ 2.40GHz | 7180                                 | 513                    | NA                           | NA          |
| Intel Core i7-4700HQ @ 2.40GHz | 7728                                 | 462                    | 20.18                        | \$383.00*   |
| Intel Core i7-4700MQ @ 2.40GHz | 7689                                 | 465                    | 40.69                        | \$189.00*   |
| Intel Core i7-4702HQ @ 2.20GHz | 7486                                 | 482                    | NA                           | NA          |
| Intel Core i7-4702MQ @ 2.20GHz | 7138                                 | 515                    | 21.23                        | \$336.25*   |
| Intel Core i7-4710HQ @ 2.50GHz | 7733                                 | 460                    | NA                           | NA          |



| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i7-4710MQ @ 2.50GHz | 7998                                 | 437                    | 29.45                        | \$271.57*   |
| Intel Core i7-4712HQ @ 2.30GHz | 7506                                 | 480                    | NA                           | NA          |
| Intel Core i7-4712MQ @ 2.30GHz | 7198                                 | 510                    | NA                           | NA          |
| Intel Core i7-4720HQ @ 2.60GHz | 8000                                 | 435                    | NA                           | NA          |
| Intel Core i7-4722HQ @ 2.40GHz | 8052                                 | 430                    | NA                           | NA          |
| Intel Core i7-4750HQ @ 2.00GHz | 8255                                 | 410                    | NA                           | NA          |
| Intel Core i7-4760HQ @ 2.10GHz | 8595                                 | 394                    | NA                           | NA          |
| Intel Core i7-4765T @ 2.00GHz  | 7312                                 | 501                    | 18.28                        | \$399.99    |
| Intel Core i7-4770 @ 3.40GHz   | 9786                                 | 290                    | 40.78                        | \$239.99    |
| Intel Core i7-4770HQ @ 2.20GHz | 8948                                 | 364                    | NA                           | NA          |
| Intel Core i7-4770K @ 3.50GHz  | 10093                                | 261                    | 35.42                        | \$284.99    |
| Intel Core i7-4770R @ 3.20GHz  | 9819                                 | 286                    | NA                           | NA          |
| Intel Core i7-4770S @ 3.10GHz  | 9333                                 | 328                    | 37.33                        | \$249.99    |
| Intel Core i7-4770T @ 2.50GHz  | 8624                                 | 392                    | 21.56                        | \$399.99    |
| Intel Core i7-4770TE @ 2.30GHz | 6732                                 | 555                    | NA                           | NA          |
| Intel Core i7-4771 @ 3.50GHz   | 9872                                 | 283                    | 32.91                        | \$299.99    |
| Intel Core i7-4785T @ 2.20GHz  | 7609                                 | 474                    | NA                           | NA          |
| Intel Core i7-4790 @ 3.60GHz   | 9990                                 | 275                    | 35.81                        | \$278.99    |
| Intel Core i7-4790K @ 4.00GHz  | 11182                                | 206                    | 36.43                        | \$306.99    |
| Intel Core i7-4790S @ 3.20GHz  | 9573                                 | 306                    | 24.00                        | \$398.99    |
| Intel Core i7-4790T @ 2.70GHz  | 9094                                 | 348                    | 25.33                        | \$359.00*   |
| Intel Core i7-4800MQ @ 2.70GHz | 8491                                 | 396                    | 16.65                        | \$509.95*   |
| Intel Core i7-4810MQ @ 2.80GHz | 8646                                 | 390                    | 20.35                        | \$424.95*   |
| Intel Core i7-4820K @ 3.70GHz  | 9722                                 | 296                    | 16.34                        | \$594.96    |
| Intel Core i7-4850HQ @ 2.30GHz | 9016                                 | 357                    | 20.78                        | \$434.00*   |
| Intel Core i7-4860EQ @ 1.80GHz | 7875                                 | 445                    | NA                           | NA          |
| Intel Core i7-4860HQ @ 2.40GHz | 9256                                 | 335                    | NA                           | NA          |
| Intel Core i7-4870HQ @ 2.50GHz | 9360                                 | 326                    | NA                           | NA          |
| Intel Core i7-4900MQ @ 2.80GHz | 9027                                 | 354                    | 15.39                        | \$586.67*   |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i7-4910MQ @ 2.90GHz | 9400                                 | 325                    | 20.44                        | \$459.95*   |
| Intel Core i7-4930K @ 3.40GHz  | 13016                                | 166                    | 21.72                        | \$599.39    |
| Intel Core i7-4930MX @ 3.00GHz | 9485                                 | 311                    | 8.65                         | \$1,096.00* |
| Intel Core i7-4940MX @ 3.10GHz | 9895                                 | 281                    | 16.22                        | \$609.95*   |
| Intel Core i7-4960HQ @ 2.60GHz | 9777                                 | 292                    | 15.69                        | \$623.00*   |
| Intel Core i7-4960X @ 3.60GHz  | 13789                                | 147                    | 17.91                        | \$769.99    |
| Intel Core i7-4980HQ @ 2.80GHz | 10253                                | 251                    | NA                           | NA          |
| Intel Core i7-5500U @ 2.40GHz  | 3970                                 | 961                    | NA                           | NA          |
| Intel Core i7-5550U @ 2.00GHz  | 4271                                 | 906                    | NA                           | NA          |
| Intel Core i7-5557U @ 3.10GHz  | 4943                                 | 778                    | 7.01                         | \$705.00*   |
| Intel Core i7-5600U @ 2.60GHz  | 4309                                 | 900                    | NA                           | NA          |
| Intel Core i7-5650U @ 2.20GHz  | 4224                                 | 914                    | NA                           | NA          |
| Intel Core i7-5675C @ 3.10GHz  | 8164                                 | 418                    | NA                           | NA          |
| Intel Core i7-5700EQ @ 2.60GHz | 8239                                 | 412                    | NA                           | NA          |
| Intel Core i7-5700HQ @ 2.70GHz | 8368                                 | 403                    | NA                           | NA          |
| Intel Core i7-5775C @ 3.30GHz  | 10997                                | 217                    | 24.44                        | \$449.99    |
| Intel Core i7-5775R @ 3.30GHz  | 10863                                | 221                    | NA                           | NA          |
| Intel Core i7-5820K @ 3.30GHz  | 12991                                | 167                    | 43.31                        | \$299.99    |
| Intel Core i7-5850EQ @ 2.70GHz | 9817                                 | 287                    | 22.57                        | \$435.00*   |
| Intel Core i7-5850HQ @ 2.70GHz | 9459                                 | 317                    | 21.80                        | \$434.00*   |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i7-5930K @ 3.50GHz  | 13632                                | 152                    | 27.32                        | \$498.98    |
| Intel Core i7-5950HQ @ 2.90GHz | 10932                                | 218                    | NA                           | NA          |
| Intel Core i7-5960X @ 3.00GHz  | 15947                                | 96                     | 20.71                        | \$769.99    |
| Intel Core i7-6498DU @ 2.50GHz | 4538                                 | 857                    | NA                           | NA          |
| Intel Core i7-6500U @ 2.50GHz  | 4427                                 | 872                    | NA                           | NA          |
| Intel Core i7-6560U @ 2.20GHz  | 4820                                 | 799                    | NA                           | NA          |
| Intel Core i7-6567U @ 3.30GHz  | 5648                                 | 665                    | NA                           | NA          |
| Intel Core i7-6600U @ 2.60GHz  | 4804                                 | 803                    | NA                           | NA          |
| Intel Core i7-6650U @ 2.20GHz  | 4953                                 | 777                    | NA                           | NA          |
| Intel Core i7-6700 @ 3.40GHz   | 10006                                | 274                    | 26.71                        | \$374.71    |
| Intel Core i7-6700HQ @ 2.60GHz | 8134                                 | 421                    | 21.52                        | \$378.00*   |
| Intel Core i7-6700K @ 4.00GHz  | 11111                                | 209                    | 33.67                        | \$329.99    |
| Intel Core i7-6700T @ 2.80GHz  | 9035                                 | 353                    | 25.45                        | \$355.00    |
| Intel Core i7-6700TE @ 2.40GHz | 8696                                 | 384                    | NA                           | NA          |
| Intel Core i7-6770HQ @ 2.60GHz | 9719                                 | 297                    | 9.70                         | \$1,001.88* |
| Intel Core i7-6800K @ 3.40GHz  | 13592                                | 156                    | 32.36                        | \$419.99    |
| Intel Core i7-6820EQ @ 2.80GHz | 8968                                 | 361                    | NA                           | NA          |
| Intel Core i7-6820HK @ 2.70GHz | 9119                                 | 345                    | NA                           | NA          |
| Intel Core i7-6820HQ @ 2.70GHz | 8780                                 | 378                    | NA                           | NA          |
| Intel Core i7-6822EQ @ 2.00GHz | 6427                                 | 586                    | NA                           | NA          |
| Intel Core i7-6850K @ 3.60GHz  | 14369                                | 132                    | 26.13                        | \$549.99    |
| Intel Core i7-6900K @ 3.20GHz  | 17698                                | 63                     | 14.76                        | \$1,198.99  |
| Intel Core i7-6920HQ @ 2.90GHz | 9622                                 | 302                    | 16.94                        | \$568.00*   |
| Intel Core i7-6950X @ 3.00GHz  | 19970                                | 40                     | 14.16                        | \$1,409.99  |
| Intel Core i7-7500U @ 2.70GHz  | 5170                                 | 732                    | NA                           | NA          |
| Intel Core i7-7560U @ 2.40GHz  | 5855                                 | 637                    | NA                           | NA          |
| Intel Core i7-7567U @ 3.50GHz  | 6502                                 | 573                    | NA                           | NA          |
| Intel Core i7-7600U @ 2.80GHz  | 5232                                 | 724                    | NA                           | NA          |
| Intel Core i7-7660U @ 2.50GHz  | 6033                                 | 621                    | NA                           | NA          |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core i7-7700 @ 3.60GHz   | 10751                                | 225                    | 34.86                        | \$308.42    |
| Intel Core i7-7700HQ @ 2.80GHz | 8839                                 | 374                    | NA                           | NA          |
| Intel Core i7-7700K @ 4.20GHz  | 12040                                | 191                    | 34.40                        | \$350.00    |
| Intel Core i7-7700T @ 2.90GHz  | 9175                                 | 338                    | 23.22                        | \$395.08*   |
| Intel Core i7-7740X @ 4.30GHz  | 12248                                | 185                    | 34.31                        | \$356.99    |
| Intel Core i7-7800X @ 3.50GHz  | 14529                                | 126                    | 38.34                        | \$378.99    |
| Intel Core i7-7820HK @ 2.90GHz | 10051                                | 269                    | NA                           | NA          |
| Intel Core i7-7820HQ @ 2.90GHz | 9349                                 | 327                    | 24.73                        | \$378.00*   |
| Intel Core i7-7820X @ 3.60GHz  | 18545                                | 55                     | 28.89                        | \$642.05    |
| Intel Core i7-7900X @ 3.30GHz  | 20046                                | 39                     | NA                           | NA          |
| Intel Core i7-7920HQ @ 3.10GHz | 10067                                | 267                    | NA                           | NA          |
| Intel Core i7-8086K @ 4.00GHz  | 16825                                | 75                     | 30.43                        | \$552.96*   |
| Intel Core i7-8500Y @ 1.50GHz  | 3590                                 | 1047                   | 9.14                         | \$393.00*   |
| Intel Core i7-8550U @ 1.80GHz  | 8327                                 | 405                    | NA                           | NA          |
| Intel Core i7-8559U @ 2.70GHz  | 11879                                | 197                    | NA                           | NA          |
| Intel Core i7-8565U @ 1.80GHz  | 9174                                 | 339                    | NA                           | NA          |
| Intel Core i7-8650U @ 1.90GHz  | 8854                                 | 371                    | NA                           | NA          |
| Intel Core i7-8700 @ 3.20GHz   | 15159                                | 112                    | 37.58                        | \$403.37    |
| Intel Core i7-8700K @ 3.70GHz  | 15961                                | 95                     | 43.14                        | \$369.99    |
| Intel Core i7-8700T @ 2.40GHz  | 12499                                | 179                    | 29.83                        | \$419.00    |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Core i7-8705G @ 3.10GHz   | 10077                                | 265                    | NA                           | NA          |
| Intel Core i7-8706G @ 3.10GHz   | 10510                                | 237                    | NA                           | NA          |
| Intel Core i7-8709G @ 3.10GHz   | 9536                                 | 308                    | NA                           | NA          |
| Intel Core i7-8750H @ 2.20GHz   | 12479                                | 180                    | 31.59                        | \$395.00*   |
| Intel Core i7-8809G @ 3.10GHz   | 11074                                | 213                    | NA                           | NA          |
| Intel Core i7-8850H @ 2.60GHz   | 13223                                | 164                    | 33.48                        | \$395.00*   |
| Intel Core i7-9700K @ 3.60GHz   | 17368                                | 67                     | 38.34                        | \$452.95    |
| Intel Core i9-7900X @ 3.30GHz   | 21992                                | 22                     | 15.72                        | \$1,399.00  |
| Intel Core i9-7920X @ 2.90GHz   | 23244                                | 17                     | 22.79                        | \$1,019.99  |
| Intel Core i9-7940X @ 3.10GHz   | 25464                                | 9                      | 20.77                        | \$1,226.01  |
| Intel Core i9-7960X @ 2.80GHz   | 25731                                | 8                      | 13.55                        | \$1,899.00  |
| Intel Core i9-7980XE @ 2.60GHz  | 27817                                | 4                      | 13.65                        | \$2,037.30  |
| Intel Core i9-8950HK @ 2.90GHz  | 14500                                | 127                    | 24.87                        | \$583.00*   |
| Intel Core i9-9900K @ 3.60GHz   | 20224                                | 37                     | 36.77                        | \$549.99    |
| Intel Core i9-9940X @ 3.30GHz   | 28121                                | 2                      | 20.27                        | \$1,387.00* |
| Intel Core m3-6Y30 @ 0.90GHz    | 3051                                 | 1199                   | NA                           | NA          |
| Intel Core m3-7Y30 @ 1.00GHz    | 3544                                 | 1063                   | NA                           | NA          |
| Intel Core m3-7Y32 @ 1.10GHz    | 2555                                 | 1370                   | NA                           | NA          |
| Intel Core m5-6Y54 @ 1.10GHz    | 3367                                 | 1108                   | NA                           | NA          |
| Intel Core m5-6Y57 @ 1.10GHz    | 3241                                 | 1138                   | NA                           | NA          |
| Intel Core m7-6Y75 @ 1.20GHz    | 3498                                 | 1073                   | NA                           | NA          |
| Intel Core M-5Y10 @ 0.80GHz     | 2722                                 | 1316                   | NA                           | NA          |
| Intel Core M-5Y10a @ 0.80GHz    | 2387                                 | 1430                   | NA                           | NA          |
| Intel Core M-5Y10c @ 0.80GHz    | 2817                                 | 1279                   | 10.03                        | \$281.00*   |
| Intel Core M-5Y31 @ 0.90GHz     | 2648                                 | 1336                   | NA                           | NA          |
| Intel Core M-5Y51 @ 1.10GHz     | 2477                                 | 1401                   | NA                           | NA          |
| Intel Core M-5Y70 @ 1.10GHz     | 3016                                 | 1210                   | NA                           | NA          |
| Intel Core M-5Y71 @ 1.20GHz     | 2991                                 | 1221                   | 10.65                        | \$281.00*   |
| Intel Core Solo T1300 @ 1.66GHz | 393                                  | 2494                   | NA                           | NA          |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Core Solo T1350 @ 1.86GHz | 396                                  | 2488                   | NA                           | NA          |
| Intel Core Solo T1400 @ 1.83GHz | 470                                  | 2406                   | NA                           | NA          |
| Intel Core Solo U1300 @ 1.06GHz | 271                                  | 2651                   | NA                           | NA          |
| Intel Core Solo U1400 @ 1.20GHz | 278                                  | 2643                   | NA                           | NA          |
| Intel Core Solo U1500 @ 1.33GHz | 330                                  | 2564                   | NA                           | NA          |
| Intel E3000 @ 3.40GHz           | 2767                                 | 1297                   | NA                           | NA          |
| Intel Pentium 4 1.40GHz         | 164                                  | 2751                   | NA                           | NA          |
| Intel Pentium 4 1.50GHz         | 131                                  | 2768                   | NA                           | NA          |
| Intel Pentium 4 1.60GHz         | 129                                  | 2770                   | NA                           | NA          |
| Intel Pentium 4 1.70GHz         | 132                                  | 2767                   | NA                           | NA          |
| Intel Pentium 4 1.80GHz         | 160                                  | 2754                   | NA                           | NA          |
| Intel Pentium 4 1.90GHz         | 159                                  | 2755                   | NA                           | NA          |
| Intel Pentium 4 2.00GHz         | 189                                  | 2733                   | NA                           | NA          |
| Intel Pentium 4 2.20GHz         | 210                                  | 2714                   | NA                           | NA          |
| Intel Pentium 4 2.26GHz         | 221                                  | 2703                   | NA                           | NA          |
| Intel Pentium 4 2.40GHz         | 228                                  | 2696                   | NA                           | NA          |
| Intel Pentium 4 2.50GHz         | 245                                  | 2680                   | NA                           | NA          |
| Intel Pentium 4 2.53GHz         | 248                                  | 2676                   | NA                           | NA          |
| Intel Pentium 4 2.60GHz         | 288                                  | 2622                   | NA                           | NA          |
| Intel Pentium 4 2.66GHz         | 254                                  | 2668                   | NA                           | NA          |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Pentium 4 2.80GHz         | 321                                  | 2570                   | NA                           | NA          |
| Intel Pentium 4 2.93GHz         | 299                                  | 2604                   | NA                           | NA          |
| Intel Pentium 4 3.00GHz         | 353                                  | 2540                   | NA                           | NA          |
| Intel Pentium 4 3.06GHz         | 347                                  | 2545                   | NA                           | NA          |
| Intel Pentium 4 3.20GHz         | 374                                  | 2510                   | NA                           | NA          |
| Intel Pentium 4 3.40GHz         | 396                                  | 2490                   | NA                           | NA          |
| Intel Pentium 4 3.46GHz         | 487                                  | 2386                   | NA                           | NA          |
| Intel Pentium 4 3.60GHz         | 488                                  | 2385                   | NA                           | NA          |
| Intel Pentium 4 3.73GHz         | 486                                  | 2389                   | NA                           | NA          |
| Intel Pentium 4 3.80GHz         | 485                                  | 2392                   | NA                           | NA          |
| Intel Pentium 4 3.83GHz         | 195                                  | 2728                   | NA                           | NA          |
| Intel Pentium 4 4.00GHz         | 184                                  | 2739                   | NA                           | NA          |
| Intel Pentium 4 1300MHz         | 119                                  | 2774                   | NA                           | NA          |
| Intel Pentium 4 1400MHz         | 127                                  | 2771                   | NA                           | NA          |
| Intel Pentium 4 1500MHz         | 125                                  | 2772                   | NA                           | NA          |
| Intel Pentium 4 1600MHz         | 193                                  | 2732                   | 0.30                         | \$647.45*   |
| Intel Pentium 4 1700MHz         | 154                                  | 2758                   | NA                           | NA          |
| Intel Pentium 4 1800MHz         | 162                                  | 2753                   | NA                           | NA          |
| Intel Pentium 4 Mobile 1.40GHz  | 149                                  | 2761                   | NA                           | NA          |
| Intel Pentium 4 Mobile 1.50GHz  | 197                                  | 2727                   | NA                           | NA          |
| Intel Pentium 4 Mobile 1.60GHz  | 178                                  | 2744                   | NA                           | NA          |
| Intel Pentium 4 Mobile 1.70GHz  | 208                                  | 2716                   | NA                           | NA          |
| Intel Pentium 4 Mobile 1.80GHz  | 175                                  | 2747                   | NA                           | NA          |
| Intel Pentium 4 Mobile 1.90GHz  | 209                                  | 2715                   | NA                           | NA          |
| Intel Pentium 4 Mobile 2.00GHz  | 202                                  | 2723                   | NA                           | NA          |
| Intel Pentium 5 2.66GHz         | 705                                  | 2267                   | NA                           | NA          |
| Intel Pentium 957 @ 1.20GHz     | 1095                                 | 2048                   | 8.18                         | \$134.00*   |
| Intel Pentium 967 @ 1.30GHz     | 1160                                 | 2015                   | NA                           | NA          |
| Intel Pentium 977 @ 1.40GHz     | 1148                                 | 2020                   | NA                           | NA          |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Pentium 987 @ 1.50GHz     | 1226                                 | 1977                   | NA                           | NA          |
| Intel Pentium 997 @ 1.60GHz     | 1395                                 | 1879                   | NA                           | NA          |
| Intel Pentium 1403 @ 2.60GHz    | 2742                                 | 1307                   | NA                           | NA          |
| Intel Pentium 1403 v2 @ 2.60GHz | 3018                                 | 1209                   | NA                           | NA          |
| Intel Pentium 2020M @ 2.40GHz   | 2281                                 | 1476                   | 17.02                        | \$134.00*   |
| Intel Pentium 2030M @ 2.50GHz   | 2417                                 | 1418                   | 18.04                        | \$134.00*   |
| Intel Pentium 2117U @ 1.80GHz   | 1660                                 | 1760                   | 12.39                        | \$134.00*   |
| Intel Pentium 2127U @ 1.90GHz   | 1819                                 | 1678                   | 13.58                        | \$134.00*   |
| Intel Pentium 2129Y @ 1.10GHz   | 1057                                 | 2073                   | 7.89                         | \$134.00*   |
| Intel Pentium 3550M @ 2.30GHz   | 2304                                 | 1458                   | NA                           | NA          |
| Intel Pentium 3556U @ 1.70GHz   | 1702                                 | 1733                   | NA                           | NA          |
| Intel Pentium 3558U @ 1.70GHz   | 1686                                 | 1743                   | NA                           | NA          |
| Intel Pentium 3560M @ 2.40GHz   | 2240                                 | 1493                   | NA                           | NA          |
| Intel Pentium 3560Y @ 1.20GHz   | 1266                                 | 1958                   | NA                           | NA          |
| Intel Pentium 3805U @ 1.90GHz   | 1980                                 | 1593                   | NA                           | NA          |
| Intel Pentium 3825U @ 1.90GHz   | 2526                                 | 1379                   | NA                           | NA          |
| Intel Pentium 4405U @ 2.10GHz   | 2928                                 | 1243                   | NA                           | NA          |
| Intel Pentium 4405Y @ 1.50GHz   | 2059                                 | 1562                   | NA                           | NA          |
| Intel Pentium 4410Y @ 1.50GHz   | 2056                                 | 1565                   | 12.78                        | \$161.00*   |
| Intel Pentium 4415U @ 2.30GHz   | 3141                                 | 1173                   | NA                           | NA          |

| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Pentium 4415Y @ 1.60GHz               | 2207                                 | 1503                   | 13.71                        | \$161.00*   |
| Intel Pentium A1018 @ 2.10GHz               | 1605                                 | 1788                   | NA                           | NA          |
| Intel Pentium B940 @ 2.00GHz                | 1723                                 | 1715                   | 57.58                        | \$29.94*    |
| Intel Pentium B950 @ 2.10GHz                | 1712                                 | 1722                   | NA                           | NA          |
| Intel Pentium B960 @ 2.20GHz                | 1853                                 | 1657                   | 37.83                        | \$48.99*    |
| Intel Pentium B970 @ 2.30GHz                | 1959                                 | 1603                   | 38.42                        | \$50.99*    |
| Intel Pentium B980 @ 2.40GHz                | 2035                                 | 1571                   | 29.10                        | \$69.95*    |
| Intel Pentium D1508 @ 2.20GHz               | 3813                                 | 994                    | 29.56                        | \$129.00*   |
| Intel Pentium D 805 @ 2.66GHz               | 535                                  | 2353                   | NA                           | NA          |
| Intel Pentium D 830 @ 3.00GHz               | 642                                  | 2296                   | NA                           | NA          |
| Intel Pentium D 915 @ 2.80GHz               | 582                                  | 2325                   | NA                           | NA          |
| Intel Pentium D 940 @ 3.20GHz               | 709                                  | 2264                   | NA                           | NA          |
| Intel Pentium D 950 @ 3.40GHz               | 743                                  | 2248                   | NA                           | NA          |
| Intel Pentium D 960 @ 3.60GHz               | 817                                  | 2215                   | NA                           | NA          |
| Intel Pentium E2140 @ 1.60GHz               | 869                                  | 2187                   | 3.86                         | \$225.00    |
| Intel Pentium E2160 @ 1.80GHz               | 996                                  | 2110                   | 76.96                        | \$12.95     |
| Intel Pentium E2180 @ 2.00GHz               | 1088                                 | 2053                   | 54.43                        | \$19.99     |
| Intel Pentium E2200 @ 2.20GHz               | 1204                                 | 1989                   | 16.06                        | \$75.00     |
| Intel Pentium E2210 @ 2.20GHz               | 1174                                 | 2003                   | NA                           | NA          |
| Intel Pentium E2220 @ 2.40GHz               | 1331                                 | 1913                   | 2.54                         | \$525.00    |
| Intel Pentium E5200 @ 2.50GHz               | 1488                                 | 1842                   | 16.55                        | \$89.95     |
| Intel Pentium E5300 @ 2.60GHz               | 1538                                 | 1816                   | 77.12                        | \$19.95     |
| Intel Pentium E5400 @ 2.70GHz               | 1597                                 | 1796                   | 79.91                        | \$19.99     |
| Intel Pentium E5500 @ 2.80GHz               | 1640                                 | 1769                   | 195.49                       | \$8.39      |
| Intel Pentium E5700 @ 3.00GHz               | 1738                                 | 1708                   | 115.98                       | \$14.99     |
| Intel Pentium E5800 @ 3.20GHz               | 1896                                 | 1636                   | 63.25                        | \$29.99     |
| Intel Pentium E6300 @ 2.80GHz               | 1708                                 | 1727                   | 3.02                         | \$565.00    |
| Intel Pentium E6500 @ 2.93GHz               | 1761                                 | 1696                   | 7.83                         | \$225.00    |
| Intel Pentium E6600 @ 3.06GHz               | 1874                                 | 1649                   | 18.75                        | \$100.00*   |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Pentium E6700 @ 3.20GHz               | 1942                                 | 1609                   | 114.36                       | \$16.99     |
| Intel Pentium E6800 @ 3.33GHz               | 1977                                 | 1595                   | 39.56                        | \$49.99     |
| Intel Pentium Extreme Edition 955 @ 3.46GHz | 912                                  | 2171                   | 1.20                         | \$759.00*   |
| Intel Pentium Extreme Edition 965 @ 3.73GHz | 969                                  | 2128                   | NA                           | NA          |
| Intel Pentium G620 @ 2.60GHz                | 2294                                 | 1467                   | 91.82                        | \$24.99     |
| Intel Pentium G620T @ 2.20GHz               | 2028                                 | 1573                   | 25.36                        | \$79.99*    |
| Intel Pentium G630 @ 2.70GHz                | 2372                                 | 1436                   | 94.95                        | \$24.99     |
| Intel Pentium G630T @ 2.30GHz               | 2122                                 | 1538                   | 26.54                        | \$79.99*    |
| Intel Pentium G640 @ 2.80GHz                | 2534                                 | 1376                   | 101.42                       | \$24.99     |
| Intel Pentium G640T @ 2.40GHz               | 1898                                 | 1634                   | NA                           | NA          |
| Intel Pentium G645 @ 2.90GHz                | 2586                                 | 1356                   | 27.23                        | \$95.00*    |
| Intel Pentium G645T @ 2.50GHz               | 2289                                 | 1468                   | NA                           | NA          |
| Intel Pentium G840 @ 2.80GHz                | 2563                                 | 1367                   | 73.27                        | \$34.99*    |
| Intel Pentium G850 @ 2.90GHz                | 2662                                 | 1331                   | 88.78                        | \$29.99     |
| Intel Pentium G860 @ 3.00GHz                | 2741                                 | 1308                   | 91.43                        | \$29.99     |
| Intel Pentium G870 @ 3.10GHz                | 2826                                 | 1275                   | 29.14                        | \$97.00*    |
| Intel Pentium G2010 @ 2.80GHz               | 2593                                 | 1353                   | 74.33                        | \$34.89     |
| Intel Pentium G2020 @ 2.90GHz               | 2762                                 | 1300                   | 84.07                        | \$32.86     |
| Intel Pentium G2020T @ 2.50GHz              | 2466                                 | 1404                   | 51.81                        | \$47.60*    |
| Intel Pentium G2030 @ 3.00GHz               | 2870                                 | 1265                   | 70.02                        | \$40.99     |

| CPU Name                            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|-------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Pentium G2030T @ 2.60GHz      | 2504                                 | 1392                   | 39.13                        | \$64.00*    |
| Intel Pentium G2100T @ 2.60GHz      | 2802                                 | 1286                   | NA                           | NA          |
| Intel Pentium G2120 @ 3.10GHz       | 3081                                 | 1190                   | 67.01                        | \$45.99     |
| Intel Pentium G2130 @ 3.20GHz       | 3213                                 | 1149                   | 64.28                        | \$49.99     |
| Intel Pentium G2140 @ 3.30GHz       | 3384                                 | 1103                   | 40.30                        | \$84.00     |
| Intel Pentium G3220 @ 3.00GHz       | 3133                                 | 1176                   | 26.12                        | \$119.95*   |
| Intel Pentium G3220T @ 2.60GHz      | 2567                                 | 1366                   | 36.68                        | \$69.99     |
| Intel Pentium G3240 @ 3.10GHz       | 3159                                 | 1169                   | 39.49                        | \$79.99     |
| Intel Pentium G3240T @ 2.70GHz      | 2874                                 | 1264                   | NA                           | NA          |
| Intel Pentium G3250 @ 3.20GHz       | 3254                                 | 1131                   | 29.59                        | \$109.99*   |
| Intel Pentium G3250T @ 2.80GHz      | 2969                                 | 1227                   | 33.00                        | \$89.99     |
| Intel Pentium G3258 @ 3.20GHz       | 3888                                 | 976                    | 20.65                        | \$188.28    |
| Intel Pentium G3260 @ 3.30GHz       | 3374                                 | 1106                   | 32.14                        | \$104.99    |
| Intel Pentium G3260T @ 2.90GHz      | 2930                                 | 1240                   | 32.56                        | \$89.99     |
| Intel Pentium G3320TE @ 2.30GHz     | 2389                                 | 1428                   | NA                           | NA          |
| Intel Pentium G3420 @ 3.20GHz       | 3404                                 | 1093                   | 30.96                        | \$109.99*   |
| Intel Pentium G3420T @ 2.70GHz      | 3008                                 | 1213                   | 28.58                        | \$105.25*   |
| Intel Pentium G3430 @ 3.30GHz       | 3395                                 | 1101                   | 37.74                        | \$89.99     |
| Intel Pentium G3440 @ 3.30GHz       | 3304                                 | 1123                   | 20.66                        | \$159.94*   |
| Intel Pentium G3440T @ 2.80GHz      | 3101                                 | 1185                   | NA                           | NA          |
| Intel Pentium G3450 @ 3.40GHz       | 3704                                 | 1024                   | 37.04                        | \$99.99     |
| Intel Pentium G3450T @ 2.90GHz      | 2967                                 | 1229                   | NA                           | NA          |
| Intel Pentium G3460 @ 3.50GHz       | 3593                                 | 1045                   | 12.47                        | \$288.20*   |
| Intel Pentium G3470 @ 3.60GHz       | 3706                                 | 1022                   | 35.54                        | \$104.29*   |
| Intel Pentium G4400 @ 3.30GHz       | 3557                                 | 1057                   | 46.81                        | \$75.99     |
| Intel Pentium G4400T @ 2.90GHz      | 3219                                 | 1146                   | NA                           | NA          |
| Intel Pentium G4400TE @ 2.40GHz     | 2885                                 | 1262                   | 45.09                        | \$64.00*    |
| Intel Pentium G4500 @ 3.50GHz       | 3794                                 | 998                    | 40.60                        | \$93.44     |
| Intel Pentium G4500T @ 3.00GHz      | 3471                                 | 1080                   | NA                           | NA          |
| CPU Name                            | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Pentium G4520 @ 3.60GHz       | 4184                                 | 920                    | 43.64                        | \$95.88     |
| Intel Pentium G4560 @ 3.50GHz       | 4873                                 | 789                    | 48.74                        | \$99.99     |
| Intel Pentium G4560T @ 2.90GHz      | 4047                                 | 942                    | 40.48                        | \$99.99     |
| Intel Pentium G4600 @ 3.60GHz       | 5093                                 | 743                    | 62.88                        | \$80.99     |
| Intel Pentium G4600T @ 3.00GHz      | 4272                                 | 904                    | 42.97                        | \$99.44*    |
| Intel Pentium G4620 @ 3.70GHz       | 5205                                 | 726                    | 47.00                        | \$110.75    |
| Intel Pentium G6950 @ 2.80GHz       | 1859                                 | 1655                   | 189.89                       | \$9.79      |
| Intel Pentium G6951 @ 2.80GHz       | 2140                                 | 1527                   | 22.77                        | \$94.00*    |
| Intel Pentium G6960 @ 2.93GHz       | 2083                                 | 1555                   | NA                           | NA          |
| Intel Pentium Gold G5400 @ 3.70GHz  | 5224                                 | 725                    | 39.66                        | \$131.73    |
| Intel Pentium Gold G5400T @ 3.10GHz | 5048                                 | 755                    | 78.89                        | \$64.00*    |
| Intel Pentium Gold G5500 @ 3.80GHz  | 5247                                 | 722                    | 48.22                        | \$108.83    |
| Intel Pentium Gold G5500T @ 3.20GHz | 4577                                 | 846                    | 61.03                        | \$75.00*    |
| Intel Pentium Gold G5600 @ 3.90GHz  | 5707                                 | 655                    | 49.86                        | \$114.48    |
| Intel Pentium III 933S @ 933MHz     | 238                                  | 2689                   | NA                           | NA          |
| Intel Pentium III 1133 @ 1133MHz    | 284                                  | 2628                   | NA                           | NA          |
| Intel Pentium III 1200 @ 1200MHz    | 278                                  | 2642                   | NA                           | NA          |
| Intel Pentium III 1266S @ 1266MHz   | 309                                  | 2586                   | NA                           | NA          |
| Intel Pentium III 1400 @ 1400MHz    | 297                                  | 2607                   | NA                           | NA          |
| Intel Pentium III 1400S @ 1400MHz   | 299                                  | 2603                   | NA                           | NA          |



| CPU Name                             | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|--------------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Pentium III Mobile 750MHz      | 103                                     | 2777                      | NA                              | NA             |
| Intel Pentium III Mobile 800MHz      | 182                                     | 2742                      | NA                              | NA             |
| Intel Pentium III Mobile 866MHz      | 152                                     | 2759                      | NA                              | NA             |
| Intel Pentium III Mobile 933MHz      | 218                                     | 2705                      | 7.55                            | \$28.99*       |
| Intel Pentium III Mobile 1000MHz     | 245                                     | 2679                      | NA                              | NA             |
| Intel Pentium III Mobile 1066MHz     | 246                                     | 2678                      | NA                              | NA             |
| Intel Pentium III Mobile 1133MHz     | 251                                     | 2672                      | NA                              | NA             |
| Intel Pentium III Mobile 1200MHz     | 243                                     | 2686                      | NA                              | NA             |
| Intel Pentium J2850 @ 2.41GHz        | 1839                                    | 1668                      | NA                              | NA             |
| Intel Pentium J2900 @ 2.41GHz        | 1960                                    | 1602                      | NA                              | NA             |
| Intel Pentium J3710 @ 1.60GHz        | 1932                                    | 1614                      | NA                              | NA             |
| Intel Pentium J4205 @ 1.50GHz        | 2300                                    | 1465                      | NA                              | NA             |
| Intel Pentium M 1.10GHz              | 282                                     | 2633                      | NA                              | NA             |
| Intel Pentium M 1.20GHz              | 298                                     | 2605                      | NA                              | NA             |
| Intel Pentium M 1.30GHz              | 301                                     | 2597                      | NA                              | NA             |
| Intel Pentium M 1.40GHz              | 345                                     | 2549                      | NA                              | NA             |
| Intel Pentium M 1.50GHz              | 366                                     | 2524                      | NA                              | NA             |
| Intel Pentium M 1.60GHz              | 364                                     | 2529                      | NA                              | NA             |
| Intel Pentium M 1.70GHz              | 406                                     | 2473                      | NA                              | NA             |
| Intel Pentium M 1.73GHz              | 412                                     | 2463                      | NA                              | NA             |
| Intel Pentium M 1.80GHz              | 409                                     | 2466                      | NA                              | NA             |
| Intel Pentium M 1.86GHz              | 438                                     | 2441                      | NA                              | NA             |
| Intel Pentium M 2.00GHz              | 462                                     | 2413                      | NA                              | NA             |
| Intel Pentium M 2.10GHz              | 448                                     | 2428                      | NA                              | NA             |
| Intel Pentium M 2.13GHz              | 505                                     | 2373                      | NA                              | NA             |
| Intel Pentium M 2.26GHz              | 509                                     | 2371                      | NA                              | NA             |
| Intel Pentium M 756 @ 1.66GHz        | 484                                     | 2397                      | NA                              | NA             |
| Intel Pentium M 900MHz               | 217                                     | 2708                      | NA                              | NA             |
| Intel Pentium M 1000MHz              | 233                                     | 2693                      | NA                              | NA             |
| CPU Name                             | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Pentium M 1100MHz              | 259                                     | 2663                      | NA                              | NA             |
| Intel Pentium M 1200MHz              | 237                                     | 2690                      | NA                              | NA             |
| Intel Pentium M 1300MHz              | 303                                     | 2592                      | NA                              | NA             |
| Intel Pentium M 1400MHz              | 321                                     | 2571                      | NA                              | NA             |
| Intel Pentium M 1500MHz              | 354                                     | 2537                      | NA                              | NA             |
| Intel Pentium M 1600MHz              | 332                                     | 2561                      | NA                              | NA             |
| Intel Pentium M 1700MHz              | 376                                     | 2509                      | NA                              | NA             |
| Intel Pentium N3510 @ 1.99GHz        | 1519                                    | 1828                      | NA                              | NA             |
| Intel Pentium N3520 @ 2.16GHz        | 1803                                    | 1681                      | NA                              | NA             |
| Intel Pentium N3530 @ 2.16GHz        | 1892                                    | 1638                      | NA                              | NA             |
| Intel Pentium N3540 @ 2.16GHz        | 1930                                    | 1616                      | 7.69                            | \$250.87*      |
| Intel Pentium N3700 @ 1.60GHz        | 1833                                    | 1671                      | 4.12                            | \$444.78*      |
| Intel Pentium N3710 @ 1.60GHz        | 1862                                    | 1653                      | NA                              | NA             |
| Intel Pentium N4200 @ 1.10GHz        | 2011                                    | 1583                      | 9.56                            | \$210.48       |
| Intel Pentium P6000 @ 1.87GHz        | 1248                                    | 1968                      | NA                              | NA             |
| Intel Pentium P6100 @ 2.00GHz        | 1327                                    | 1915                      | 110.67                          | \$12.00*       |
| Intel Pentium P6200 @ 2.13GHz        | 1348                                    | 1906                      | 30.01                           | \$44.95*       |
| Intel Pentium P6300 @ 2.27GHz        | 1380                                    | 1887                      | NA                              | NA             |
| Intel Pentium Silver J5005 @ 1.50GHz | 2920                                    | 1246                      | 13.28                           | \$219.92*      |
| Intel Pentium SU2700 @ 1.30GHz       | 405                                     | 2474                      | NA                              | NA             |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Pentium SU4100 @ 1.30GHz | 859                                  | 2194                   | NA                           | NA          |
| Intel Pentium T1080 @ 1.73GHz  | 842                                  | 2201                   | NA                           | NA          |
| Intel Pentium T2060 @ 1.60GHz  | 662                                  | 2285                   | NA                           | NA          |
| Intel Pentium T2080 @ 1.73GHz  | 707                                  | 2266                   | 4.42                         | \$159.95*   |
| Intel Pentium T2130 @ 1.86GHz  | 710                                  | 2263                   | NA                           | NA          |
| Intel Pentium T2310 @ 1.46GHz  | 730                                  | 2252                   | NA                           | NA          |
| Intel Pentium T2330 @ 1.60GHz  | 834                                  | 2207                   | NA                           | NA          |
| Intel Pentium T2370 @ 1.73GHz  | 841                                  | 2203                   | 24.04                        | \$35.00*    |
| Intel Pentium T2390 @ 1.86GHz  | 944                                  | 2148                   | NA                           | NA          |
| Intel Pentium T2410 @ 2.00GHz  | 996                                  | 2111                   | NA                           | NA          |
| Intel Pentium T3200 @ 2.00GHz  | 1029                                 | 2084                   | 85.82                        | \$12.00*    |
| Intel Pentium T3400 @ 2.16GHz  | 1114                                 | 2035                   | 12.39                        | \$89.95*    |
| Intel Pentium T4200 @ 2.00GHz  | 1146                                 | 2023                   | 95.56                        | \$12.00*    |
| Intel Pentium T4300 @ 2.10GHz  | 1234                                 | 1973                   | NA                           | NA          |
| Intel Pentium T4400 @ 2.20GHz  | 1282                                 | 1946                   | NA                           | NA          |
| Intel Pentium T4500 @ 2.30GHz  | 1336                                 | 1912                   | NA                           | NA          |
| Intel Pentium U5400 @ 1.20GHz  | 812                                  | 2219                   | NA                           | NA          |
| Intel Pentium U5600 @ 1.33GHz  | 943                                  | 2149                   | NA                           | NA          |
| Intel T1200 @ 1.50GHz          | 435                                  | 2447                   | NA                           | NA          |
| Intel T1400 @ 1.73GHz          | 929                                  | 2157                   | NA                           | NA          |
| Intel T1500 @ 1.86GHz          | 953                                  | 2141                   | NA                           | NA          |
| Intel T2050 @ 2.00GHz          | 959                                  | 2138                   | NA                           | NA          |
| Intel Xeon 2.00GHz             | 233                                  | 2692                   | NA                           | NA          |
| Intel XEON 2.20GHz             | 252                                  | 2670                   | NA                           | NA          |
| Intel Xeon 2.40GHz             | 276                                  | 2645                   | 30.35                        | \$9.10*     |
| Intel Xeon 2.66GHz             | 435                                  | 2446                   | NA                           | NA          |
| Intel Xeon 2.80GHz             | 400                                  | 2484                   | NA                           | NA          |
| Intel Xeon 3.00GHz             | 391                                  | 2497                   | NA                           | NA          |
| Intel Xeon 3.06GHz             | 491                                  | 2381                   | NA                           | NA          |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon 3.20GHz             | 461                                  | 2416                   | NA                           | NA          |
| Intel Xeon 3.40GHz             | 478                                  | 2400                   | NA                           | NA          |
| Intel Xeon 3.60GHz             | 509                                  | 2370                   | 0.60                         | \$851.00*   |
| Intel Xeon 3.73GHz             | 1041                                 | 2080                   | NA                           | NA          |
| Intel Xeon 3.80GHz             | 604                                  | 2315                   | 0.71                         | \$851.00*   |
| Intel Xeon 1500MHz             | 193                                  | 2731                   | NA                           | NA          |
| Intel Xeon 3040 @ 1.86GHz      | 1284                                 | 1943                   | 51.31                        | \$25.04*    |
| Intel Xeon 3050 @ 2.13GHz      | 1313                                 | 1921                   | 8.32                         | \$157.95*   |
| Intel Xeon 3060 @ 2.40GHz      | 1518                                 | 1829                   | 66.07                        | \$22.99     |
| Intel Xeon 3065 @ 2.33GHz      | 1520                                 | 1823                   | 72.77                        | \$20.90*    |
| Intel Xeon 3070 @ 2.66GHz      | 1776                                 | 1690                   | 4.34                         | \$408.95*   |
| Intel Xeon 3075 @ 2.66GHz      | 1840                                 | 1666                   | 5.26                         | \$349.95*   |
| Intel Xeon 3085 @ 3.00GHz      | 1570                                 | 1808                   | NA                           | NA          |
| Intel Xeon 5110 @ 1.60GHz      | 1079                                 | 2064                   | 6.75                         | \$159.95*   |
| Intel Xeon 5120 @ 1.86GHz      | 1248                                 | 1969                   | 0.77                         | \$1,628.48  |
| Intel Xeon 5130 @ 2.00GHz      | 1378                                 | 1889                   | 103.95                       | \$13.26*    |
| Intel Xeon 5133 @ 2.20GHz      | 1598                                 | 1794                   | NA                           | NA          |
| Intel Xeon 5140 @ 2.33GHz      | 1639                                 | 1771                   | 50.57                        | \$32.42*    |
| Intel Xeon 5148 @ 2.33GHz      | 1590                                 | 1800                   | 121.17                       | \$13.13*    |
| Intel Xeon 5150 @ 2.66GHz      | 1747                                 | 1703                   | 3.83                         | \$455.95*   |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon 5160 @ 3.00GHz        | 1964                                 | 1600                   | 153.27                       | \$12.82*    |
| Intel Xeon @ 2.20GHz             | 1902                                 | 1627                   | NA                           | NA          |
| Intel Xeon Bronze 3104 @ 1.70GHz | 5446                                 | 691                    | 23.05                        | \$236.34    |
| Intel Xeon D-1518 @ 2.20GHz      | 5322                                 | 712                    | NA                           | NA          |
| Intel Xeon D-1520 @ 2.20GHz      | 5755                                 | 649                    | NA                           | NA          |
| Intel Xeon D-1521 @ 2.40GHz      | 6980                                 | 533                    | NA                           | NA          |
| Intel Xeon D-1528 @ 1.90GHz      | 7946                                 | 442                    | NA                           | NA          |
| Intel Xeon D-1531 @ 2.20GHz      | 9730                                 | 295                    | 27.96                        | \$348.00*   |
| Intel Xeon D-1537 @ 1.70GHz      | 7731                                 | 461                    | 13.54                        | \$571.00*   |
| Intel Xeon D-1540 @ 2.00GHz      | 10573                                | 234                    | NA                           | NA          |
| Intel Xeon D-1541 @ 2.10GHz      | 11056                                | 214                    | NA                           | NA          |
| Intel Xeon D-1559 @ 1.50GHz      | 8055                                 | 428                    | NA                           | NA          |
| Intel Xeon D-1567 @ 2.10GHz      | 14693                                | 120                    | NA                           | NA          |
| Intel Xeon D-1587 @ 1.70GHz      | 13950                                | 143                    | NA                           | NA          |
| Intel Xeon D-2123IT @ 2.20GHz    | 8140                                 | 420                    | 38.22                        | \$213.00*   |
| Intel Xeon D-2143IT @ 2.20GHz    | 13816                                | 145                    | 24.41                        | \$566.00*   |
| Intel Xeon D-2183IT @ 2.20GHz    | 18252                                | 58                     | 10.35                        | \$1,764.00* |
| Intel Xeon E3-1220 @ 3.10GHz     | 6084                                 | 614                    | 16.49                        | \$369.00    |
| Intel Xeon E3-1220 V2 @ 3.10GHz  | 6673                                 | 559                    | 20.28                        | \$329.11    |
| Intel Xeon E3-1220 v3 @ 3.10GHz  | 7098                                 | 519                    | 29.47                        | \$240.88    |
| Intel Xeon E3-1220 v5 @ 3.00GHz  | 7740                                 | 459                    | 29.47                        | \$262.64    |
| Intel Xeon E3-1220 v6 @ 3.00GHz  | 7976                                 | 438                    | 37.10                        | \$214.99    |
| Intel Xeon E3-1220L @ 2.20GHz    | 3563                                 | 1055                   | NA                           | NA          |
| Intel Xeon E3-1220L V2 @ 2.30GHz | 4419                                 | 874                    | NA                           | NA          |
| Intel Xeon E3-1220L v3 @ 1.10GHz | 2110                                 | 1544                   | NA                           | NA          |
| Intel Xeon E3-1225 @ 3.10GHz     | 5909                                 | 631                    | 33.77                        | \$175.00*   |
| Intel Xeon E3-1225 V2 @ 3.20GHz  | 6851                                 | 542                    | 22.99                        | \$298.00    |
| Intel Xeon E3-1225 v3 @ 3.20GHz  | 7208                                 | 509                    | 15.73                        | \$458.34*   |
| Intel Xeon E3-1225 v5 @ 3.30GHz  | 7833                                 | 449                    | 29.23                        | \$268.04    |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E3-1225 v6 @ 3.30GHz  | 8294                                 | 408                    | 35.30                        | \$234.99    |
| Intel Xeon E3-1226 v3 @ 3.30GHz  | 7530                                 | 478                    | 11.80                        | \$638.00    |
| Intel Xeon E3-1230 @ 3.20GHz     | 7848                                 | 448                    | 41.52                        | \$189.00    |
| Intel Xeon E3-1230 V2 @ 3.30GHz  | 8855                                 | 370                    | 25.15                        | \$352.10    |
| Intel Xeon E3-1230 v3 @ 3.30GHz  | 9324                                 | 329                    | 35.64                        | \$261.66*   |
| Intel Xeon E3-1230 v5 @ 3.40GHz  | 9778                                 | 291                    | 23.98                        | \$407.87    |
| Intel Xeon E3-1230 v6 @ 3.50GHz  | 9644                                 | 300                    | 37.09                        | \$259.99    |
| Intel Xeon E3-1230L v3 @ 1.80GHz | 7231                                 | 507                    | 25.12                        | \$287.90*   |
| Intel Xeon E3-1231 v3 @ 3.40GHz  | 9627                                 | 301                    | 37.25                        | \$258.44*   |
| Intel Xeon E3-1235 @ 3.20GHz     | 7680                                 | 466                    | 31.48                        | \$244.00*   |
| Intel Xeon E3-1235L v5 @ 2.00GHz | 6470                                 | 579                    | NA                           | NA          |
| Intel Xeon E3-1240 @ 3.30GHz     | 7958                                 | 441                    | 30.03                        | \$265.00    |
| Intel Xeon E3-1240 V2 @ 3.40GHz  | 9133                                 | 343                    | 16.92                        | \$539.95    |
| Intel Xeon E3-1240 v3 @ 3.40GHz  | 9679                                 | 299                    | 25.18                        | \$384.40*   |
| Intel Xeon E3-1240 v5 @ 3.50GHz  | 10400                                | 242                    | 30.44                        | \$341.67*   |
| Intel Xeon E3-1240 v6 @ 3.70GHz  | 10148                                | 256                    | 35.00                        | \$289.99    |
| Intel Xeon E3-1240L v3 @ 2.00GHz | 7510                                 | 479                    | NA                           | NA          |
| Intel Xeon E3-1240L v5 @ 2.10GHz | 7793                                 | 454                    | 28.03                        | \$278.00*   |
| Intel Xeon E3-1241 v3 @ 3.50GHz  | 10013                                | 273                    | 12.92                        | \$775.00    |
| Intel Xeon E3-1245 @ 3.30GHz     | 8019                                 | 432                    | 30.84                        | \$260.00    |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E3-1245 V2 @ 3.40GHz  | 9118                                 | 346                    | 15.01                        | \$607.59    |
| Intel Xeon E3-1245 v3 @ 3.40GHz  | 9580                                 | 304                    | 28.18                        | \$339.95*   |
| Intel Xeon E3-1245 v5 @ 3.50GHz  | 10191                                | 253                    | 29.52                        | \$345.31*   |
| Intel Xeon E3-1245 v6 @ 3.70GHz  | 10535                                | 235                    | 33.99                        | \$309.99    |
| Intel Xeon E3-1246 v3 @ 3.50GHz  | 9852                                 | 285                    | 11.87                        | \$830.00    |
| Intel Xeon E3-1260L @ 2.40GHz    | 6534                                 | 571                    | 76.32                        | \$85.62*    |
| Intel Xeon E3-1260L v5 @ 2.90GHz | 10083                                | 263                    | 20.21                        | \$499.00    |
| Intel Xeon E3-1265L @ 2.40GHz    | 6038                                 | 619                    | 6.58                         | \$918.35*   |
| Intel Xeon E3-1265L V2 @ 2.50GHz | 7785                                 | 455                    | 54.67                        | \$142.42*   |
| Intel Xeon E3-1265L v3 @ 2.50GHz | 8722                                 | 380                    | 12.29                        | \$709.95    |
| Intel Xeon E3-1265L v4 @ 2.30GHz | 9060                                 | 351                    | NA                           | NA          |
| Intel Xeon E3-1268L v3 @ 2.30GHz | 7850                                 | 447                    | NA                           | NA          |
| Intel Xeon E3-1268L v5 @ 2.40GHz | 8695                                 | 385                    | 23.06                        | \$377.00*   |
| Intel Xeon E3-1270 @ 3.40GHz     | 8239                                 | 411                    | 25.99                        | \$317.00*   |
| Intel Xeon E3-1270 V2 @ 3.50GHz  | 9473                                 | 314                    | 33.57                        | \$282.22    |
| Intel Xeon E3-1270 v3 @ 3.50GHz  | 9898                                 | 280                    | 26.75                        | \$369.99*   |
| Intel Xeon E3-1270 v5 @ 3.60GHz  | 10338                                | 248                    | 29.87                        | \$346.16    |
| Intel Xeon E3-1270 v6 @ 3.80GHz  | 11135                                | 207                    | 33.38                        | \$333.61    |
| Intel Xeon E3-1271 v3 @ 3.60GHz  | 10092                                | 262                    | 11.36                        | \$888.00*   |
| Intel Xeon E3-1275 @ 3.40GHz     | 8348                                 | 404                    | 27.02                        | \$309.00    |
| Intel Xeon E3-1275 V2 @ 3.50GHz  | 9445                                 | 319                    | 23.93                        | \$394.72    |
| Intel Xeon E3-1275 v3 @ 3.50GHz  | 9891                                 | 282                    | 24.67                        | \$400.99*   |
| Intel Xeon E3-1275 v5 @ 3.60GHz  | 10357                                | 246                    | 18.43                        | \$562.00    |
| Intel Xeon E3-1275 v6 @ 3.80GHz  | 11113                                | 208                    | 30.20                        | \$367.97    |
| Intel Xeon E3-1275L v3 @ 2.70GHz | 8874                                 | 369                    | NA                           | NA          |
| Intel Xeon E3-1276 v3 @ 3.60GHz  | 10170                                | 255                    | 7.99                         | \$1,273.00  |
| Intel Xeon E3-1280 @ 3.50GHz     | 8473                                 | 397                    | 23.03                        | \$368.00    |
| Intel Xeon E3-1280 V2 @ 3.60GHz  | 9470                                 | 315                    | 11.02                        | \$859.00    |
| Intel Xeon E3-1280 v3 @ 3.60GHz  | 9747                                 | 294                    | 13.98                        | \$697.36*   |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E3-1280 v5 @ 3.70GHz  | 10666                                | 231                    | 15.46                        | \$690.01*   |
| Intel Xeon E3-1280 v6 @ 3.90GHz  | 11371                                | 203                    | 24.53                        | \$463.61    |
| Intel Xeon E3-1281 v3 @ 3.70GHz  | 10349                                | 247                    | 11.79                        | \$877.75*   |
| Intel Xeon E3-1285 v3 @ 3.60GHz  | 10359                                | 245                    | NA                           | NA          |
| Intel Xeon E3-1285 v4 @ 3.50GHz  | 10641                                | 232                    | NA                           | NA          |
| Intel Xeon E3-1285 v6 @ 4.10GHz  | 11955                                | 195                    | 26.57                        | \$450.00*   |
| Intel Xeon E3-1285L v3 @ 3.10GHz | 9981                                 | 276                    | 12.35                        | \$808.02    |
| Intel Xeon E3-1285L v4 @ 3.40GHz | 11048                                | 215                    | NA                           | NA          |
| Intel Xeon E3-1286 v3 @ 3.70GHz  | 9899                                 | 279                    | 11.80                        | \$839.00*   |
| Intel Xeon E3-1286L v3 @ 3.20GHz | 10129                                | 258                    | 13.09                        | \$774.00*   |
| Intel Xeon E3-1290 @ 3.60GHz     | 8699                                 | 383                    | 9.83                         | \$885.00*   |
| Intel Xeon E3-1290 V2 @ 3.70GHz  | 9709                                 | 298                    | 10.97                        | \$885.00*   |
| Intel Xeon E3-1505L v5 @ 2.00GHz | 7082                                 | 522                    | NA                           | NA          |
| Intel Xeon E3-1505M v5 @ 2.80GHz | 8914                                 | 367                    | NA                           | NA          |
| Intel Xeon E3-1505M v6 @ 3.00GHz | 9860                                 | 284                    | NA                           | NA          |
| Intel Xeon E3-1515M v5 @ 2.80GHz | 10509                                | 238                    | NA                           | NA          |
| Intel Xeon E3-1535M v5 @ 2.90GHz | 9312                                 | 330                    | NA                           | NA          |
| Intel Xeon E3-1535M v6 @ 3.10GHz | 10582                                | 233                    | NA                           | NA          |
| Intel Xeon E3-1545M v5 @ 2.90GHz | 10451                                | 240                    | NA                           | NA          |
| Intel Xeon E3-1575M v5 @ 3.00GHz | 10755                                | 224                    | NA                           | NA          |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E3-1585 v5 @ 3.50GHz  | 10743                                | 228                    | NA                           | NA          |
| Intel Xeon E3-1585L v5 @ 3.00GHz | 10689                                | 229                    | 24.02                        | \$445.00*   |
| Intel Xeon E5-1410 @ 2.80GHz     | 7312                                 | 500                    | NA                           | NA          |
| Intel Xeon E5-1410 v2 @ 2.80GHz  | 7430                                 | 488                    | NA                           | NA          |
| Intel Xeon E5-1603 @ 2.80GHz     | 5546                                 | 677                    | 33.62                        | \$164.99*   |
| Intel Xeon E5-1603 v3 @ 2.80GHz  | 6165                                 | 606                    | NA                           | NA          |
| Intel Xeon E5-1603 v4 @ 2.80GHz  | 6420                                 | 587                    | NA                           | NA          |
| Intel Xeon E5-1607 @ 3.00GHz     | 5874                                 | 635                    | 267.16                       | \$21.99*    |
| Intel Xeon E5-1607 v2 @ 3.00GHz  | 6199                                 | 602                    | 19.81                        | \$313.00*   |
| Intel Xeon E5-1607 v3 @ 3.10GHz  | 6939                                 | 536                    | NA                           | NA          |
| Intel Xeon E5-1607 v4 @ 3.10GHz  | 7249                                 | 505                    | NA                           | NA          |
| Intel Xeon E5-1620 @ 3.60GHz     | 9059                                 | 352                    | 27.46                        | \$329.93*   |
| Intel Xeon E5-1620 v2 @ 3.70GHz  | 9454                                 | 318                    | 28.74                        | \$329.00*   |
| Intel Xeon E5-1620 v3 @ 3.50GHz  | 9755                                 | 293                    | 27.20                        | \$358.70*   |
| Intel Xeon E5-1620 v4 @ 3.50GHz  | 9952                                 | 277                    | 32.53                        | \$305.95    |
| Intel Xeon E5-1630 v3 @ 3.70GHz  | 10277                                | 250                    | 17.19                        | \$597.85*   |
| Intel Xeon E5-1630 v4 @ 3.70GHz  | 10302                                | 249                    | NA                           | NA          |
| Intel Xeon E5-1650 @ 3.20GHz     | 11745                                | 199                    | 67.12                        | \$175.00    |
| Intel Xeon E5-1650 v2 @ 3.50GHz  | 12720                                | 173                    | 83.03                        | \$153.20    |
| Intel Xeon E5-1650 v3 @ 3.50GHz  | 13613                                | 155                    | 20.63                        | \$660.00    |
| Intel Xeon E5-1650 v4 @ 3.60GHz  | 14224                                | 135                    | 22.58                        | \$629.99*   |
| Intel Xeon E5-1660 @ 3.30GHz     | 12369                                | 182                    | 10.08                        | \$1,226.66* |
| Intel Xeon E5-1660 v2 @ 3.70GHz  | 13654                                | 151                    | 7.55                         | \$1,808.95* |
| Intel Xeon E5-1660 v3 @ 3.00GHz  | 14565                                | 125                    | 9.01                         | \$1,616.49* |
| Intel Xeon E5-1660 v4 @ 3.20GHz  | 16192                                | 89                     | 13.17                        | \$1,229.52  |
| Intel Xeon E5-1680 v2 @ 3.00GHz  | 16345                                | 82                     | NA                           | NA          |
| Intel Xeon E5-1680 v3 @ 3.20GHz  | 16633                                | 77                     | NA                           | NA          |
| Intel Xeon E5-1680 v4 @ 3.40GHz  | 17093                                | 70                     | NA                           | NA          |
| Intel Xeon E5-1681 v3 @ 2.90GHz  | 18238                                | 59                     | NA                           | NA          |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E5-2403 @ 1.80GHz     | 3523                                 | 1067                   | 9.66                         | \$364.97    |
| Intel Xeon E5-2403 v2 @ 1.80GHz  | 3418                                 | 1091                   | 18.09                        | \$189.00    |
| Intel Xeon E5-2407 @ 2.20GHz     | 3944                                 | 969                    | 11.77                        | \$335.04    |
| Intel Xeon E5-2407 v2 @ 2.40GHz  | 4575                                 | 847                    | 9.61                         | \$476.31*   |
| Intel Xeon E5-2418L @ 2.00GHz    | 5202                                 | 727                    | NA                           | NA          |
| Intel Xeon E5-2420 @ 1.90GHz     | 7045                                 | 525                    | 18.06                        | \$390.02    |
| Intel Xeon E5-2420 v2 @ 2.20GHz  | 8629                                 | 391                    | 14.88                        | \$579.95*   |
| Intel Xeon E5-2430 @ 2.20GHz     | 6878                                 | 541                    | 9.44                         | \$728.95    |
| Intel Xeon E5-2430 v2 @ 2.50GHz  | 8833                                 | 375                    | 15.77                        | \$559.99    |
| Intel Xeon E5-2430L @ 2.00GHz    | 7269                                 | 504                    | 69.90                        | \$103.99*   |
| Intel Xeon E5-2430L v2 @ 2.40GHz | 6627                                 | 564                    | NA                           | NA          |
| Intel Xeon E5-2440 @ 2.40GHz     | 9178                                 | 337                    | 187.82                       | \$48.87     |
| Intel Xeon E5-2440 v2 @ 1.90GHz  | 9425                                 | 321                    | 18.48                        | \$509.95*   |
| Intel Xeon E5-2448L v2 @ 1.80GHz | 8954                                 | 362                    | 6.29                         | \$1,424.00* |
| Intel Xeon E5-2450 @ 2.10GHz     | 10186                                | 254                    | 14.10                        | \$722.22*   |
| Intel Xeon E5-2450L @ 1.80GHz    | 8261                                 | 409                    | 63.55                        | \$130.00*   |
| Intel Xeon E5-2470 @ 2.30GHz     | 10061                                | 268                    | 31.77                        | \$316.72*   |
| Intel Xeon E5-2470 v2 @ 2.40GHz  | 12836                                | 169                    | 5.70                         | \$2,250.00* |
| Intel Xeon E5-2603 @ 1.80GHz     | 3580                                 | 1052                   | 16.61                        | \$215.55    |
| Intel Xeon E5-2603 v2 @ 1.80GHz  | 3766                                 | 1006                   | 96.35                        | \$39.09     |



| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E5-2603 v3 @ 1.60GHz  | 5172                                 | 731                    | 14.48                        | \$357.33    |
| Intel Xeon E5-2603 v4 @ 1.70GHz  | 5451                                 | 689                    | 23.70                        | \$229.99*   |
| Intel Xeon E5-2608L v3 @ 2.00GHz | 7857                                 | 446                    | 17.82                        | \$441.00*   |
| Intel Xeon E5-2609 @ 2.40GHz     | 4616                                 | 834                    | 59.18                        | \$78.00*    |
| Intel Xeon E5-2609 v2 @ 2.50GHz  | 5149                                 | 733                    | 10.10                        | \$509.95*   |
| Intel Xeon E5-2609 v3 @ 1.90GHz  | 5940                                 | 629                    | 9.60                         | \$619.04    |
| Intel Xeon E5-2609 v4 @ 1.70GHz  | 6917                                 | 538                    | 19.23                        | \$359.73*   |
| Intel Xeon E5-2618L v3 @ 2.30GHz | 12186                                | 187                    | NA                           | NA          |
| Intel Xeon E5-2618L v4 @ 2.20GHz | 14592                                | 124                    | 18.73                        | \$779.00*   |
| Intel Xeon E5-2620 @ 2.00GHz     | 7923                                 | 444                    | 184.35                       | \$42.98     |
| Intel Xeon E5-2620 v2 @ 2.10GHz  | 8702                                 | 382                    | 37.84                        | \$230.00    |
| Intel Xeon E5-2620 v3 @ 2.40GHz  | 10020                                | 272                    | 27.16                        | \$369.00    |
| Intel Xeon E5-2620 v4 @ 2.10GHz  | 11365                                | 204                    | 25.83                        | \$439.98    |
| Intel Xeon E5-2623 v3 @ 3.00GHz  | 8937                                 | 366                    | 22.07                        | \$404.99*   |
| Intel Xeon E5-2623 v4 @ 2.60GHz  | 8208                                 | 414                    | 14.95                        | \$549.00*   |
| Intel Xeon E5-2628L v2 @ 1.90GHz | 9405                                 | 324                    | NA                           | NA          |
| Intel Xeon E5-2628L v3 @ 2.00GHz | 11965                                | 194                    | NA                           | NA          |
| Intel Xeon E5-2628L v4 @ 1.90GHz | 13268                                | 162                    | 9.73                         | \$1,364.00* |
| Intel Xeon E5-2629 v3 @ 2.40GHz  | 11022                                | 216                    | NA                           | NA          |
| Intel Xeon E5-2630 @ 2.30GHz     | 8839                                 | 373                    | 69.12                        | \$127.89    |
| Intel Xeon E5-2630 v2 @ 2.60GHz  | 10409                                | 241                    | 17.07                        | \$609.95    |
| Intel Xeon E5-2630 v3 @ 2.40GHz  | 12804                                | 171                    | 26.18                        | \$489.00    |
| Intel Xeon E5-2630 v4 @ 2.20GHz  | 13884                                | 144                    | 21.04                        | \$659.99    |
| Intel Xeon E5-2630L @ 2.00GHz    | 8001                                 | 434                    | NA                           | NA          |
| Intel Xeon E5-2630L v2 @ 2.40GHz | 9283                                 | 334                    | NA                           | NA          |
| Intel Xeon E5-2630L v3 @ 1.80GHz | 9476                                 | 313                    | 12.60                        | \$751.92*   |
| Intel Xeon E5-2630L v4 @ 1.80GHz | 12847                                | 168                    | NA                           | NA          |
| Intel Xeon E5-2637 v2 @ 3.50GHz  | 9406                                 | 323                    | 15.47                        | \$608.00    |
| Intel Xeon E5-2637 v3 @ 3.50GHz  | 10128                                | 259                    | 7.82                         | \$1,295.95* |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E5-2637 v4 @ 3.50GHz  | 10468                                | 239                    | 9.82                         | \$1,065.92  |
| Intel Xeon E5-2640 @ 2.50GHz     | 9512                                 | 310                    | 77.61                        | \$122.56    |
| Intel Xeon E5-2640 v2 @ 2.00GHz  | 9904                                 | 278                    | 102.81                       | \$96.34*    |
| Intel Xeon E5-2640 v3 @ 2.60GHz  | 13978                                | 142                    | 11.14                        | \$1,254.25  |
| Intel Xeon E5-2640 v4 @ 2.40GHz  | 15331                                | 109                    | 16.36                        | \$936.99    |
| Intel Xeon E5-2643 @ 3.30GHz     | 8423                                 | 400                    | 11.07                        | \$760.99    |
| Intel Xeon E5-2643 v2 @ 3.50GHz  | 12824                                | 170                    | 4.85                         | \$2,641.75* |
| Intel Xeon E5-2643 v3 @ 3.40GHz  | 13801                                | 146                    | 18.71                        | \$737.82    |
| Intel Xeon E5-2643 v4 @ 3.40GHz  | 13618                                | 154                    | 8.31                         | \$1,638.35  |
| Intel Xeon E5-2648L v3 @ 1.80GHz | 11392                                | 202                    | 8.38                         | \$1,360.26* |
| Intel Xeon E5-2648L v4 @ 1.80GHz | 13654                                | 150                    | NA                           | NA          |
| Intel Xeon E5-2649 v3 @ 2.30GHz  | 14677                                | 121                    | NA                           | NA          |
| Intel Xeon E5-2650 @ 2.00GHz     | 10145                                | 257                    | 82.52                        | \$122.95    |
| Intel Xeon E5-2650 v2 @ 2.60GHz  | 13104                                | 165                    | 24.27                        | \$539.90    |
| Intel Xeon E5-2650 v3 @ 2.30GHz  | 14841                                | 118                    | 7.38                         | \$2,009.92* |
| Intel Xeon E5-2650 v4 @ 2.20GHz  | 15912                                | 97                     | 12.44                        | \$1,279.07* |
| Intel Xeon E5-2650L @ 1.80GHz    | 8676                                 | 387                    | 54.26                        | \$159.90*   |
| Intel Xeon E5-2650L v3 @ 1.80GHz | 13513                                | 159                    | 13.38                        | \$1,010.00* |
| Intel Xeon E5-2650L v4 @ 1.70GHz | 14093                                | 138                    | 9.42                         | \$1,496.00* |
| Intel Xeon E5-2651 v2 @ 1.80GHz  | 11275                                | 205                    | NA                           | NA          |



| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E5-2658 @ 2.10GHz     | 9484                                 | 312                    | 6.49                         | \$1,462.00* |
| Intel Xeon E5-2658 v2 @ 2.40GHz  | 14128                                | 137                    | NA                           | NA          |
| Intel Xeon E5-2658 v3 @ 2.20GHz  | 16298                                | 88                     | NA                           | NA          |
| Intel Xeon E5-2658 v4 @ 2.30GHz  | 16754                                | 76                     | NA                           | NA          |
| Intel Xeon E5-2660 @ 2.20GHz     | 11098                                | 211                    | 108.81                       | \$102.00    |
| Intel Xeon E5-2660 v2 @ 2.20GHz  | 13479                                | 160                    | 63.28                        | \$213.01    |
| Intel Xeon E5-2660 v3 @ 2.60GHz  | 16184                                | 90                     | 8.95                         | \$1,808.95  |
| Intel Xeon E5-2660 v4 @ 2.00GHz  | 17069                                | 72                     | 9.70                         | \$1,760.00* |
| Intel Xeon E5-2663 v3 @ 2.80GHz  | 13994                                | 141                    | NA                           | NA          |
| Intel Xeon E5-2665 @ 2.40GHz     | 11599                                | 201                    | 67.97                        | \$170.65    |
| Intel Xeon E5-2667 @ 2.90GHz     | 10367                                | 244                    | 45.87                        | \$226.00*   |
| Intel Xeon E5-2667 v2 @ 3.30GHz  | 16303                                | 87                     | 21.35                        | \$763.56    |
| Intel Xeon E5-2667 v3 @ 3.20GHz  | 16119                                | 91                     | 7.13                         | \$2,259.95* |
| Intel Xeon E5-2667 v4 @ 3.20GHz  | 16447                                | 80                     | 7.46                         | \$2,205.57  |
| Intel Xeon E5-2670 @ 2.60GHz     | 12137                                | 188                    | 124.75                       | \$97.30     |
| Intel Xeon E5-2670 v2 @ 2.50GHz  | 14966                                | 117                    | 30.61                        | \$489.00*   |
| Intel Xeon E5-2670 v3 @ 2.30GHz  | 16331                                | 83                     | 10.39                        | \$1,572.00* |
| Intel Xeon E5-2673 v2 @ 3.30GHz  | 16320                                | 84                     | NA                           | NA          |
| Intel Xeon E5-2673 v3 @ 2.40GHz  | 17071                                | 71                     | 24.39                        | \$700.00*   |
| Intel Xeon E5-2673 v4 @ 2.30GHz  | 21474                                | 28                     | NA                           | NA          |
| Intel Xeon E5-2675 v3 @ 1.80GHz  | 15156                                | 113                    | NA                           | NA          |
| Intel Xeon E5-2676 v3 @ 2.40GHz  | 17659                                | 64                     | NA                           | NA          |
| Intel Xeon E5-2678 v3 @ 2.50GHz  | 16905                                | 74                     | NA                           | NA          |
| Intel Xeon E5-2679 v4 @ 2.50GHz  | 25266                                | 11                     | 9.35                         | \$2,702.00* |
| Intel Xeon E5-2680 @ 2.70GHz     | 12638                                | 176                    | 113.00                       | \$111.84    |
| Intel Xeon E5-2680 v2 @ 2.80GHz  | 15804                                | 103                    | 44.69                        | \$353.67    |
| Intel Xeon E5-2680 v3 @ 2.50GHz  | 18615                                | 53                     | 9.30                         | \$2,001.00  |
| Intel Xeon E5-2680 v4 @ 2.40GHz  | 19886                                | 43                     | 11.28                        | \$1,762.90* |
| Intel Xeon E5-2682 v4 @ 2.50GHz  | 21066                                | 33                     | NA                           | NA          |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E5-2683 v3 @ 2.00GHz  | 17411                                | 66                     | 8.77                         | \$1,984.99* |
| Intel Xeon E5-2683 v4 @ 2.10GHz  | 19047                                | 49                     | 9.12                         | \$2,087.48* |
| Intel Xeon E5-2685 v3 @ 2.60GHz  | 15004                                | 115                    | NA                           | NA          |
| Intel Xeon E5-2686 v3 @ 2.00GHz  | 19255                                | 48                     | NA                           | NA          |
| Intel Xeon E5-2687W @ 3.10GHz    | 14381                                | 131                    | 24.32                        | \$591.46    |
| Intel Xeon E5-2687W v2 @ 3.40GHz | 16487                                | 79                     | 7.83                         | \$2,105.59  |
| Intel Xeon E5-2687W v3 @ 3.10GHz | 17720                                | 62                     | 5.89                         | \$3,008.95  |
| Intel Xeon E5-2687W v4 @ 3.00GHz | 19933                                | 41                     | 8.64                         | \$2,307.31* |
| Intel Xeon E5-2689 @ 2.60GHz     | 13427                                | 161                    | NA                           | NA          |
| Intel Xeon E5-2689 v4 @ 3.10GHz  | 19892                                | 42                     | NA                           | NA          |
| Intel Xeon E5-2690 @ 2.90GHz     | 13722                                | 149                    | 86.30                        | \$159.00    |
| Intel Xeon E5-2690 v2 @ 3.00GHz  | 16446                                | 81                     | 37.81                        | \$435.00    |
| Intel Xeon E5-2690 v3 @ 2.60GHz  | 19295                                | 47                     | 8.71                         | \$2,215.86* |
| Intel Xeon E5-2690 v4 @ 2.60GHz  | 21326                                | 30                     | 9.07                         | \$2,350.88* |
| Intel Xeon E5-2692 v2 @ 2.20GHz  | 16018                                | 93                     | NA                           | NA          |
| Intel Xeon E5-2695 v2 @ 2.40GHz  | 15847                                | 101                    | 8.90                         | \$1,779.95  |
| Intel Xeon E5-2695 v3 @ 2.30GHz  | 20081                                | 38                     | 9.99                         | \$2,009.99* |
| Intel Xeon E5-2695 v4 @ 2.10GHz  | 20258                                | 36                     | 7.87                         | \$2,573.17* |
| Intel Xeon E5-2696 v2 @ 2.50GHz  | 16620                                | 78                     | NA                           | NA          |
| Intel Xeon E5-2696 v3 @ 2.30GHz  | 22548                                | 19                     | 9.03                         | \$2,498.00* |

| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|----------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E5-2696 v4 @ 2.20GHz  | 21077                                | 32                     | 7.00                         | \$3,009.95* |
| Intel Xeon E5-2697 v2 @ 2.70GHz  | 17455                                | 65                     | 7.81                         | \$2,235.02  |
| Intel Xeon E5-2697 v3 @ 2.60GHz  | 21365                                | 29                     | 7.89                         | \$2,708.95  |
| Intel Xeon E5-2697 v4 @ 2.30GHz  | 21525                                | 26                     | 7.67                         | \$2,805.00  |
| Intel Xeon E5-2697A v4 @ 2.60GHz | 21875                                | 23                     | NA                           | NA          |
| Intel Xeon E5-2698 v3 @ 2.30GHz  | 21133                                | 31                     | 6.17                         | \$3,424.02* |
| Intel Xeon E5-2698 v4 @ 2.20GHz  | 21836                                | 24                     | 6.77                         | \$3,226.00* |
| Intel Xeon E5-2699 v3 @ 2.30GHz  | 22375                                | 20                     | 4.97                         | \$4,505.95  |
| Intel Xeon E5-2699 v4 @ 2.20GHz  | 23200                                | 18                     | 5.26                         | \$4,406.90  |
| Intel Xeon E5-4603 @ 2.00GHz     | 5014                                 | 763                    | 2.65                         | \$1,890.99* |
| Intel Xeon E5-4617 @ 2.90GHz     | 8684                                 | 386                    | 96.60                        | \$89.90*    |
| Intel Xeon E5-4620 @ 2.20GHz     | 8127                                 | 422                    | 43.00                        | \$189.00    |
| Intel Xeon E5-4627 v3 @ 2.60GHz  | 14221                                | 136                    | 5.93                         | \$2,400.00* |
| Intel Xeon E5-4627 v4 @ 2.60GHz  | 15516                                | 105                    | 6.97                         | \$2,225.00* |
| Intel Xeon E5-4640 @ 2.40GHz     | 10523                                | 236                    | 3.85                         | \$2,730.00* |
| Intel Xeon E5-4640 v3 @ 1.90GHz  | 12703                                | 174                    | NA                           | NA          |
| Intel Xeon E5-4648 v3 @ 1.70GHz  | 11097                                | 212                    | NA                           | NA          |
| Intel Xeon E5-4650 @ 2.70GHz     | 12117                                | 189                    | 126.89                       | \$95.49*    |
| Intel Xeon E5-4650L @ 2.60GHz    | 11821                                | 198                    | 1.36                         | \$8,684.50* |
| Intel Xeon E5-4655 v3 @ 2.90GHz  | 12292                                | 183                    | 2.66                         | \$4,616.00* |
| Intel Xeon E5-4657L v2 @ 2.40GHz | 15896                                | 99                     | 5.30                         | \$3,000.00* |
| Intel Xeon E5-4660 v3 @ 2.10GHz  | 15556                                | 104                    | 3.24                         | \$4,800.00* |
| Intel Xeon E5-4669 v4 @ 2.20GHz  | 13626                                | 153                    | NA                           | NA          |
| Intel Xeon E7- 2830 @ 2.13GHz    | 3118                                 | 1179                   | 1.75                         | \$1,779.00* |
| Intel Xeon E3110 @ 3.00GHz       | 2165                                 | 1518                   | 94.20                        | \$22.99*    |
| Intel Xeon E3113 @ 3.00GHz       | 2427                                 | 1414                   | 247.99                       | \$9.79*     |
| Intel Xeon E3120 @ 3.16GHz       | 2241                                 | 1492                   | NA                           | NA          |
| Intel Xeon E5205 @ 1.86GHz       | 1401                                 | 1876                   | 148.77                       | \$9.42*     |
| Intel Xeon E5240 @ 3.00GHz       | 2424                                 | 1416                   | NA                           | NA          |
| CPU Name                         | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon E5310 @ 1.60GHz       | 2264                                 | 1483                   | 46.22                        | \$49.00*    |
| Intel Xeon E5320 @ 1.86GHz       | 2288                                 | 1469                   | 8.48                         | \$269.95*   |
| Intel Xeon E5335 @ 2.00GHz       | 2513                                 | 1385                   | 141.45                       | \$17.77*    |
| Intel Xeon E5345 @ 2.33GHz       | 2923                                 | 1245                   | 73.12                        | \$39.99*    |
| Intel Xeon E5405 @ 2.00GHz       | 2851                                 | 1269                   | 10.19                        | \$279.95    |
| Intel Xeon E5410 @ 2.33GHz       | 3267                                 | 1129                   | 15.79                        | \$207.01*   |
| Intel Xeon E5420 @ 2.50GHz       | 3503                                 | 1071                   | 13.48                        | \$259.95*   |
| Intel Xeon E5430 @ 2.66GHz       | 3776                                 | 1004                   | 104.91                       | \$36.00*    |
| Intel Xeon E5440 @ 2.83GHz       | 3973                                 | 959                    | 33.13                        | \$119.95*   |
| Intel Xeon E5450 @ 3.00GHz       | 4200                                 | 916                    | 18.27                        | \$229.95*   |
| Intel Xeon E5462 @ 2.80GHz       | 3885                                 | 978                    | 142.34                       | \$27.30*    |
| Intel Xeon E5472 @ 3.00GHz       | 4135                                 | 932                    | 75.47                        | \$54.80*    |
| Intel Xeon E5502 @ 1.87GHz       | 1378                                 | 1888                   | 14.51                        | \$95.00*    |
| Intel Xeon E5503 @ 2.00GHz       | 1396                                 | 1878                   | 4.87                         | \$287.01*   |
| Intel Xeon E5504 @ 2.00GHz       | 2702                                 | 1321                   | 38.63                        | \$69.95     |
| Intel Xeon E5506 @ 2.13GHz       | 2977                                 | 1226                   | 49.63                        | \$60.00*    |
| Intel Xeon E5507 @ 2.27GHz       | 3137                                 | 1174                   | 6.87                         | \$456.91*   |
| Intel Xeon E5520 @ 2.27GHz       | 4441                                 | 868                    | 27.77                        | \$159.95*   |
| Intel Xeon E5530 @ 2.40GHz       | 4605                                 | 838                    | 158.83                       | \$29.00*    |
| Intel Xeon E5540 @ 2.53GHz       | 4758                                 | 809                    | 135.97                       | \$35.00     |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Intel Xeon E5603 @ 1.60GHz      | 2366                                 | 1440                   | 18.34                        | \$129.04*   |
| Intel Xeon E5606 @ 2.13GHz      | 3049                                 | 1202                   | 13.92                        | \$219.00*   |
| Intel Xeon E5607 @ 2.27GHz      | 3397                                 | 1099                   | 7.57                         | \$448.95    |
| Intel Xeon E5620 @ 2.40GHz      | 4858                                 | 792                    | 224.63                       | \$21.63     |
| Intel Xeon E5630 @ 2.53GHz      | 5088                                 | 745                    | 108.19                       | \$47.03*    |
| Intel Xeon E5640 @ 2.67GHz      | 5263                                 | 720                    | 88.47                        | \$59.49*    |
| Intel Xeon E5645 @ 2.40GHz      | 6484                                 | 575                    | 60.05                        | \$107.98    |
| Intel Xeon E5649 @ 2.53GHz      | 6936                                 | 537                    | 60.31                        | \$115.00*   |
| Intel Xeon E7320 @ 2.13GHz      | 2413                                 | 1419                   | NA                           | NA          |
| Intel Xeon E-2104G @ 3.20GHz    | 7825                                 | 450                    | 40.54                        | \$193.00*   |
| Intel Xeon E-2146G @ 3.50GHz    | 16050                                | 92                     | 51.61                        | \$311.00*   |
| Intel Xeon E-2174G @ 3.80GHz    | 12108                                | 190                    | 36.92                        | \$328.00*   |
| Intel Xeon E-2176G @ 3.70GHz    | 14409                                | 129                    | 39.81                        | \$362.00*   |
| Intel Xeon E-2176M @ 2.70GHz    | 14026                                | 140                    | 31.17                        | \$450.00*   |
| Intel Xeon E-2186G @ 3.80GHz    | 15406                                | 106                    | 34.24                        | \$450.00*   |
| Intel Xeon E-2186M @ 2.90GHz    | 14388                                | 130                    | 23.09                        | \$623.00*   |
| Intel Xeon Gold 5118 @ 2.30GHz  | 15985                                | 94                     | 11.86                        | \$1,348.00* |
| Intel Xeon Gold 5120 @ 2.20GHz  | 16308                                | 86                     | 10.45                        | \$1,561.00* |
| Intel Xeon Gold 5120T @ 2.20GHz | 18145                                | 60                     | 10.51                        | \$1,727.00* |
| Intel Xeon Gold 5122 @ 3.60GHz  | 11104                                | 210                    | 8.61                         | \$1,288.99* |
| Intel Xeon Gold 6126 @ 2.60GHz  | 19711                                | 45                     | 10.14                        | \$1,943.59  |
| Intel Xeon Gold 6128 @ 3.40GHz  | 15022                                | 114                    | 8.15                         | \$1,842.27* |
| Intel Xeon Gold 6130 @ 2.10GHz  | 18722                                | 52                     | 9.64                         | \$1,941.99  |
| Intel Xeon Gold 6132 @ 2.60GHz  | 23907                                | 16                     | 10.71                        | \$2,232.81* |
| Intel Xeon Gold 6134 @ 3.20GHz  | 18083                                | 61                     | 8.38                         | \$2,159.00  |
| Intel Xeon Gold 6136 @ 3.00GHz  | 21018                                | 34                     | 7.85                         | \$2,677.82* |
| Intel Xeon Gold 6138 @ 2.00GHz  | 25416                                | 10                     | 9.48                         | \$2,679.99  |
| Intel Xeon Gold 6140 @ 2.30GHz  | 23964                                | 15                     | 9.25                         | \$2,589.99* |
| Intel Xeon Gold 6144 @ 3.50GHz  | 19654                                | 46                     | 6.72                         | \$2,925.00* |
| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| Intel Xeon Gold 6146 @ 3.20GHz  | 25142                                | 12                     | 7.53                         | \$3,339.00  |
| Intel Xeon Gold 6154 @ 3.00GHz  | 27722                                | 5                      | 7.26                         | \$3,819.96  |
| Intel Xeon L3110 @ 3.00GHz      | 2273                                 | 1479                   | NA                           | NA          |
| Intel Xeon L3360 @ 2.83GHz      | 3820                                 | 991                    | 42.81                        | \$89.23*    |
| Intel Xeon L3406 @ 2.27GHz      | 1338                                 | 1910                   | 4.83                         | \$277.01*   |
| Intel Xeon L3426 @ 1.87GHz      | 3837                                 | 984                    | 8.59                         | \$447.01*   |
| Intel Xeon L5238 @ 2.66GHz      | 1823                                 | 1674                   | NA                           | NA          |
| Intel Xeon L5240 @ 3.00GHz      | 2271                                 | 1480                   | 72.33                        | \$31.40*    |
| Intel Xeon L5310 @ 1.60GHz      | 2274                                 | 1478                   | 20.22                        | \$112.50*   |
| Intel Xeon L5320 @ 1.86GHz      | 2135                                 | 1529                   | 30.52                        | \$69.99*    |
| Intel Xeon L5335 @ 2.00GHz      | 2756                                 | 1305                   | 72.15                        | \$38.20*    |
| Intel Xeon L5408 @ 2.13GHz      | 3037                                 | 1206                   | NA                           | NA          |
| Intel Xeon L5410 @ 2.33GHz      | 3370                                 | 1107                   | 33.67                        | \$100.08*   |
| Intel Xeon L5420 @ 2.50GHz      | 3499                                 | 1072                   | 127.24                       | \$27.50*    |
| Intel Xeon L5430 @ 2.66GHz      | 3716                                 | 1019                   | 23.53                        | \$157.95*   |
| Intel Xeon L5506 @ 2.13GHz      | 3715                                 | 1020                   | 16.59                        | \$224.00*   |
| Intel Xeon L5520 @ 2.27GHz      | 4387                                 | 880                    | 339.56                       | \$12.92*    |
| Intel Xeon L5530 @ 2.40GHz      | 4351                                 | 890                    | 311.73                       | \$13.96*    |
| Intel Xeon L5630 @ 2.13GHz      | 4369                                 | 886                    | 252.11                       | \$17.33*    |
| Intel Xeon L5638 @ 2.00GHz      | 5556                                 | 675                    | 79.49                        | \$69.90*    |

| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-------------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Xeon L5639 @ 2.13GHz          | 6835                                    | 543                       | NA                              | NA             |
| Intel Xeon L5640 @ 2.27GHz          | 6405                                    | 589                       | 133.41                          | \$48.01*       |
| Intel Xeon L7455 @ 2.13GHz          | 3836                                    | 986                       | NA                              | NA             |
| Intel Xeon MV 3.20GHz               | 683                                     | 2279                      | NA                              | NA             |
| Intel Xeon Platinum 8124M @ 3.00GHz | 26652                                   | 6                         | NA                              | NA             |
| Intel Xeon Platinum 8173M @ 2.00GHz | 28860                                   | 1                         | NA                              | NA             |
| Intel Xeon Platinum 8175M @ 2.50GHz | 28103                                   | 3                         | NA                              | NA             |
| Intel Xeon Silver 4108 @ 1.80GHz    | 10769                                   | 223                       | 23.44                           | \$459.38       |
| Intel Xeon Silver 4109T @ 2.00GHz   | 10854                                   | 222                       | 21.67                           | \$501.00*      |
| Intel Xeon Silver 4110 @ 2.10GHz    | 12025                                   | 192                       | 22.70                           | \$529.86       |
| Intel Xeon Silver 4112 @ 2.60GHz    | 8607                                    | 393                       | 16.26                           | \$529.21*      |
| Intel Xeon Silver 4114 @ 2.20GHz    | 14484                                   | 128                       | 19.44                           | \$744.99*      |
| Intel Xeon Silver 4116 @ 2.10GHz    | 15248                                   | 110                       | 13.60                           | \$1,121.16*    |
| Intel Xeon Silver 4123 @ 3.00GHz    | 15185                                   | 111                       | NA                              | NA             |
| Intel Xeon W3503 @ 2.40GHz          | 1757                                    | 1699                      | 108.35                          | \$16.22*       |
| Intel Xeon W3505 @ 2.53GHz          | 1858                                    | 1656                      | NA                              | NA             |
| Intel Xeon W3520 @ 2.67GHz          | 5059                                    | 752                       | 175.98                          | \$28.75*       |
| Intel Xeon W3530 @ 2.80GHz          | 5359                                    | 705                       | 18.23                           | \$293.95*      |
| Intel Xeon W3540 @ 2.93GHz          | 5472                                    | 685                       | 274.73                          | \$19.92*       |
| Intel Xeon W3550 @ 3.07GHz          | 5696                                    | 657                       | 95.02                           | \$59.95*       |
| Intel Xeon W3565 @ 3.20GHz          | 5943                                    | 628                       | 84.97                           | \$69.95*       |
| Intel Xeon W3570 @ 3.20GHz          | 6084                                    | 615                       | 12.68                           | \$479.95*      |
| Intel Xeon W3580 @ 3.33GHz          | 6433                                    | 583                       | 29.99                           | \$214.50*      |
| Intel Xeon W3670 @ 3.20GHz          | 8152                                    | 419                       | 14.43                           | \$565.00*      |
| Intel Xeon W3680 @ 3.33GHz          | 9081                                    | 350                       | 11.95                           | \$759.95*      |
| Intel Xeon W3690 @ 3.47GHz          | 9164                                    | 340                       | 9.16                            | \$1,000.00*    |
| Intel Xeon W5580 @ 3.20GHz          | 5836                                    | 641                       | 54.53                           | \$107.03*      |
| Intel Xeon W5590 @ 3.33GHz          | 6183                                    | 603                       | 2.46                            | \$2,508.95*    |
| Intel Xeon W-2102 @ 2.90GHz         | 7001                                    | 529                       | 20.72                           | \$337.99*      |
| CPU Name                            | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Xeon W-2104 @ 3.20GHz         | 7782                                    | 456                       | 30.52                           | \$255.00*      |
| Intel Xeon W-2123 @ 3.60GHz         | 10745                                   | 227                       | 29.55                           | \$363.65*      |
| Intel Xeon W-2125 @ 4.00GHz         | 12389                                   | 181                       | 25.21                           | \$491.53*      |
| Intel Xeon W-2133 @ 3.60GHz         | 14091                                   | 139                       | 22.84                           | \$617.00*      |
| Intel Xeon W-2135 @ 3.70GHz         | 16311                                   | 85                        | 17.98                           | \$907.06       |
| Intel Xeon W-2140B @ 3.20GHz        | 18472                                   | 57                        | NA                              | NA             |
| Intel Xeon W-2145 @ 3.70GHz         | 19712                                   | 44                        | 16.30                           | \$1,209.11     |
| Intel Xeon W-2150B @ 3.00GHz        | 21522                                   | 27                        | NA                              | NA             |
| Intel Xeon W-2155 @ 3.30GHz         | 21790                                   | 25                        | 14.24                           | \$1,530.39*    |
| Intel Xeon W-2195 @ 2.30GHz         | 24983                                   | 13                        | 8.09                            | \$3,088.37     |
| Intel Xeon X3210 @ 2.13GHz          | 2737                                    | 1310                      | 14.74                           | \$185.71*      |
| Intel Xeon X3220 @ 2.40GHz          | 3087                                    | 1189                      | 53.24                           | \$57.99*       |
| Intel Xeon X3230 @ 2.66GHz          | 3425                                    | 1089                      | 9.52                            | \$359.95*      |
| Intel Xeon X3320 @ 2.50GHz          | 3310                                    | 1121                      | 14.43                           | \$229.50*      |
| Intel Xeon X3323 @ 2.50GHz          | 3167                                    | 1161                      | 163.59                          | \$19.36*       |
| Intel Xeon X3330 @ 2.66GHz          | 3375                                    | 1105                      | 16.08                           | \$210.00*      |
| Intel Xeon X3350 @ 2.66GHz          | 3847                                    | 982                       | 64.14                           | \$59.99*       |
| Intel Xeon X3353 @ 2.66GHz          | 3853                                    | 981                       | 52.43                           | \$73.50*       |
| Intel Xeon X3360 @ 2.83GHz          | 3955                                    | 963                       | 25.04                           | \$157.95*      |
| Intel Xeon X3363 @ 2.83GHz          | 4008                                    | 952                       | 25.38                           | \$157.95*      |

| CPU Name                     | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|------------------------------|---|---------------------------|---------------------------------|----------------|
| Intel Xeon X3370 @ 3.00GHz   | 4286                                    | 902                       | 11.68                           | \$367.02*      |
| Intel Xeon X3380 @ 3.16GHz   | 4665                                    | 822                       | 9.15                            | \$509.95*      |
| Intel Xeon X3430 @ 2.40GHz   | 3361                                    | 1109                      | 16.01                           | \$209.95       |
| Intel Xeon X3440 @ 2.53GHz   | 4542                                    | 853                       | 20.19                           | \$225.00*      |
| Intel Xeon X3450 @ 2.67GHz   | 4816                                    | 801                       | 60.24                           | \$79.95*       |
| Intel Xeon X3460 @ 2.80GHz   | 5117                                    | 737                       | 14.33                           | \$357.00*      |
| Intel Xeon X3470 @ 2.93GHz   | 5123                                    | 736                       | 10.05                           | \$509.95*      |
| Intel Xeon X3480 @ 3.07GHz   | 5657                                    | 663                       | NA                              | NA             |
| Intel Xeon X5260 @ 3.33GHz   | 2453                                    | 1406                      | 17.62                           | \$139.24*      |
| Intel Xeon X5270 @ 3.50GHz   | 2535                                    | 1375                      | NA                              | NA             |
| Intel Xeon X5272 @ 3.40GHz   | 2394                                    | 1427                      | 17.10                           | \$140.00*      |
| Intel Xeon X5355 @ 2.66GHz   | 3218                                    | 1147                      | 10.38                           | \$309.95*      |
| Intel Xeon X5365 @ 3.00GHz   | 3491                                    | 1074                      | 35.09                           | \$99.50*       |
| Intel Xeon X5450 @ 3.00GHz   | 4124                                    | 935                       | 82.50                           | \$49.99*       |
| Intel Xeon X5460 @ 3.16GHz   | 4336                                    | 894                       | 27.11                           | \$159.95       |
| Intel Xeon X5470 @ 3.33GHz   | 4600                                    | 840                       | 24.34                           | \$189.00       |
| Intel Xeon X5472 @ 3.00GHz   | 4034                                    | 946                       | 17.93                           | \$225.00*      |
| Intel Xeon X5482 @ 3.20GHz   | 4571                                    | 848                       | 45.72                           | \$99.99*       |
| Intel Xeon X5492 @ 3.40GHz   | 4844                                    | 797                       | 3.48                            | \$1,391.29*    |
| Intel Xeon X5550 @ 2.67GHz   | 5404                                    | 699                       | 312.95                          | \$17.27*       |
| Intel Xeon X5560 @ 2.80GHz   | 5399                                    | 700                       | 93.17                           | \$57.95*       |
| Intel Xeon X5570 @ 2.93GHz   | 5679                                    | 659                       | 63.81                           | \$89.00*       |
| Intel Xeon X5647 @ 2.93GHz   | 5980                                    | 623                       | 29.94                           | \$199.75*      |
| Intel Xeon X5650 @ 2.67GHz   | 7414                                    | 493                       | 247.23                          | \$29.99        |
| Intel Xeon X5660 @ 2.80GHz   | 7618                                    | 473                       | 76.55                           | \$99.53        |
| Intel Xeon X5667 @ 3.07GHz   | 4722                                    | 814                       | 67.47                           | \$70.00*       |
| Intel Xeon X5670 @ 2.93GHz   | 7931                                    | 443                       | 120.19                          | \$65.99        |
| Intel Xeon X5672 @ 3.20GHz   | 6419                                    | 588                       | 22.63                           | \$283.72*      |
| Intel Xeon X5675 @ 3.07GHz   | 8303                                    | 407                       | 103.80                          | \$79.99        |
| CPU Name                     | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Intel Xeon X5677 @ 3.47GHz   | 7000                                    | 530                       | 66.67                           | \$105.00*      |
| Intel Xeon X5679 @ 3.20GHz   | 8845                                    | 372                       | NA                              | NA             |
| Intel Xeon X5680 @ 3.33GHz   | 8562                                    | 395                       | 50.07                           | \$171.01       |
| Intel Xeon X5687 @ 3.60GHz   | 7086                                    | 521                       | 121.16                          | \$58.49        |
| Intel Xeon X5690 @ 3.47GHz   | 8939                                    | 365                       | 56.22                           | \$159.00       |
| Intel Xeon X5698 @ 4.40GHz   | 4272                                    | 905                       | NA                              | NA             |
| Intel Xeon X6550 @ 2.00GHz   | 2977                                    | 1225                      | NA                              | NA             |
| Mobile AMD Athlon 4          | 314                                     | 2580                      | 3.62                            | \$86.99*       |
| Mobile AMD Athlon 4 2400+    | 358                                     | 2534                      | NA                              | NA             |
| Mobile AMD Athlon 64 2700+   | 398                                     | 2486                      | NA                              | NA             |
| Mobile AMD Athlon 64 2800+   | 440                                     | 2436                      | NA                              | NA             |
| Mobile AMD Athlon 64 3000+   | 450                                     | 2425                      | NA                              | NA             |
| Mobile AMD Athlon 64 3200+   | 448                                     | 2429                      | NA                              | NA             |
| Mobile AMD Athlon 64 3400+   | 511                                     | 2369                      | NA                              | NA             |
| Mobile AMD Athlon 64 3700+   | 435                                     | 2448                      | NA                              | NA             |
| Mobile AMD Athlon 64 4000+   | 576                                     | 2329                      | NA                              | NA             |
| Mobile AMD Athlon 1400+      | 266                                     | 2656                      | NA                              | NA             |
| Mobile AMD Athlon 2500+      | 370                                     | 2518                      | NA                              | NA             |
| Mobile AMD Athlon MP-M 1800+ | 265                                     | 2657                      | NA                              | NA             |
| Mobile AMD Athlon MP-M 2000+ | 378                                     | 2507                      | NA                              | NA             |



| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
|-----------------------------------|---|---------------------------|---------------------------------|----------------|
| Mobile AMD Athlon MP-M 2400+      | 295                                     | 2611                      | NA                              | NA             |
| Mobile AMD Athlon MP-M 2800+      | 496                                     | 2379                      | NA                              | NA             |
| Mobile AMD Athlon XP              | 572                                     | 2334                      | 45.81                           | \$12.49*       |
| Mobile AMD Athlon XP-M            | 512                                     | 2368                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 1400+      | 184                                     | 2740                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 1500+      | 261                                     | 2660                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 1600+      | 257                                     | 2664                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 1700+      | 323                                     | 2568                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 1800+      | 297                                     | 2606                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 1900+      | 342                                     | 2553                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 2000+      | 300                                     | 2599                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 2200+      | 364                                     | 2528                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 2400+      | 346                                     | 2548                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 2500+      | 346                                     | 2546                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 2600+      | 370                                     | 2517                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 2800+      | 365                                     | 2526                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 3000+      | 365                                     | 2525                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 3100+      | 440                                     | 2439                      | NA                              | NA             |
| Mobile AMD Athlon XP-M 3200+      | 487                                     | 2387                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV)       | 508                                     | 2372                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV) 1500+ | 288                                     | 2618                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV) 1600+ | 296                                     | 2610                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV) 2000+ | 335                                     | 2558                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV) 2200+ | 373                                     | 2515                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV) 2800+ | 475                                     | 2403                      | NA                              | NA             |
| Mobile AMD Athlon XP-M (LV) 3200+ | 505                                     | 2374                      | NA                              | NA             |
| Mobile AMD Sempron 2100+          | 252                                     | 2671                      | NA                              | NA             |
| Mobile AMD Sempron 2600+          | 394                                     | 2492                      | NA                              | NA             |
| Mobile AMD Sempron 2800+          | 361                                     | 2531                      | NA                              | NA             |
| CPU Name                          | Passmark CPU Mark<br>(higher is better) | Rank<br>(lower is better) | CPU Value<br>(higher is better) | Price<br>(USD) |
| Mobile AMD Sempron 3000+          | 389                                     | 2501                      | NA                              | NA             |
| Mobile AMD Sempron 3100+          | 416                                     | 2460                      | NA                              | NA             |
| Mobile AMD Sempron 3200+          | 354                                     | 2538                      | NA                              | NA             |
| Mobile AMD Sempron 3300+          | 445                                     | 2432                      | NA                              | NA             |
| Mobile AMD Sempron 3400+          | 440                                     | 2437                      | NA                              | NA             |
| Mobile AMD Sempron 3500+          | 408                                     | 2471                      | NA                              | NA             |
| Mobile AMD Sempron 3600+          | 431                                     | 2453                      | NA                              | NA             |
| Mobile AMD Sempron 3800+          | 485                                     | 2393                      | NA                              | NA             |
| Mobile Intel Celeron 1.20GHz      | 170                                     | 2750                      | NA                              | NA             |
| Mobile Intel Celeron 1.50GHz      | 188                                     | 2734                      | NA                              | NA             |
| Mobile Intel Celeron 1.60GHz      | 188                                     | 2735                      | NA                              | NA             |
| Mobile Intel Celeron 1.70GHz      | 181                                     | 2743                      | NA                              | NA             |
| Mobile Intel Celeron 1.80GHz      | 186                                     | 2737                      | NA                              | NA             |
| Mobile Intel Celeron 2.00GHz      | 204                                     | 2719                      | NA                              | NA             |
| Mobile Intel Celeron 2.20GHz      | 226                                     | 2699                      | NA                              | NA             |
| Mobile Intel Celeron 2.40GHz      | 239                                     | 2687                      | NA                              | NA             |
| Mobile Intel Celeron 2.50GHz      | 281                                     | 2636                      | NA                              | NA             |
| Mobile Intel Celeron 1200MHz      | 294                                     | 2612                      | NA                              | NA             |
| Mobile Intel Celeron 1333MHz      | 280                                     | 2639                      | NA                              | NA             |
| Mobile Intel Pentium 4 2.30GHz    | 278                                     | 2644                      | 6.38                            | \$43.56*       |



| CPU Name                             | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| Mobile Intel Pentium 4 2.40GHz       | 264                                  | 2659                   | NA                           | NA          |
| Mobile Intel Pentium 4 2.66GHz       | 279                                  | 2641                   | NA                           | NA          |
| Mobile Intel Pentium 4 2.80GHz       | 315                                  | 2578                   | NA                           | NA          |
| Mobile Intel Pentium 4 3.06GHz       | 337                                  | 2556                   | NA                           | NA          |
| Mobile Intel Pentium 4 3.20GHz       | 356                                  | 2535                   | NA                           | NA          |
| Mobile Intel Pentium 4 3.33GHz       | 439                                  | 2440                   | NA                           | NA          |
| Mobile Intel Pentium 4 3.46GHz       | 478                                  | 2401                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 1.60GHz   | 195                                  | 2729                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 1.70GHz   | 173                                  | 2749                   | 0.72                         | \$240.99    |
| Mobile Intel Pentium 4 - M 1.80GHz   | 175                                  | 2746                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 1.90GHz   | 232                                  | 2694                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 2.00GHz   | 202                                  | 2724                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 2.20GHz   | 198                                  | 2726                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 2.40GHz   | 213                                  | 2710                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 2.50GHz   | 256                                  | 2666                   | NA                           | NA          |
| Mobile Intel Pentium 4 - M 2.60GHz   | 313                                  | 2581                   | NA                           | NA          |
| Mobile Intel Pentium III - M 866MHz  | 211                                  | 2713                   | NA                           | NA          |
| Mobile Intel Pentium III - M 933MHz  | 200                                  | 2725                   | NA                           | NA          |
| Mobile Intel Pentium III - M 1000MHz | 250                                  | 2675                   | NA                           | NA          |
| Mobile Intel Pentium III - M 1133MHz | 289                                  | 2616                   | NA                           | NA          |
| Mobile Intel Pentium III - M 1200MHz | 224                                  | 2700                   | NA                           | NA          |
| Mobile Intel Pentium III - M 1333MHz | 289                                  | 2617                   | NA                           | NA          |
| Pentium Dual-Core E6000 @ 3.46GHz    | 2501                                 | 1393                   | NA                           | NA          |
| Quad-Core AMD Opteron 1385           | 3442                                 | 1086                   | 63.75                        | \$54.00*    |
| Quad-Core AMD Opteron 1389           | 3427                                 | 1088                   | NA                           | NA          |
| Six-Core AMD Opteron 2419 EE         | 2925                                 | 1244                   | NA                           | NA          |
| VIA C3 Ezra                          | 100                                  | 2778                   | NA                           | NA          |
| VIA C7 1500MHz                       | 284                                  | 2629                   | NA                           | NA          |
| VIA C7-D 1500MHz                     | 287                                  | 2624                   | NA                           | NA          |
| CPU Name                             | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| VIA C7-D 1800MHz                     | 203                                  | 2721                   | NA                           | NA          |
| VIA C7-D 2000MHz                     | 368                                  | 2521                   | NA                           | NA          |
| VIA C7-M 1000MHz                     | 164                                  | 2752                   | NA                           | NA          |
| VIA C7-M 1200MHz                     | 140                                  | 2765                   | NA                           | NA          |
| VIA C7-M 1600MHz                     | 178                                  | 2745                   | NA                           | NA          |
| VIA C7-M 6300MHz                     | 222                                  | 2702                   | NA                           | NA          |
| VIA Eden 800MHz                      | 155                                  | 2756                   | NA                           | NA          |
| VIA Eden 1000MHz                     | 123                                  | 2773                   | NA                           | NA          |
| VIA Eden 1200MHz                     | 142                                  | 2764                   | NA                           | NA          |
| VIA Eden C1050@1.06GHz               | 352                                  | 2541                   | NA                           | NA          |
| VIA Eden X2 U4200 @ 1.0+ GHz         | 480                                  | 2399                   | NA                           | NA          |
| VIA Eden X4 C4250 @ 1.2+GHz          | 1147                                 | 2021                   | NA                           | NA          |
| VIA Esther 1000MHz                   | 146                                  | 2763                   | NA                           | NA          |
| VIA Esther 1300MHz                   | 250                                  | 2674                   | NA                           | NA          |
| VIA Esther 1500MHz                   | 219                                  | 2704                   | NA                           | NA          |
| VIA Esther 2000MHz                   | 394                                  | 2491                   | NA                           | NA          |
| VIA Nano L1900@1400MHz               | 457                                  | 2419                   | NA                           | NA          |
| VIA Nano L2007@1600MHz               | 369                                  | 2519                   | NA                           | NA          |
| VIA Nano L2100@1800MHz               | 428                                  | 2455                   | NA                           | NA          |
| VIA Nano L2207@1600MHz               | 296                                  | 2609                   | NA                           | NA          |

| CPU Name                        | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| VIA Nano L3025@1600MHz          | 517                                  | 2362                   | NA                           | NA          |
| VIA Nano L3050@1800MHz          | 581                                  | 2327                   | NA                           | NA          |
| VIA Nano L3600@2000MHz          | 645                                  | 2293                   | NA                           | NA          |
| VIA Nano U2250 (1.6GHz Capable) | 377                                  | 2508                   | NA                           | NA          |
| VIA Nano U2250@1300+MHz         | 274                                  | 2648                   | NA                           | NA          |
| VIA Nano U2500@1200MHz          | 306                                  | 2590                   | NA                           | NA          |
| VIA Nano U3100 (1.6GHz Capable) | 501                                  | 2376                   | NA                           | NA          |
| VIA Nano U3300@1200MHz          | 409                                  | 2465                   | NA                           | NA          |
| VIA Nano U3500@1000MHz          | 275                                  | 2646                   | NA                           | NA          |
| VIA Nano X2 U4025 @ 1.2 GHz     | 605                                  | 2313                   | NA                           | NA          |
| VIA Nehemiah                    | 155                                  | 2757                   | NA                           | NA          |
| VIA QuadCore C4650@2.0GHz       | 1897                                 | 1635                   | NA                           | NA          |
| VIA QuadCore L4700 @ 1.2+ GHz   | 1363                                 | 1896                   | NA                           | NA          |
| VIA QuadCore U4650 @ 1.0+ GHz   | 1173                                 | 2004                   | NA                           | NA          |
| VIA Samuel 2                    | 79                                   | 2780                   | NA                           | NA          |

\* - Last price seen from our affiliates.

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|  |           |           |             |      |
|  | 567,82 zł | 424,19 zł | 5 490,72 zł | 69,! |

## Multi CPU Systems

| CPU Name                           | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|------------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| [3-Way] Intel Xeon X7460 @ 2.66GHz | 7672                                 | 278                    | 3.61                         | \$2,126.85* |
| [8-Way] Intel Xeon X7560 @ 2.27GHz | 17658                                | 112                    | 100.33                       | \$176.00*   |
| [Dual CPU] AMD Athlon 64 FX-72     | 3163                                 | 381                    | NA                           | NA          |
| [Dual CPU] AMD Athlon 64 FX-74     | 2945                                 | 387                    | 2.95                         | \$999.00*   |
| [Dual CPU] AMD Athlon MP 2000+     | 604                                  | 433                    | NA                           | NA          |
| [Dual CPU] AMD EPYC 7281           | 12720                                | 163                    | 8.75                         | \$1,454.26  |
| [Dual CPU] AMD EPYC 7401           | 23518                                | 57                     | 4.91                         | \$4,790.00  |
| [Dual CPU] AMD EPYC 7451           | 28957                                | 26                     | 4.35                         | \$6,663.62  |
| [Dual CPU] AMD EPYC 7501           | 26884                                | 36                     | 3.07                         | \$8,759.82  |
| [Dual CPU] AMD EPYC 7551           | 30966                                | 19                     | 4.06                         | \$7,627.98  |
| [Dual CPU] AMD EPYC 7601           | 33545                                | 13                     | 3.65                         | \$9,194.78* |
| [Dual CPU] AMD Opteron 246         | 1130                                 | 422                    | 28.26                        | \$39.98     |
| [Dual CPU] AMD Opteron 248         | 1053                                 | 423                    | 5.27                         | \$199.90    |
| [Dual CPU] AMD Opteron 250         | 1438                                 | 419                    | 65.36                        | \$22.00*    |
| [Dual CPU] AMD Opteron 252         | 1385                                 | 420                    | 10.93                        | \$126.72*   |
| [Dual CPU] AMD Opteron 254         | 816                                  | 428                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 256         | 1853                                 | 416                    | 48.76                        | \$38.00*    |
| [Dual CPU] AMD Opteron 265         | 2010                                 | 414                    | 6.28                         | \$319.90*   |
| [Dual CPU] AMD Opteron 270         | 2226                                 | 410                    | 1.83                         | \$1,214.94* |
| [Dual CPU] AMD Opteron 275         | 2133                                 | 413                    | 16.41                        | \$129.98    |
| [Dual CPU] AMD Opteron 280         | 2452                                 | 405                    | 1.54                         | \$1,593.34* |
| [Dual CPU] AMD Opteron 285         | 2772                                 | 396                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 290         | 2807                                 | 393                    | 10.40                        | \$270.00*   |
| [Dual CPU] AMD Opteron 885         | 2851                                 | 391                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2212        | 2203                                 | 411                    | 91.79                        | \$24.00*    |
| [Dual CPU] AMD Opteron 2214        | 2344                                 | 406                    | 40.41                        | \$58.00     |
| [Dual CPU] AMD Opteron 2214 HE     | 2463                                 | 403                    | NA                           | NA          |

| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--------------------------------|--------------------------------------|------------------------|------------------------------|-------------|
| [Dual CPU] AMD Opteron 2216    | 2485                                 | 402                    | 6.98                         | \$356.02*   |
| [Dual CPU] AMD Opteron 2216 HE | 2593                                 | 399                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2218    | 2719                                 | 397                    | 41.93                        | \$64.84*    |
| [Dual CPU] AMD Opteron 2218 HE | 2514                                 | 400                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2220    | 2853                                 | 390                    | 0.97                         | \$2,950.32* |
| [Dual CPU] AMD Opteron 2220 SE | 2882                                 | 389                    | 57.64                        | \$50.00*    |
| [Dual CPU] AMD Opteron 2222    | 2998                                 | 385                    | 0.90                         | \$3,329.96* |
| [Dual CPU] AMD Opteron 2222 SE | 3257                                 | 379                    | 45.30                        | \$71.90     |
| [Dual CPU] AMD Opteron 2346 HE | 4095                                 | 369                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2347 HE | 3470                                 | 376                    | 7.36                         | \$471.66*   |
| [Dual CPU] AMD Opteron 2350    | 4078                                 | 370                    | 7.55                         | \$539.98*   |
| [Dual CPU] AMD Opteron 2354    | 4566                                 | 358                    | 6.88                         | \$664.06*   |
| [Dual CPU] AMD Opteron 2356    | 4441                                 | 361                    | 148.53                       | \$29.90     |
| [Dual CPU] AMD Opteron 2360 SE | 5315                                 | 340                    | 98.43                        | \$54.00     |
| [Dual CPU] AMD Opteron 2373 EE | 4164                                 | 367                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2374 HE | 4799                                 | 354                    | 12.63                        | \$379.98*   |
| [Dual CPU] AMD Opteron 2376    | 5238                                 | 341                    | 15.70                        | \$333.60*   |
| [Dual CPU] AMD Opteron 2378    | 5318                                 | 339                    | 14.85                        | \$358.00*   |
| [Dual CPU] AMD Opteron 2380    | 5754                                 | 327                    | 115.08                       | \$50.00*    |
| [Dual CPU] AMD Opteron 2384    | 5914                                 | 323                    | 3.52                         | \$1,680.00* |
| [Dual CPU] AMD Opteron 2387    | 6320                                 | 312                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2389    | 5677                                 | 328                    | 48.11                        | \$118.00    |
| [Dual CPU] AMD Opteron 2419    | 5191                                 | 343                    | 216.47                       | \$23.98*    |
| CPU Name                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| [Dual CPU] AMD Opteron 2425 HE | 6209                                 | 315                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 2427    | 5907                                 | 324                    | 29.83                        | \$198.00    |
| [Dual CPU] AMD Opteron 2431    | 6438                                 | 307                    | 80.48                        | \$80.00     |
| [Dual CPU] AMD Opteron 2435    | 7068                                 | 293                    | 18.70                        | \$378.00    |
| [Dual CPU] AMD Opteron 2439 SE | 8071                                 | 265                    | 44.84                        | \$179.98*   |
| [Dual CPU] AMD Opteron 4122    | 4076                                 | 371                    | 16.31                        | \$249.98*   |
| [Dual CPU] AMD Opteron 4130    | 5651                                 | 330                    | 9.15                         | \$617.90*   |
| [Dual CPU] AMD Opteron 4170 HE | 6344                                 | 310                    | 53.76                        | \$118.00*   |
| [Dual CPU] AMD Opteron 4180    | 6367                                 | 308                    | 7.77                         | \$819.90    |
| [Dual CPU] AMD Opteron 4184    | 7848                                 | 270                    | 7.55                         | \$1,039.90* |
| [Dual CPU] AMD Opteron 4226    | 8088                                 | 263                    | 80.90                        | \$99.98     |
| [Dual CPU] AMD Opteron 4228 HE | 7986                                 | 266                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 4234    | 9361                                 | 231                    | 20.35                        | \$459.98    |
| [Dual CPU] AMD Opteron 4276 HE | 9681                                 | 225                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 4280    | 4525                                 | 359                    | 45.26                        | \$99.98     |
| [Dual CPU] AMD Opteron 4284    | 8772                                 | 244                    | 73.11                        | \$119.98    |
| [Dual CPU] AMD Opteron 4334    | 9456                                 | 230                    | 21.85                        | \$432.84*   |
| [Dual CPU] AMD Opteron 4340    | 10419                                | 204                    | 21.71                        | \$479.98    |
| [Dual CPU] AMD Opteron 4376 HE | 10244                                | 211                    | 8.15                         | \$1,257.44* |
| [Dual CPU] AMD Opteron 4386    | 11360                                | 191                    | 40.57                        | \$279.98    |
| [Dual CPU] AMD Opteron 6128    | 6881                                 | 298                    | 163.91                       | \$41.98     |
| [Dual CPU] AMD Opteron 6128 HE | 5582                                 | 333                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 6132 HE | 8657                                 | 247                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 6134    | 7586                                 | 280                    | 11.53                        | \$658.00    |
| [Dual CPU] AMD Opteron 6136    | 7255                                 | 287                    | 10.10                        | \$718.00*   |
| [Dual CPU] AMD Opteron 6164 HE | 5109                                 | 346                    | NA                           | NA          |

| CPU Name                                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------|-------------|
| [Dual CPU] AMD Opteron 6168                    | 7741                                 | 275                    | 40.68                        | \$190.28*   |
| [Dual CPU] AMD Opteron 6172                    | 7623                                 | 279                    | 38.50                        | \$198.00    |
| [Dual CPU] AMD Opteron 6174                    | 8567                                 | 250                    | 43.27                        | \$198.00    |
| [Dual CPU] AMD Opteron 6176 SE                 | 8448                                 | 253                    | 26.57                        | \$318.00    |
| [Dual CPU] AMD Opteron 6180 SE                 | 3114                                 | 382                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 6204                    | 7134                                 | 290                    | 50.96                        | \$139.98    |
| [Dual CPU] AMD Opteron 6212                    | 8955                                 | 237                    | 149.30                       | \$59.98     |
| [Dual CPU] AMD Opteron 6220                    | 10740                                | 200                    | 89.51                        | \$119.98    |
| [Dual CPU] AMD Opteron 6234                    | 10079                                | 215                    | 72.00                        | \$139.98*   |
| [Dual CPU] AMD Opteron 6238                    | 10349                                | 206                    | 86.26                        | \$119.98    |
| [Dual CPU] AMD Opteron 6272                    | 10008                                | 218                    | 7.59                         | \$1,317.78  |
| [Dual CPU] AMD Opteron 6274                    | 10682                                | 201                    | 22.35                        | \$478.00    |
| [Dual CPU] AMD Opteron 6275                    | 10900                                | 198                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 6276                    | 10194                                | 213                    | 63.72                        | \$159.98    |
| [Dual CPU] AMD Opteron 6284 SE                 | 11985                                | 177                    | 17.12                        | \$699.98    |
| [Dual CPU] AMD Opteron 6308                    | 8351                                 | 255                    | 8.24                         | \$1,013.68* |
| [Dual CPU] AMD Opteron 6320                    | 10914                                | 197                    | 27.29                        | \$399.98    |
| [Dual CPU] AMD Opteron 6328                    | 11722                                | 181                    | 16.33                        | \$718.00    |
| [Dual CPU] AMD Opteron 6344                    | 11203                                | 193                    | 14.40                        | \$778.00    |
| [Dual CPU] AMD Opteron 6348                    | 11412                                | 188                    | 28.53                        | \$399.98    |
| [Dual CPU] AMD Opteron 6376                    | 10405                                | 205                    | 80.04                        | \$130.00    |
| [Dual CPU] AMD Opteron 6378                    | 2905                                 | 388                    | 7.26                         | \$399.98    |
| [Dual CPU] AMD Opteron 6380                    | 14200                                | 149                    | 78.90                        | \$179.98    |
| CPU Name                                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| [Dual CPU] AMD Opteron 6386 SE                 | 10764                                | 199                    | 35.88                        | \$299.98    |
| [Dual CPU] AMD Opteron 8218                    | 2831                                 | 392                    | 67.40                        | \$42.00     |
| [Dual CPU] AMD Opteron 8220                    | 2510                                 | 401                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 8222 SE                 | 2793                                 | 395                    | 0.45                         | \$6,180.64* |
| [Dual CPU] AMD Opteron 8354                    | 3223                                 | 380                    | 73.25                        | \$44.00     |
| [Dual CPU] AMD Opteron 8380                    | 5643                                 | 331                    | 13.70                        | \$412.00*   |
| [Dual CPU] AMD Opteron 8381 HE                 | 5210                                 | 342                    | NA                           | NA          |
| [Dual CPU] AMD Opteron 8389                    | 6517                                 | 304                    | 41.25                        | \$158.00    |
| [Dual CPU] AMD Opteron 8431                    | 5813                                 | 325                    | 207.76                       | \$27.98*    |
| [Dual CPU] AMD Opteron 8435                    | 6739                                 | 301                    | 46.80                        | \$144.00    |
| [Dual CPU] AMD Opteron 8439 SE                 | 7691                                 | 277                    | 51.27                        | \$150.00*   |
| [Dual CPU] C-QuadCore C4700@2.0GHz             | 1163                                 | 421                    | NA                           | NA          |
| [Dual CPU] Dual-Core AMD Opteron 2212 HE       | 2302                                 | 408                    | NA                           | NA          |
| [Dual CPU] Dual-Core AMD Opteron 8224 SE       | 3532                                 | 375                    | NA                           | NA          |
| [Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz | 7908                                 | 268                    | 2.19                         | \$3,611.90* |
| [Dual CPU] Intel Pentium III 1133 @ 1133MHz    | 450                                  | 442                    | NA                           | NA          |
| [Dual CPU] Intel Pentium III 1266S @ 1266MHz   | 465                                  | 440                    | NA                           | NA          |
| [Dual CPU] Intel Pentium III 1400 @ 1400MHz    | 540                                  | 436                    | NA                           | NA          |
| [Dual CPU] Intel Pentium III 1400S @ 1400MHz   | 532                                  | 438                    | NA                           | NA          |
| [Dual CPU] Intel XEON 1.80GHz                  | 362                                  | 443                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 2.00GHz                  | 339                                  | 444                    | NA                           | NA          |
| [Dual CPU] Intel XEON 2.20GHz                  | 453                                  | 441                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 2.40GHz                  | 473                                  | 439                    | 25.99                        | \$18.20*    |
| [Dual CPU] Intel Xeon 2.66GHz                  | 601                                  | 434                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 2.80GHz                  | 687                                  | 430                    | NA                           | NA          |

| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------|-------------|
| [Dual CPU] Intel Xeon 3.00GHz               | 784                                  | 429                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 3.06GHz               | 604                                  | 432                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 3.20GHz               | 857                                  | 427                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 3.40GHz               | 889                                  | 426                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 3.60GHz               | 930                                  | 425                    | 0.55                         | \$1,702.00* |
| [Dual CPU] Intel Xeon 3.73GHz               | 1859                                 | 415                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 3.80GHz               | 993                                  | 424                    | 0.58                         | \$1,702.00* |
| [Dual CPU] Intel Xeon 5110 @ 1.60GHz        | 2154                                 | 412                    | 6.73                         | \$319.90*   |
| [Dual CPU] Intel Xeon 5120 @ 1.86GHz        | 2310                                 | 407                    | 0.71                         | \$3,256.96  |
| [Dual CPU] Intel Xeon 5130 @ 2.00GHz        | 2615                                 | 398                    | 98.60                        | \$26.52*    |
| [Dual CPU] Intel Xeon 5138 @ 2.13GHz        | 3017                                 | 383                    | NA                           | NA          |
| [Dual CPU] Intel Xeon 5140 @ 2.33GHz        | 2984                                 | 386                    | 46.02                        | \$64.84*    |
| [Dual CPU] Intel Xeon 5148 @ 2.33GHz        | 2999                                 | 384                    | 114.20                       | \$26.26*    |
| [Dual CPU] Intel Xeon 5150 @ 2.66GHz        | 3439                                 | 377                    | 3.77                         | \$911.90*   |
| [Dual CPU] Intel Xeon 5160 @ 3.00GHz        | 3834                                 | 373                    | 149.53                       | \$25.64*    |
| [Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz | 8987                                 | 235                    | 19.01                        | \$472.68    |
| [Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz | 11646                                | 184                    | 16.64                        | \$699.98    |
| [Dual CPU] Intel Xeon E5-2403 @ 1.80GHz     | 6204                                 | 316                    | 8.50                         | \$729.94    |
| [Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz  | 6304                                 | 313                    | 16.68                        | \$378.00    |
| [Dual CPU] Intel Xeon E5-2407 @ 2.20GHz     | 7486                                 | 282                    | 11.17                        | \$670.08    |
| [Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz  | 9018                                 | 234                    | 9.47                         | \$952.62*   |
| [Dual CPU] Intel Xeon E5-2420 @ 1.90GHz     | 11628                                | 186                    | 14.91                        | \$780.04    |
| [Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz  | 11738                                | 180                    | 10.12                        | \$1,159.90* |
| [Dual CPU] Intel Xeon E5-2428L @ 1.80GHz    | 8321                                 | 258                    | NA                           | NA          |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| [Dual CPU] Intel Xeon E5-2430 @ 2.20GHz     | 13637                                | 153                    | 9.35                         | \$1,457.90  |
| [Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz  | 13447                                | 159                    | 12.01                        | \$1,119.98  |
| [Dual CPU] Intel Xeon E5-2430L @ 2.00GHz    | 11390                                | 190                    | 54.76                        | \$207.98*   |
| [Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz | 12354                                | 169                    | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz  | 12854                                | 162                    | 12.60                        | \$1,019.90* |
| [Dual CPU] Intel Xeon E5-2450 @ 2.10GHz     | 13718                                | 151                    | 9.50                         | \$1,444.44* |
| [Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz  | 16556                                | 123                    | 18.86                        | \$878.00    |
| [Dual CPU] Intel Xeon E5-2450L @ 1.80GHz    | 11715                                | 182                    | 45.06                        | \$260.00*   |
| [Dual CPU] Intel Xeon E5-2470 @ 2.30GHz     | 16613                                | 122                    | 26.23                        | \$633.44*   |
| [Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz  | 18572                                | 106                    | 4.13                         | \$4,500.00* |
| [Dual CPU] Intel Xeon E5-2603 @ 1.80GHz     | 6326                                 | 311                    | 14.67                        | \$431.10    |
| [Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz  | 6520                                 | 303                    | 83.40                        | \$78.18     |
| [Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz  | 8385                                 | 254                    | 11.73                        | \$714.66    |
| [Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz  | 8775                                 | 243                    | 19.08                        | \$459.98*   |
| [Dual CPU] Intel Xeon E5-2609 @ 2.40GHz     | 8214                                 | 261                    | 52.65                        | \$156.00*   |
| [Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz  | 8871                                 | 240                    | 8.70                         | \$1,019.90* |
| [Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz  | 9984                                 | 219                    | 8.06                         | \$1,238.08  |
| [Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz  | 10992                                | 196                    | 15.28                        | \$719.46*   |
| [Dual CPU] Intel Xeon E5-2620 @ 2.00GHz     | 12369                                | 167                    | 143.89                       | \$85.96     |
| [Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz  | 13404                                | 160                    | 29.14                        | \$460.00    |
| [Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz  | 15276                                | 137                    | 20.70                        | \$738.00    |
| [Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz  | 16471                                | 124                    | 18.72                        | \$879.96    |
| [Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz  | 14251                                | 148                    | 17.59                        | \$809.98*   |
| [Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz  | 12367                                | 168                    | 11.26                        | \$1,098.00* |
| [Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz | 14589                                | 145                    | NA                           | NA          |



| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|---|--------------------------------------|------------------------|------------------------------|-------------|
| [Dual CPU] Intel Xeon E5-2630 @ 2.30GHz     | 13604                                | 157                    | 53.19                        | \$255.78    |
| [Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz  | 16034                                | 127                    | 13.14                        | \$1,219.90  |
| [Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz  | 18522                                | 107                    | 18.94                        | \$978.00    |
| [Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz  | 18872                                | 104                    | 14.30                        | \$1,319.98  |
| [Dual CPU] Intel Xeon E5-2630L @ 2.00GHz    | 11068                                | 194                    | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz | 13636                                | 154                    | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz | 15183                                | 138                    | 10.10                        | \$1,503.84* |
| [Dual CPU] Intel Xeon E5-2637 @ 3.00GHz     | 7416                                 | 285                    | 4.19                         | \$1,770.00* |
| [Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz  | 15972                                | 129                    | 13.13                        | \$1,216.00  |
| [Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz  | 16437                                | 125                    | 6.34                         | \$2,591.90* |
| [Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz  | 16656                                | 121                    | 7.81                         | \$2,131.84  |
| [Dual CPU] Intel Xeon E5-2640 @ 2.50GHz     | 14682                                | 142                    | 59.90                        | \$245.12    |
| [Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz  | 14511                                | 146                    | 75.31                        | \$192.68*   |
| [Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz  | 20164                                | 92                     | 8.04                         | \$2,508.50  |
| [Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz  | 20765                                | 86                     | 11.08                        | \$1,873.98  |
| [Dual CPU] Intel Xeon E5-2643 @ 3.30GHz     | 13640                                | 152                    | 8.96                         | \$1,521.98  |
| [Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz  | 21077                                | 81                     | 3.99                         | \$5,283.50* |
| [Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz  | 21083                                | 80                     | 14.29                        | \$1,475.64  |
| [Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz  | 21544                                | 75                     | 6.57                         | \$3,276.70  |
| [Dual CPU] Intel Xeon E5-2648L @ 1.80GHz    | 12250                                | 172                    | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz | 11808                                | 179                    | 3.99                         | \$2,958.00* |
| [Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz | 18089                                | 110                    | 6.65                         | \$2,720.52* |
| [Dual CPU] Intel Xeon E5-2650 @ 2.00GHz     | 15001                                | 139                    | 61.00                        | \$245.90    |
| [Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz  | 19028                                | 103                    | 17.62                        | \$1,079.80  |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| [Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz  | 20451                                | 90                     | 5.09                         | \$4,019.84* |
| [Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz  | 20439                                | 91                     | 7.99                         | \$2,558.14* |
| [Dual CPU] Intel Xeon E5-2650L @ 1.80GHz    | 14385                                | 147                    | 44.98                        | \$319.80*   |
| [Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz | 14703                                | 141                    | 24.58                        | \$598.10    |
| [Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz | 20924                                | 85                     | 6.99                         | \$2,992.00* |
| [Dual CPU] Intel Xeon E5-2658 @ 2.10GHz     | 13319                                | 161                    | 4.56                         | \$2,924.00* |
| [Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz  | 18822                                | 105                    | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz  | 19391                                | 100                    | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2660 @ 2.20GHz     | 16343                                | 126                    | 80.11                        | \$204.00    |
| [Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz  | 18077                                | 111                    | 42.43                        | \$426.02    |
| [Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz  | 22592                                | 68                     | 6.24                         | \$3,617.90  |
| [Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz  | 23128                                | 64                     | 6.57                         | \$3,520.00* |
| [Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz  | 23254                                | 63                     | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2665 @ 2.40GHz     | 17470                                | 114                    | 51.19                        | \$341.30    |
| [Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz  | 24877                                | 47                     | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2667 @ 2.90GHz     | 17003                                | 117                    | 37.62                        | \$452.00*   |
| [Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz  | 22518                                | 69                     | 14.75                        | \$1,527.12  |
| [Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz  | 23109                                | 65                     | 5.11                         | \$4,519.90* |
| [Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz  | 23927                                | 54                     | 5.42                         | \$4,411.14  |
| [Dual CPU] Intel Xeon E5-2670 @ 2.60GHz     | 18194                                | 109                    | 93.49                        | \$194.60    |
| [Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz  | 20936                                | 84                     | 21.41                        | \$978.00*   |
| [Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz  | 22371                                | 72                     | 7.12                         | \$3,144.00* |
| [Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz  | 23393                                | 59                     | NA                           | NA          |
| [Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz  | 23266                                | 62                     | 16.62                        | \$1,400.00* |
| [Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz  | 29799                                | 24                     | NA                           | NA          |



| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
|---|--------------------------------------|------------------------|------------------------------|--------------|
| [Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz  | 19952                                | 93                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz  | 21498                                | 76                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz  | 29934                                | 23                     | 5.54                         | \$5,404.00*  |
| [Dual CPU] Intel Xeon E5-2680 @ 2.70GHz     | 18209                                | 108                    | 81.41                        | \$223.68     |
| [Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz  | 21471                                | 77                     | 30.35                        | \$707.34     |
| [Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz  | 24798                                | 49                     | 6.20                         | \$4,002.00   |
| [Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz  | 23368                                | 60                     | 6.63                         | \$3,525.80*  |
| [Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz  | 16920                                | 118                    | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz  | 21061                                | 82                     | 5.31                         | \$3,969.98*  |
| [Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz  | 24989                                | 46                     | 5.99                         | \$4,174.96*  |
| [Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz  | 22049                                | 73                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz  | 26790                                | 37                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2687W @ 3.10GHz    | 20978                                | 83                     | 17.73                        | \$1,182.92   |
| [Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz | 23284                                | 61                     | 5.53                         | \$4,211.18   |
| [Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz | 24146                                | 52                     | 4.01                         | \$6,017.90   |
| [Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz | 26677                                | 38                     | 5.78                         | \$4,614.62*  |
| [Dual CPU] Intel Xeon E5-2689 @ 2.60GHz     | 19917                                | 95                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz  | 26185                                | 41                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2690 @ 2.90GHz     | 19784                                | 96                     | 62.21                        | \$318.00     |
| [Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz  | 23733                                | 56                     | 27.28                        | \$870.00     |
| [Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz  | 25757                                | 44                     | 5.81                         | \$4,431.72*  |
| [Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz  | 27561                                | 33                     | 5.86                         | \$4,701.76*  |
| [Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz  | 20710                                | 88                     | 5.82                         | \$3,559.90   |
| [Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz  | 24852                                | 48                     | 6.18                         | \$4,019.98*  |
| CPU Name                                    | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
| [Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz  | 25618                                | 45                     | 4.98                         | \$5,146.34*  |
| [Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz  | 23914                                | 55                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz  | 30313                                | 21                     | 6.07                         | \$4,996.00*  |
| [Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz  | 31304                                | 17                     | 5.20                         | \$6,019.90*  |
| [Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz  | 23443                                | 58                     | 5.24                         | \$4,470.04   |
| [Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz  | 28246                                | 30                     | 5.21                         | \$5,417.90   |
| [Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz  | 30520                                | 20                     | 5.44                         | \$5,610.00   |
| [Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz | 28161                                | 31                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz  | 29958                                | 22                     | 4.37                         | \$6,848.04*  |
| [Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz  | 32235                                | 15                     | 5.00                         | \$6,452.00*  |
| [Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz | 24133                                | 53                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz  | 26333                                | 40                     | 2.92                         | \$9,011.90   |
| [Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz  | 34013                                | 12                     | 3.86                         | \$8,813.80   |
| [Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz | 20653                                | 89                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz  | 19491                                | 99                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-4640 @ 2.40GHz     | 15897                                | 131                    | 2.91                         | \$5,460.00*  |
| [Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz  | 19209                                | 101                    | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz  | 19583                                | 97                     | NA                           | NA           |
| [Dual CPU] Intel Xeon E5-4650 @ 2.70GHz     | 19127                                | 102                    | 100.15                       | \$190.98*    |
| [Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz  | 14876                                | 140                    | 1.94                         | \$7,676.00*  |
| [Dual CPU] Intel Xeon E5-4650L @ 2.60GHz    | 10679                                | 202                    | 0.61                         | \$17,369.00* |
| [Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz  | 22461                                | 70                     | 2.34                         | \$9,600.00*  |
| [Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz  | 27457                                | 35                     | 2.54                         | \$10,800.00* |
| [Dual CPU] Intel Xeon E7-2850 @ 2.00GHz     | 12145                                | 173                    | 44.98                        | \$270.00*    |
| [Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz  | 15686                                | 133                    | NA                           | NA           |

| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
|--|--------------------------------------|------------------------|------------------------------|--------------|
| [Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz | 22412                                | 71                     | 1.81                         | \$12,400.00* |
| [Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz   | 12016                                | 176                    | 1.42                         | \$8,454.00*  |
| [Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz   | 15488                                | 134                    | 33.24                        | \$466.00*    |
| [Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz   | 10044                                | 217                    | 25.11                        | \$399.98*    |
| [Dual CPU] Intel Xeon E5205 @ 1.86GHz      | 2279                                 | 409                    | 120.97                       | \$18.84*     |
| [Dual CPU] Intel Xeon E5240 @ 3.00GHz      | 4038                                 | 372                    | NA                           | NA           |
| [Dual CPU] Intel Xeon E5310 @ 1.60GHz      | 3566                                 | 374                    | 36.39                        | \$98.00*     |
| [Dual CPU] Intel Xeon E5320 @ 1.86GHz      | 4147                                 | 368                    | 7.68                         | \$539.90*    |
| [Dual CPU] Intel Xeon E5330 @ 2.13GHz      | 4944                                 | 349                    | NA                           | NA           |
| [Dual CPU] Intel Xeon E5335 @ 2.00GHz      | 4593                                 | 357                    | 129.23                       | \$35.54*     |
| [Dual CPU] Intel Xeon E5345 @ 2.33GHz      | 5129                                 | 345                    | 64.13                        | \$79.98*     |
| [Dual CPU] Intel Xeon E5405 @ 2.00GHz      | 5178                                 | 344                    | 9.25                         | \$559.90     |
| [Dual CPU] Intel Xeon E5410 @ 2.33GHz      | 6027                                 | 320                    | 14.56                        | \$414.02*    |
| [Dual CPU] Intel Xeon E5420 @ 2.50GHz      | 6360                                 | 309                    | 12.23                        | \$519.90*    |
| [Dual CPU] Intel Xeon E5430 @ 2.66GHz      | 6860                                 | 300                    | 95.28                        | \$72.00*     |
| [Dual CPU] Intel Xeon E5440 @ 2.83GHz      | 7169                                 | 289                    | 29.88                        | \$239.90*    |
| [Dual CPU] Intel Xeon E5450 @ 3.00GHz      | 7549                                 | 281                    | 16.41                        | \$459.90*    |
| [Dual CPU] Intel Xeon E5462 @ 2.80GHz      | 7117                                 | 291                    | 130.35                       | \$54.60*     |
| [Dual CPU] Intel Xeon E5472 @ 3.00GHz      | 7836                                 | 272                    | 71.50                        | \$109.60*    |
| [Dual CPU] Intel Xeon E5502 @ 1.87GHz      | 2456                                 | 404                    | 12.93                        | \$190.00*    |
| [Dual CPU] Intel Xeon E5503 @ 2.00GHz      | 2801                                 | 394                    | 4.88                         | \$574.02*    |
| [Dual CPU] Intel Xeon E5504 @ 2.00GHz      | 4891                                 | 351                    | 34.96                        | \$139.90     |
| [Dual CPU] Intel Xeon E5506 @ 2.13GHz      | 5008                                 | 348                    | 41.73                        | \$120.00*    |
| [Dual CPU] Intel Xeon E5507 @ 2.27GHz      | 5434                                 | 336                    | 5.95                         | \$913.82*    |
| CPU Name                                   | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
| [Dual CPU] Intel Xeon E5520 @ 2.27GHz      | 7425                                 | 284                    | 23.21                        | \$319.90*    |
| [Dual CPU] Intel Xeon E5530 @ 2.40GHz      | 7704                                 | 276                    | 132.83                       | \$58.00*     |
| [Dual CPU] Intel Xeon E5540 @ 2.53GHz      | 7848                                 | 271                    | 112.11                       | \$70.00      |
| [Dual CPU] Intel Xeon E5603 @ 1.60GHz      | 4236                                 | 365                    | 16.41                        | \$258.08*    |
| [Dual CPU] Intel Xeon E5606 @ 2.13GHz      | 5553                                 | 334                    | 12.68                        | \$438.00*    |
| [Dual CPU] Intel Xeon E5607 @ 2.27GHz      | 5992                                 | 321                    | 6.67                         | \$897.90     |
| [Dual CPU] Intel Xeon E5620 @ 2.40GHz      | 8078                                 | 264                    | 186.73                       | \$43.26      |
| [Dual CPU] Intel Xeon E5630 @ 2.53GHz      | 8326                                 | 256                    | 88.52                        | \$94.06*     |
| [Dual CPU] Intel Xeon E5640 @ 2.67GHz      | 8790                                 | 242                    | 73.88                        | \$118.98*    |
| [Dual CPU] Intel Xeon E5645 @ 2.40GHz      | 10323                                | 208                    | 47.80                        | \$215.96     |
| [Dual CPU] Intel Xeon E5649 @ 2.53GHz      | 10296                                | 209                    | 44.77                        | \$230.00*    |
| [Dual CPU] Intel Xeon E7340 @ 2.40GHz      | 5444                                 | 335                    | 87.81                        | \$62.00*     |
| [Dual CPU] Intel Xeon E7440 @ 2.40GHz      | 5376                                 | 338                    | 29.87                        | \$179.98*    |
| [Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz  | 21833                                | 74                     | 7.99                         | \$2,731.06*  |
| [Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz  | 24299                                | 51                     | NA                           | NA           |
| [Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz | 21250                                | 79                     | NA                           | NA           |
| [Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz  | 20751                                | 87                     | 7.70                         | \$2,696.00*  |
| [Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz  | 25997                                | 43                     | 8.33                         | \$3,122.00*  |
| [Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz  | 17491                                | 113                    | 6.78                         | \$2,577.98*  |
| [Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz  | 27757                                | 32                     | 7.14                         | \$3,887.18   |
| [Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz  | 22869                                | 67                     | 6.21                         | \$3,684.54*  |
| [Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz  | 23057                                | 66                     | 5.94                         | \$3,883.98   |
| [Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz  | 27522                                | 34                     | 6.16                         | \$4,465.62*  |
| [Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz  | 26525                                | 39                     | 6.14                         | \$4,318.00   |
| [Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz  | 28778                                | 29                     | 5.37                         | \$5,355.64*  |

| CPU Name                                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
|--|--------------------------------------|------------------------|------------------------------|--------------|
| [Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz      | 35063                                | 10                     | 6.54                         | \$5,359.98   |
| [Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz      | 33297                                | 14                     | 6.43                         | \$5,179.98*  |
| [Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz      | 28848                                | 28                     | 4.96                         | \$5,810.52*  |
| [Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz      | 28886                                | 27                     | 4.94                         | \$5,850.00*  |
| [Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz      | 28993                                | 25                     | 4.34                         | \$6,678.00   |
| [Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz      | 36272                                | 5                      | 6.18                         | \$5,870.00   |
| [Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz      | 31175                                | 18                     | NA                           | NA           |
| [Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz      | 35368                                | 9                      | 4.70                         | \$7,519.98*  |
| [Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz      | 36640                                | 4                      | 4.80                         | \$7,639.92   |
| [Dual CPU] Intel Xeon L5240 @ 3.00GHz          | 4469                                 | 360                    | 71.16                        | \$62.80*     |
| [Dual CPU] Intel Xeon L5320 @ 1.86GHz          | 4286                                 | 364                    | 30.62                        | \$139.98*    |
| [Dual CPU] Intel Xeon L5335 @ 2.00GHz          | 4891                                 | 352                    | 64.02                        | \$76.40*     |
| [Dual CPU] Intel Xeon L5408 @ 2.13GHz          | 5624                                 | 332                    | NA                           | NA           |
| [Dual CPU] Intel Xeon L5410 @ 2.33GHz          | 6120                                 | 317                    | 30.58                        | \$200.16*    |
| [Dual CPU] Intel Xeon L5420 @ 2.50GHz          | 6468                                 | 306                    | 117.60                       | \$55.00*     |
| [Dual CPU] Intel Xeon L5430 @ 2.66GHz          | 6072                                 | 319                    | 19.22                        | \$315.90*    |
| [Dual CPU] Intel Xeon L5506 @ 2.13GHz          | 4928                                 | 350                    | 11.00                        | \$448.00*    |
| [Dual CPU] Intel Xeon L5518 @ 2.13GHz          | 6904                                 | 297                    | NA                           | NA           |
| [Dual CPU] Intel Xeon L5520 @ 2.27GHz          | 6944                                 | 296                    | 268.73                       | \$25.84*     |
| [Dual CPU] Intel Xeon L5530 @ 2.40GHz          | 7939                                 | 267                    | 284.35                       | \$27.92*     |
| [Dual CPU] Intel Xeon L5630 @ 2.13GHz          | 7006                                 | 295                    | 202.14                       | \$34.66*     |
| [Dual CPU] Intel Xeon L5638 @ 2.00GHz          | 8952                                 | 238                    | 64.03                        | \$139.80*    |
| [Dual CPU] Intel Xeon L5639 @ 2.13GHz          | 9598                                 | 226                    | NA                           | NA           |
| [Dual CPU] Intel Xeon L5640 @ 2.27GHz          | 9710                                 | 224                    | 101.12                       | \$96.02*     |
| CPU Name                                       | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
| [Dual CPU] Intel Xeon MP 2.50GHz               | 550                                  | 435                    | NA                           | NA           |
| [Dual CPU] Intel Xeon MP 2.70GHz               | 539                                  | 437                    | 5.99                         | \$90.00*     |
| [Dual CPU] Intel Xeon MP 3.00GHz               | 624                                  | 431                    | NA                           | NA           |
| [Dual CPU] Intel Xeon MV 3.20GHz               | 1609                                 | 417                    | NA                           | NA           |
| [Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz | 35823                                | 7                      | 2.32                         | \$15,408.00* |
| [Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz  | 38975                                | 3                      | 3.31                         | \$11,780.00* |
| [Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz | 35438                                | 8                      | NA                           | NA           |
| [Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz | 35981                                | 6                      | NA                           | NA           |
| [Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz  | 34585                                | 11                     | 1.73                         | \$20,030.00* |
| [Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz    | 15702                                | 132                    | 17.09                        | \$918.76     |
| [Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz    | 16810                                | 120                    | 15.86                        | \$1,059.72   |
| [Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz    | 13615                                | 156                    | 12.86                        | \$1,058.42*  |
| [Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz    | 19569                                | 98                     | 13.13                        | \$1,489.98*  |
| [Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz    | 19929                                | 94                     | 8.89                         | \$2,242.32*  |
| [Dual CPU] Intel Xeon W5580 @ 3.20GHz          | 10110                                | 214                    | 47.23                        | \$214.06*    |
| [Dual CPU] Intel Xeon W5590 @ 3.33GHz          | 10348                                | 207                    | 2.06                         | \$5,017.90*  |
| [Dual CPU] Intel Xeon W5647 @ 2.93GHz          | 10279                                | 210                    | NA                           | NA           |
| [Dual CPU] Intel Xeon X5260 @ 3.33GHz          | 4768                                 | 355                    | 17.12                        | \$278.48*    |
| [Dual CPU] Intel Xeon X5270 @ 3.50GHz          | 4689                                 | 356                    | NA                           | NA           |
| [Dual CPU] Intel Xeon X5272 @ 3.40GHz          | 4890                                 | 353                    | 17.46                        | \$280.00*    |
| [Dual CPU] Intel Xeon X5355 @ 2.66GHz          | 5774                                 | 326                    | 9.31                         | \$619.90*    |

| CPU Name                                 | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
|--|--------------------------------------|------------------------|------------------------------|-------------|
| [Dual CPU] Intel Xeon X5365 @ 3.00GHz    | 6229                                 | 314                    | 31.30                        | \$199.00*   |
| [Dual CPU] Intel Xeon X5450 @ 3.00GHz    | 7472                                 | 283                    | 74.73                        | \$99.98*    |
| [Dual CPU] Intel Xeon X5460 @ 3.16GHz    | 7850                                 | 269                    | 24.54                        | \$319.90    |
| [Dual CPU] Intel Xeon X5470 @ 3.33GHz    | 8174                                 | 262                    | 21.62                        | \$378.00    |
| [Dual CPU] Intel Xeon X5472 @ 3.00GHz    | 7780                                 | 273                    | 17.29                        | \$450.00*   |
| [Dual CPU] Intel Xeon X5482 @ 3.20GHz    | 8215                                 | 260                    | 41.08                        | \$199.98*   |
| [Dual CPU] Intel Xeon X5492 @ 3.40GHz    | 8716                                 | 246                    | 3.13                         | \$2,782.58* |
| [Dual CPU] Intel Xeon X5550 @ 2.67GHz    | 8971                                 | 236                    | 259.73                       | \$34.54*    |
| [Dual CPU] Intel Xeon X5560 @ 2.80GHz    | 9084                                 | 232                    | 78.38                        | \$115.90*   |
| [Dual CPU] Intel Xeon X5570 @ 2.93GHz    | 9533                                 | 229                    | 53.56                        | \$178.00*   |
| [Dual CPU] Intel Xeon X5647 @ 2.93GHz    | 9844                                 | 221                    | 24.64                        | \$399.50*   |
| [Dual CPU] Intel Xeon X5650 @ 2.67GHz    | 11349                                | 192                    | 189.21                       | \$59.98     |
| [Dual CPU] Intel Xeon X5660 @ 2.80GHz    | 11671                                | 183                    | 58.63                        | \$199.06    |
| [Dual CPU] Intel Xeon X5667 @ 3.07GHz    | 8817                                 | 241                    | 62.98                        | \$140.00*   |
| [Dual CPU] Intel Xeon X5670 @ 2.93GHz    | 12305                                | 170                    | 93.23                        | \$131.98    |
| [Dual CPU] Intel Xeon X5672 @ 3.20GHz    | 10075                                | 216                    | 17.76                        | \$567.44*   |
| [Dual CPU] Intel Xeon X5675 @ 3.07GHz    | 12617                                | 165                    | 78.87                        | \$159.98    |
| [Dual CPU] Intel Xeon X5677 @ 3.47GHz    | 11406                                | 189                    | 54.31                        | \$210.00*   |
| [Dual CPU] Intel Xeon X5679 @ 3.20GHz    | 13618                                | 155                    | NA                           | NA          |
| [Dual CPU] Intel Xeon X5680 @ 3.33GHz    | 13603                                | 158                    | 39.77                        | \$342.02    |
| [Dual CPU] Intel Xeon X5687 @ 3.60GHz    | 11984                                | 178                    | 102.44                       | \$116.98    |
| [Dual CPU] Intel Xeon X5690 @ 3.47GHz    | 13802                                | 150                    | 43.40                        | \$318.00    |
| [Dual CPU] Intel Xeon X5698 @ 4.40GHz    | 8488                                 | 252                    | NA                           | NA          |
| [Dual CPU] Intel Xeon X7350 @ 2.93GHz    | 6594                                 | 302                    | 91.61                        | \$71.98*    |
| [Dual CPU] Intel Xeon X7460 @ 2.66GHz    | 8721                                 | 245                    | 6.15                         | \$1,417.90* |
| [Dual CPU] Intel Xeon X7550 @ 2.00GHz    | 9937                                 | 220                    | 18.07                        | \$550.00*   |
| [Dual CPU] Intel Xeon X7560 @ 2.27GHz    | 11631                                | 185                    | 264.34                       | \$44.00*    |
| [Dual CPU] Quad-Core AMD Opteron 2352    | 4171                                 | 366                    | 59.59                        | \$70.00     |
| CPU Name                                 | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD) |
| [Dual CPU] Quad-Core AMD Opteron 2358 SE | 5042                                 | 347                    | 15.28                        | \$330.00*   |
| [Dual CPU] Quad-Core AMD Opteron 8350    | 4290                                 | 363                    | 9.75                         | \$439.98*   |
| [Dual CPU] Quad-Core AMD Opteron 8356    | 4376                                 | 362                    | 199.09                       | \$21.98*    |
| [Dual CPU] Quad-Core AMD Opteron 8378    | 5382                                 | 337                    | 30.51                        | \$176.42*   |
| [Dual CPU] Quad-Core AMD Opteron 8393 SE | 6864                                 | 299                    | NA                           | NA          |
| [Dual CPU] Six-Core AMD Opteron 2419 EE  | 5654                                 | 329                    | NA                           | NA          |
| [Dual CPU] Six-Core AMD Opteron 2423 HE  | 5969                                 | 322                    | NA                           | NA          |
| [Quad CPU] AMD Opteron 6128 HE           | 8323                                 | 257                    | NA                           | NA          |
| [Quad CPU] AMD Opteron 6136              | 9767                                 | 222                    | 6.80                         | \$1,436.00* |
| [Quad CPU] AMD Opteron 6174              | 8594                                 | 249                    | 21.70                        | \$396.00    |
| [Quad CPU] AMD Opteron 6272              | 12292                                | 171                    | 4.66                         | \$2,635.56  |
| [Quad CPU] AMD Opteron 6274              | 10488                                | 203                    | 10.97                        | \$956.00    |
| [Quad CPU] AMD Opteron 6276              | 15342                                | 136                    | 47.95                        | \$319.96    |
| [Quad CPU] AMD Opteron 6278              | 12055                                | 175                    | 23.18                        | \$519.96    |
| [Quad CPU] AMD Opteron 6282 SE           | 11044                                | 195                    | 21.24                        | \$519.96    |
| [Quad CPU] AMD Opteron 6376              | 14681                                | 143                    | 56.47                        | \$260.00    |
| [Quad CPU] AMD Opteron 6380              | 12442                                | 166                    | 34.56                        | \$359.96    |
| [Quad CPU] AMD Opteron 8360 SE           | 6490                                 | 305                    | 77.26                        | \$84.00*    |
| [Quad CPU] AMD Opteron 8381 HE           | 6097                                 | 318                    | NA                           | NA          |
| [Quad CPU] AMD Opteron 8382              | 8553                                 | 251                    | 10.74                        | \$796.00*   |
| [Quad CPU] AMD Opteron 8425 HE           | 7359                                 | 286                    | NA                           | NA          |

| CPU Name                                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
|---|--------------------------------------|------------------------|------------------------------|--------------|
| [Quad CPU] AMD Opteron 8431                   | 8252                                 | 259                    | 147.46                       | \$55.96*     |
| [Quad CPU] AMD Opteron 8435                   | 7099                                 | 292                    | 24.65                        | \$288.00     |
| [Quad CPU] AMD Opteron 8439 SE                | 8943                                 | 239                    | 29.81                        | \$300.00*    |
| [Quad CPU] Intel Xeon 3.00GHz                 | 1472                                 | 418                    | NA                           | NA           |
| [Quad CPU] Intel Xeon 3.40GHz                 | 3395                                 | 378                    | NA                           | NA           |
| [Quad CPU] Intel Xeon E5-4617 @ 2.90GHz       | 16874                                | 119                    | 46.92                        | \$359.60*    |
| [Quad CPU] Intel Xeon E5-4620 @ 2.20GHz       | 15924                                | 130                    | 21.06                        | \$756.00     |
| [Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz    | 24511                                | 50                     | NA                           | NA           |
| [Quad CPU] Intel Xeon E5-4650 @ 2.70GHz       | 21372                                | 78                     | 55.95                        | \$381.96*    |
| [Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz    | 16028                                | 128                    | NA                           | NA           |
| [Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz   | 31897                                | 16                     | NA                           | NA           |
| [Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz      | 17269                                | 116                    | 107.96                       | \$159.96*    |
| [Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz      | 17337                                | 115                    | 131.38                       | \$131.96*    |
| [Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz      | 14622                                | 144                    | 15.69                        | \$932.00*    |
| [Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz      | 12698                                | 164                    | 15.87                        | \$799.96*    |
| [Quad CPU] Intel Xeon E7330 @ 2.40GHz         | 7021                                 | 294                    | 20.65                        | \$340.00*    |
| [Quad CPU] Intel Xeon E7430 @ 2.13GHz         | 7751                                 | 274                    | NA                           | NA           |
| [Quad CPU] Intel Xeon E7440 @ 2.40GHz         | 10195                                | 212                    | 28.32                        | \$359.96*    |
| [Quad CPU] Intel Xeon E7450 @ 2.40GHz         | 9573                                 | 227                    | 40.56                        | \$236.00*    |
| [Quad CPU] Intel Xeon E7520 @ 1.87GHz         | 9041                                 | 233                    | 14.31                        | \$631.80*    |
| [Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz     | 26139                                | 42                     | 5.07                         | \$5,155.96*  |
| [Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz     | 40785                                | 2                      | 2.71                         | \$15,039.96* |
| [Quad CPU] Intel Xeon L7455 @ 2.13GHz         | 9741                                 | 223                    | NA                           | NA           |
| [Quad CPU] Intel Xeon Platinum 8180 @ 2.50GHz | 44139                                | 1                      | 1.10                         | \$40,060.00* |
| [Quad CPU] Intel Xeon X7350 @ 2.93GHz         | 9542                                 | 228                    | 66.28                        | \$143.96*    |
| [Quad CPU] Intel Xeon X7460 @ 2.66GHz         | 12068                                | 174                    | 4.26                         | \$2,835.80*  |
| [Quad CPU] Intel Xeon X7542 @ 2.67GHz         | 8636                                 | 248                    | 6.36                         | \$1,356.96*  |
| [Quad CPU] Intel Xeon X7550 @ 2.00GHz         | 11498                                | 187                    | 10.45                        | \$1,100.00*  |
| CPU Name                                      | Passmark CPU Mark (higher is better) | Rank (lower is better) | CPU Value (higher is better) | Price (USD)  |
| [Quad CPU] Intel Xeon X7560 @ 2.27GHz         | 15414                                | 135                    | 175.16                       | \$88.00*     |
| [Quad CPU] Quad-Core AMD Opteron 8356         | 7170                                 | 288                    | 163.10                       | \$43.96*     |

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