CPU Benchmarks

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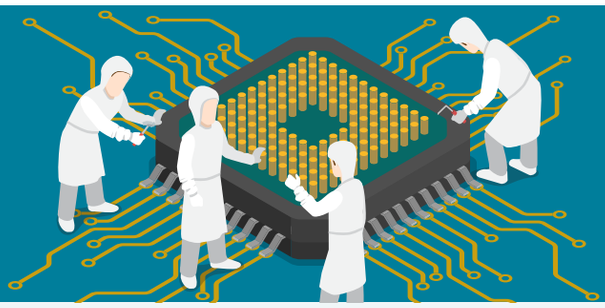

CPU List

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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CPUS
High End
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Low End
Best Value (On Market)
Best Value XY Scatter
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Power Performance
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AMD vs Intel Market Share

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	2820	NA	NA
AMD A4 Micro-6400T APU	1544	2010	NA	NA
AMD A4 PRO-3340B	2402	1614	NA	NA
AMD A4 PRO-7300B APU	2353	1635	NA	NA
AMD A4 PRO-7350B	2227	1688	NA	NA
AMD A4-1200 APU	632	2500	NA	NA
AMD A4-1250 APU	622	2507	NA	NA
AMD A4-3300 APU	1503	2035	115.75	$12.99
AMD A4-3300M APU	1188	2199	39.62	$29.99*
AMD A4-3305M APU	1227	2177	39.85	$30.81
AMD A4-3310MX APU	1286	2140	NA	NA
AMD A4-3320M APU	1253	2163	34.93	$35.90
AMD A4-3330MX APU	1218	2181	NA	NA
AMD A4-3400 APU	1593	1994	18.12	$87.95
AMD A4-3420 APU	1664	1954	NA	NA
AMD A4-4000 APU	1831	1868	14.27	$128.27*
AMD A4-4020 APU	1909	1825	23.00	$83.00
AMD A4-4300M APU	1613	1982	40.48	$39.86
AMD A4-4355M APU	1177	2203	NA	NA
AMD A4-5000 APU	1918	1819	NA	NA
AMD A4-5050 APU	2124	1728	NA	NA
AMD A4-5100 APU	2060	1755	NA	NA
AMD A4-5150M APU	1864	1849	NA	NA

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AMD A4-5300 APU	2018	1772	18.30	$110.32*
AMD A4-5300B APU	2149	1715	56.56	$38.00*
AMD A4-6210 APU	2172	1705	NA	NA
AMD A4-6250J APU	2553	1559	NA	NA
AMD A4-6300 APU	2225	1689	48.87	$45.55*
AMD A4-6300B APU	2159	1713	21.59	$100.00*
AMD A4-6320 APU	2329	1638	33.29	$69.99*
AMD A4-7210 APU	2529	1566	NA	NA
AMD A4-7300 APU	2312	1647	20.65	$112.00
AMD A4-9120	1949	1804	NA	NA
AMD A4-9120C	1539	2013	NA	NA
AMD A4-9125	2001	1779	NA	NA
AMD A6 Micro-6500T APU	1834	1865	NA	NA
AMD A6 PRO-7050B APU	1616	1980	NA	NA
AMD A6 PRO-7400B	2621	1532	NA	NA
AMD A6-1450 APU	1539	2014	NA	NA
AMD A6-3400M APU	1888	1838	63.01	$29.97*
AMD A6-3410MX APU	2058	1758	515.98	$3.99*
AMD A6-3420M APU	2004	1778	NA	NA
AMD A6-3430MX APU	2200	1699	NA	NA
AMD A6-3500 APU	2030	1767	50.78	$39.99*
AMD A6-3600 APU	2707	1510	117.76	$22.99*
AMD A6-3620 APU	2793	1479	46.57	$59.99*
AMD A6-3650 APU	3143	1362	98.26	$31.99*
AMD A6-3670 APU	3166	1350	5.19	$610.00*
AMD A6-4400M APU	1643	1966	205.72	$7.99*
AMD A6-4455M APU	1286	2141	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD A6-5200 APU	2436	1603	NA	NA
AMD A6-5345M APU	1476	2046	NA	NA
AMD A6-5350M APU	1906	1827	44.20	$43.12
AMD A6-5357M APU	1953	1802	NA	NA
AMD A6-5400B APU	2250	1677	21.43	$105.04*
AMD A6-5400K APU	2160	1711	34.83	$62.02
AMD A6-6310 APU	2467	1593	NA	NA
AMD A6-6400B APU	2281	1661	NA	NA
AMD A6-6400K APU	2313	1645	28.46	$81.27
AMD A6-6420B APU	2612	1535	NA	NA
AMD A6-6420K APU	2388	1622	15.92	$149.99*
AMD A6-7000	1667	1951	NA	NA
AMD A6-7310 APU	2673	1518	NA	NA

AMD A6-7400K APU	2783	1484	34.59	$80.49
AMD A6-7470K	2727	1503	20.52	$132.91
AMD A6-7480	3137	1363	71.33	$43.99*
AMD A6-8500P	2202	1698	NA	NA
AMD A6-8550	3032	1396	NA	NA
AMD A6-9200	1747	1901	NA	NA
AMD A6-9210	1764	1891	NA	NA
AMD A6-9220	2166	1709	NA	NA
AMD A6-9220C	2017	1773	NA	NA
AMD A6-9220e	1629	1975	NA	NA
AMD A6-9225	2130	1723	NA	NA
AMD A6-9230	2102	1736	NA	NA
AMD A6-9500	3054	1390	48.63	$62.81
AMD A6-9500E	2889	1452	39.85	$72.50*
AMD A8 PRO-7150B APU	2655	1522	NA	NA
AMD A8 PRO-7600B APU	4752	982	NA	NA
AMD A8-3500M APU	1980	1786	28.31	$69.95
AMD A8-3510MX APU	2414	1609	NA	NA
AMD A8-3520M APU	2170	1707	NA	NA
AMD A8-3530MX APU	2354	1633	NA	NA
AMD A8-3550MX APU	2610	1536	NA	NA
AMD A8-3800 APU	3011	1400	52.84	$56.99*
AMD A8-3820 APU	3106	1373	24.86	$124.99*
AMD A8-3850 APU	3458	1268	32.72	$105.68*
AMD A8-3870K APU	3537	1246	23.64	$149.67*
AMD A8-4500M APU	2666	1520	NA	NA
AMD A8-4555M APU	2123	1729	NA	NA
AMD A8-5500 APU	3998	1132	70.77	$56.50*
AMD A8-5500B APU	4045	1124	NA	NA
AMD A8-5545M APU	2582	1546	NA	NA
AMD A8-5550M APU	3003	1405	NA	NA
AMD A8-5557M APU	2956	1421	NA	NA
AMD A8-5600K APU	4341	1068	18.93	$229.30
AMD A8-6410 APU	2575	1550	NA	NA
AMD A8-6500 APU	4393	1058	46.26	$94.99*
AMD A8-6500B APU	4612	1009	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD A8-6500T APU	3276	1314	NA	NA
AMD A8-6600K APU	4592	1017	47.35	$96.99*
AMD A8-7050	1824	1870	NA	NA
AMD A8-7100 APU	2805	1478	NA	NA
AMD A8-7200P	3338	1300	NA	NA

AMD A8-7410 APU	2748	1497	NA	NA
AMD A8-7600 APU	5063	921	34.46	$146.94*
AMD A8-7650K	4932	949	42.90	$114.99
AMD A8-7670K	5083	914	31.56	$161.10*
AMD A8-7680	5322	881	88.73	$59.99*
AMD A8-8600P	3248	1320	NA	NA
AMD A8-8650	5465	857	NA	NA
AMD A8-9600	4968	943	70.51	$70.46
AMD A9-9400	2306	1649	NA	NA
AMD A9-9410	2544	1564	NA	NA
AMD A9-9420	2340	1637	NA	NA
AMD A9-9420e	1792	1883	NA	NA
AMD A9-9425	2493	1584	NA	NA
AMD A9-9430	2524	1569	NA	NA
AMD A10 Micro-6700T APU	1970	1792	NA	NA
AMD A10 PRO-7350B APU	3157	1355	NA	NA
AMD A10 PRO-7800B APU	4979	939	NA	NA
AMD A10 PRO-7850B APU	5380	870	NA	NA
AMD A10-4600M APU	3115	1372	38.96	$79.95*
AMD A10-4655M APU	2605	1538	NA	NA
AMD A10-4657M APU	2906	1440	NA	NA
AMD A10-5700 APU	4214	1095	65.35	$64.50*
AMD A10-5745M APU	2764	1491	NA	NA
AMD A10-5750M APU	3341	1298	NA	NA
AMD A10-5757M APU	3084	1379	NA	NA
AMD A10-5800B APU	4614	1008	NA	NA
AMD A10-5800K APU	4649	1000	31.00	$149.99*
AMD A10-6700 APU	4605	1012	39.37	$116.99*
AMD A10-6700T APU	3693	1209	25.02	$147.61*
AMD A10-6790K APU	4718	988	49.68	$94.99*
AMD A10-6800B APU	4822	969	NA	NA
AMD A10-6800K APU	4857	965	55.35	$87.76*
AMD A10-7300 APU	2905	1442	NA	NA
AMD A10-7400P	3606	1227	NA	NA
AMD A10-7700K APU	5120	909	40.81	$125.47*
AMD A10-7800 APU	4974	941	48.11	$103.39*
AMD A10-7850K APU	5469	855	32.68	$167.33*
AMD A10-7860K	5045	926	28.83	$175.00*
AMD A10-7870K	5476	852	24.12	$226.99*
AMD A10-7890K	5706	821	28.53	$199.99*
AMD A10-8700P	3442	1272	NA	NA
AMD A10-8750	5064	920	NA	NA

AMD A10-8850	5604	833	NA	NA
AMD A10-9600P	3766	1187	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD A10-9620P	3679	1211	NA	NA
AMD A10-9630P	4474	1041	NA	NA
AMD A10-9700	5383	869	64.59	$83.35
AMD A10-9700E	4747	985	43.17	$109.98
AMD A12-9700P	3712	1204	NA	NA
AMD A12-9720P	3993	1133	NA	NA
AMD A12-9730P	4417	1055	NA	NA
AMD A12-9800	5584	835	37.67	$148.24*
AMD A12-9800E	5087	913	38.72	$131.38*
AMD Athlon64 X2 Dual Core 4600+	1108	2245	NA	NA
AMD Athlon 4	279	2840	4.00	$69.99
AMD Athlon 64 2000+	116	2974	NA	NA
AMD Athlon 64 2200+	575	2532	NA	NA
AMD Athlon 64 2600+	374	2714	NA	NA
AMD Athlon 64 2800+	438	2643	4.38	$99.99*
AMD Athlon 64 3000+	464	2611	7.74	$60.00
AMD Athlon 64 3200+	492	2582	3.29	$149.95*
AMD Athlon 64 3300+	576	2531	NA	NA
AMD Athlon 64 3400+	545	2542	NA	NA
AMD Athlon 64 3500+	541	2548	4.97	$108.95
AMD Athlon 64 3600+	601	2516	NA	NA
AMD Athlon 64 3700+	598	2517	8.67	$69.00*
AMD Athlon 64 3800+	589	2521	3.28	$179.95*
AMD Athlon 64 4000+	608	2511	3.32	$183.27*
AMD Athlon 64 FX-25	794	2427	NA	NA
AMD Athlon 64 FX-34	380	2707	NA	NA
AMD Athlon 64 FX-51	437	2644	NA	NA
AMD Athlon 64 FX-53	646	2492	21.57	$29.99*
AMD Athlon 64 FX-55	721	2457	4.01	$179.95*
AMD Athlon 64 FX-57	730	2453	NA	NA
AMD Athlon 64 FX-59	715	2460	NA	NA
AMD Athlon 64 FX-60 Dual Core	1282	2145	NA	NA
AMD Athlon 64 FX-62 Dual Core	1573	1999	NA	NA
AMD Athlon 64 FX-72	1794	1881	NA	NA
AMD Athlon 64 FX-74	1495	2039	2.99	$499.50*
AMD Athlon 64 X2 3800+	958	2340	NA	NA
AMD Athlon 64 X2 4200+	1285	2142	4.16	$308.95*
AMD Athlon 64 X2 Dual Core 3400+	994	2313	NA	NA

AMD Athlon 64 X2 Dual Core 3600+	962	2334	16.03	$60.00
AMD Athlon 64 X2 Dual Core 3800+	999	2307	NA	NA
AMD Athlon 64 X2 Dual Core 4000+	1045	2278	NA	NA
AMD Athlon 64 X2 Dual Core 4200+	1098	2248	5.49	$199.95
AMD Athlon 64 X2 Dual Core 4400+	1144	2227	19.08	$60.00
AMD Athlon 64 X2 Dual Core 4600+	1219	2180	3.39	$359.95
AMD Athlon 64 X2 Dual Core 4800+	1253	2164	2.73	$459.95*
AMD Athlon 64 X2 Dual Core 5000+	1313	2122	3.96	$331.49*
AMD Athlon 64 X2 Dual Core 5200+	1381	2086	23.03	$60.00
AMD Athlon 64 X2 Dual Core 5400+	1450	2057	27.37	$52.99*
AMD Athlon 64 X2 Dual Core 5600+	1485	2043	8.25	$179.95
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon 64 X2 Dual Core 5800+	1516	2025	60.68	$24.99*
AMD Athlon 64 X2 Dual Core 6000+	1603	1986	34.89	$45.95
AMD Athlon 64 X2 Dual Core 6400+	1784	1885	6.87	$259.95
AMD Athlon 64 X2 Dual Core BE-230	1095	2251	NA	NA
AMD Athlon 64 X2 Dual Core BE-2300	1082	2262	NA	NA
AMD Athlon 64 X2 Dual Core BE-2350	1044	2279	NA	NA
AMD Athlon 64 X2 Dual Core TK-53	839	2404	28.02	$29.97*
AMD Athlon 64 X2 Dual Core TK-55	839	2406	14.53	$57.74*
AMD Athlon 64 X2 Dual Core TK-57	971	2328	NA	NA
AMD Athlon 64 X2 Dual-Core TK-42	877	2384	NA	NA
AMD Athlon 64 X2 Dual-Core TK-53	820	2413	NA	NA
AMD Athlon 64 X2 Dual-Core TK-55	870	2386	11.97	$72.74*
AMD Athlon 64 X2 Dual-Core TK-57	924	2363	NA	NA
AMD Athlon 64 X2 QL-60	925	2361	NA	NA
AMD Athlon 64 X2 QL-62	1005	2302	NA	NA
AMD Athlon 64 X2 QL-64	990	2317	NA	NA
AMD Athlon 64 X2 QL-65	1050	2277	NA	NA
AMD Athlon 64 X2 QL-66	947	2350	NA	NA
AMD Athlon 64 X2 QL-67	1006	2301	NA	NA
AMD Athlon 64 X2 TK-55	955	2341	NA	NA
AMD Athlon 64 X2 TK-57	988	2318	NA	NA
AMD Athlon 200GE	4956	945	75.18	$65.92
AMD Athlon 220GE	5237	890	84.99	$61.62
AMD Athlon 240GE	5478	850	87.39	$62.69
AMD Athlon 300U	4688	994	NA	NA
AMD Athlon 1500+	294	2812	NA	NA
AMD Athlon 1640B	670	2483	13.42	$50.00*
AMD Athlon 2000+	390	2703	NA	NA
AMD Athlon 2100+	412	2665	NA	NA
AMD Athlon 2200+	363	2732	4.55	$79.99*

AMD Athlon 2400+	462	2615	NA	NA
AMD Athlon 2500+	374	2712	2.04	$183.99*
AMD Athlon 2600+	444	2636	4.23	$104.95*
AMD Athlon 2650e	407	2672	21.47	$19.00*
AMD Athlon 2800+	447	2631	3.20	$139.95*
AMD Athlon 2850e	506	2574	NA	NA
AMD Athlon 3100+	485	2593	NA	NA
AMD Athlon 3200+	458	2619	7.63	$60.00*
AMD Athlon 5000 Dual-Core	1292	2135	10.78	$119.95
AMD Athlon 5150 APU	2105	1734	13.16	$159.95
AMD Athlon 5200 Dual-Core	1266	2158	42.23	$29.99*
AMD Athlon 5350 APU	2609	1537	22.29	$117.09
AMD Athlon 5370 APU	2915	1436	45.77	$63.70*
AMD Athlon 7450 Dual-Core	1449	2058	NA	NA
AMD Athlon 7550 Dual-Core	1472	2047	24.54	$60.00*
AMD Athlon 7750 Dual-Core	1570	2000	10.27	$152.99
AMD Athlon 7850 Dual-Core	1710	1920	8.16	$209.65*
AMD Athlon 7850 Dual-Core 2.8G	288	2823	NA	NA
AMD Athlon Dual Core 4050e	1086	2257	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon Dual Core 4450B	1168	2212	37.69	$31.00*
AMD Athlon Dual Core 4450e	1110	2242	NA	NA
AMD Athlon Dual Core 4850B	1391	2080	NA	NA
AMD Athlon Dual Core 4850e	1314	2121	33.71	$39.00*
AMD Athlon Dual Core 5000B	1308	2125	13.77	$95.00*
AMD Athlon Dual Core 5050e	1343	2107	22.39	$60.00*
AMD Athlon Dual Core 5200B	1316	2120	NA	NA
AMD Athlon Dual Core 5400B	1420	2069	NA	NA
AMD Athlon Dual Core 5600B	1304	2128	NA	NA
AMD Athlon II 160u	563	2538	18.78	$29.99*
AMD Athlon II 170u	626	2504	20.91	$29.95*
AMD Athlon II Dual-Core M300	1112	2239	NA	NA
AMD Athlon II Dual-Core M320	1141	2229	38.05	$30.00*
AMD Athlon II Dual-Core M340	1056	2274	NA	NA
AMD Athlon II N330 Dual-Core	1154	2221	NA	NA
AMD Athlon II N350 Dual-Core	1249	2170	NA	NA
AMD Athlon II N370 Dual-Core	1559	2005	NA	NA
AMD Athlon II Neo K125	473	2605	NA	NA
AMD Athlon II Neo K145	525	2557	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2432	29.84	$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2396	NA	NA
AMD Athlon II Neo N36L Dual-Core	795	2426	NA	NA

AMD Athlon II P320 Dual-Core	1216	2182	40.61	$29.95*
AMD Athlon II P340 Dual-Core	1250	2168	27.82	$44.95*
AMD Athlon II P360 Dual-Core	1319	2119	55.00	$24.00*
AMD Athlon II X2 210e	1486	2041	NA	NA
AMD Athlon II X2 215	1566	2003	130.68	$11.99*
AMD Athlon II X2 220	1634	1972	50.77	$32.19
AMD Athlon II X2 225	1526	2018	NA	NA
AMD Athlon II X2 235e	1657	1960	9.11	$181.88*
AMD Athlon II X2 240	1643	1967	47.02	$34.95
AMD Athlon II X2 240e	1700	1932	48.64	$34.95*
AMD Athlon II X2 245	1662	1958	47.56	$34.95*
AMD Athlon II X2 245e	1709	1924	21.37	$80.00*
AMD Athlon II X2 250	1740	1903	44.70	$38.95
AMD Athlon II X2 250e	1939	1807	25.28	$76.73*
AMD Athlon II X2 250u	1004	2303	28.74	$34.95*
AMD Athlon II X2 255	1841	1860	28.24	$65.22*
AMD Athlon II X2 260	1877	1841	93.92	$19.99*
AMD Athlon II X2 260u	1107	2246	13.28	$83.44*
AMD Athlon II X2 265	1892	1833	22.84	$82.88*
AMD Athlon II X2 270	1975	1789	82.35	$23.99*
AMD Athlon II X2 270u	1285	2144	18.99	$67.67*
AMD Athlon II X2 280	2129	1724	21.30	$99.99*
AMD Athlon II X2 4300e	1483	2044	NA	NA
AMD Athlon II X2 4400e	1632	1974	NA	NA
AMD Athlon II X2 4450e	1504	2032	NA	NA
AMD Athlon II X2 B22	1715	1916	41.16	$41.69*
AMD Athlon II X2 B24	1780	1887	44.57	$39.95
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon II X2 B26	1906	1826	42.42	$44.95
AMD Athlon II X2 B28	2085	1744	42.52	$49.05*
AMD Athlon II X3 400e	2009	1777	18.70	$107.43*
AMD Athlon II X3 405e	2000	1781	25.00	$79.99*
AMD Athlon II X3 415e	2247	1678	29.97	$75.00*
AMD Athlon II X3 420e	2285	1658	19.68	$116.15*
AMD Athlon II X3 425	2314	1644	85.74	$26.99*
AMD Athlon II X3 425e	2239	1684	NA	NA
AMD Athlon II X3 435	2470	1591	82.38	$29.99*
AMD Athlon II X3 440	2567	1554	95.12	$26.99*
AMD Athlon II X3 445	2574	1551	28.29	$91.00*
AMD Athlon II X3 450	2621	1534	68.97	$38.01
AMD Athlon II X3 455	2765	1490	70.92	$38.99*

AMD Athlon II X3 460	2864	1458	73.46	$38.99*
AMD Athlon II X4 553	3814	1175	NA	NA
AMD Athlon II X4 555	3830	1170	NA	NA
AMD Athlon II X4 559	4125	1113	NA	NA
AMD Athlon II X4 600e	2465	1594	18.93	$130.23*
AMD Athlon II X4 605e	2716	1507	26.69	$101.80*
AMD Athlon II X4 610e	2793	1480	39.92	$69.99*
AMD Athlon II X4 615e	2899	1448	49.15	$59.00*
AMD Athlon II X4 620	2928	1433	48.86	$59.95
AMD Athlon II X4 620e	2906	1441	NA	NA
AMD Athlon II X4 630	3130	1365	49.73	$62.95
AMD Athlon II X4 631 Quad-Core	3149	1360	39.37	$80.00*
AMD Athlon II X4 635	3231	1327	46.20	$69.95*
AMD Athlon II X4 638 Quad-Core	3198	1338	120.73	$26.49*
AMD Athlon II X4 640	3315	1304	41.46	$79.95
AMD Athlon II X4 641 Quad-Core	3343	1296	36.54	$91.50*
AMD Athlon II X4 645	3466	1266	43.35	$79.95
AMD Athlon II X4 650	3482	1262	20.90	$166.60*
AMD Athlon II X4 651 Quad-Core	3575	1237	20.08	$178.04*
AMD Athlon II X4 655	2998	1407	NA	NA
AMD Athlon II X4 6400e	2594	1541	NA	NA
AMD Athlon L110	303	2793	NA	NA
AMD Athlon LE-1600	557	2540	26.57	$21.00*
AMD Athlon LE-1620	578	2529	32.12	$18.00*
AMD Athlon LE-1640	626	2503	NA	NA
AMD Athlon LE-1660	679	2480	NA	NA
AMD Athlon MP	230	2894	18.46	$12.49
AMD Athlon MP 1700+	339	2754	NA	NA
AMD Athlon MP 2400+	436	2645	NA	NA
AMD Athlon MP 2800+	497	2580	NA	NA
AMD Athlon Neo MV-40	410	2668	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2306	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2431	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2408	NA	NA
AMD Athlon PRO 200GE	5163	902	NA	NA
AMD Athlon PRO 300GE	5560	841	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon QI-46	473	2604	NA	NA
AMD Athlon TF-20	413	2664	NA	NA
AMD Athlon TF-36	395	2691	NA	NA
AMD Athlon X2 215	1543	2011	NA	NA
AMD Athlon X2 235e	1806	1876	NA	NA

AMD Athlon X2 240	1602	1987	NA	NA
AMD Athlon X2 240e	1670	1949	NA	NA
AMD Athlon X2 250	1696	1935	NA	NA
AMD Athlon X2 255	1627	1976	NA	NA
AMD Athlon X2 280	2303	1652	68.77	$33.49*
AMD Athlon X2 340 Dual Core	1932	1813	38.66	$49.99*
AMD Athlon X2 370K Dual Core	2251	1676	NA	NA
AMD Athlon X2 440	1424	2068	NA	NA
AMD Athlon X2 Dual Core 3250e	778	2430	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2310	NA	NA
AMD Athlon X2 Dual Core BE-2300	920	2367	NA	NA
AMD Athlon X2 Dual Core BE-2350	1109	2243	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2183	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	2166	NA	NA
AMD Athlon X2 Dual Core L310	645	2493	NA	NA
AMD Athlon X2 Dual Core LS-5800	1009	2299	NA	NA
AMD Athlon X3 425	2191	1702	NA	NA
AMD Athlon X3 435	2574	1552	26.96	$95.49*
AMD Athlon X3 440	2078	1746	23.62	$87.99*
AMD Athlon X3 445	2314	1643	NA	NA
AMD Athlon X3 455	2401	1615	NA	NA
AMD Athlon X4 605e	2505	1579	NA	NA
AMD Athlon X4 620	2861	1459	47.74	$59.95
AMD Athlon X4 635	2891	1451	23.71	$121.99*
AMD Athlon X4 640	3172	1346	NA	NA
AMD Athlon X4 740 Quad Core	4031	1128	14.55	$277.00*
AMD Athlon X4 750 Quad Core	4551	1023	NA	NA
AMD Athlon X4 750K Quad Core	4273	1082	55.50	$76.99*
AMD Athlon X4 760K Quad Core	4597	1015	109.51	$41.98*
AMD Athlon X4 830	4701	991	NA	NA
AMD Athlon X4 840	5071	917	64.41	$78.74*
AMD Athlon X4 845	5408	862	101.80	$53.13*
AMD Athlon X4 860K	5410	861	40.09	$134.95*
AMD Athlon X4 870K	5320	883	66.52	$79.99*
AMD Athlon X4 880K	5580	837	55.81	$99.99*
AMD Athlon X4 950	5225	891	63.33	$82.50
AMD Athlon XP1600+	281	2836	NA	NA
AMD Athlon XP1900+	353	2741	NA	NA
AMD Athlon XP2100+	287	2825	NA	NA
AMD Athlon XP2200+	401	2683	NA	NA
AMD Athlon XP2400+	374	2713	NA	NA
AMD Athlon XP 1500	282	2835	NA	NA

AMD Athlon XP 1500+	257	2865	NA	NA
AMD Athlon XP 1600+	267	2855	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Athlon XP 1700	344	2751	NA	NA
AMD Athlon XP 1700+	271	2850	4.43	$61.25*
AMD Athlon XP 1800+	300	2800	5.10	$58.95*
AMD Athlon XP 1900+	312	2784	NA	NA
AMD Athlon XP 2000+	299	2801	12.00	$24.99*
AMD Athlon XP 2100+	323	2768	NA	NA
AMD Athlon XP 2200+	328	2767	3.87	$84.95*
AMD Athlon XP 2300+	464	2612	NA	NA
AMD Athlon XP 2400+	360	2734	4.01	$89.99*
AMD Athlon XP 2500+	355	2738	NA	NA
AMD Athlon XP 2600+	372	2718	16.18	$23.03*
AMD Athlon XP 2700+	393	2694	4.64	$84.79*
AMD Athlon XP 2800+	400	2685	NA	NA
AMD Athlon XP 2900+	424	2658	NA	NA
AMD Athlon XP 3000+	402	2681	5.06	$79.70*
AMD Athlon XP 3100+	433	2649	NA	NA
AMD Athlon XP 3200+	432	2650	NA	NA
AMD Athlon XP 3400+	570	2535	NA	NA
AMD Athlon XP Pro3+	367	2725	NA	NA
AMD Athlon XP-M	541	2549	15.48	$34.95*
AMD C-30	310	2786	NA	NA
AMD C-50	462	2614	NA	NA
AMD C-60	466	2608	NA	NA
AMD C-60 APU	545	2543	NA	NA
AMD C-70 APU	558	2539	NA	NA
AMD E1 Micro-6200T APU	960	2338	NA	NA
AMD E1-1200 APU	655	2490	NA	NA
AMD E1-1500 APU	688	2475	NA	NA
AMD E1-2100 APU	642	2498	NA	NA
AMD E1-2200 APU	767	2434	NA	NA
AMD E1-2500 APU	894	2381	NA	NA
AMD E1-6010 APU	868	2388	NA	NA
AMD E1-6015 APU	900	2377	NA	NA
AMD E1-7010 APU	1018	2295	NA	NA
AMD E2-1800 APU	814	2414	NA	NA
AMD E2-2000 APU	825	2410	NA	NA
AMD E2-3000 APU	1140	2230	NA	NA
AMD E2-3000M APU	1093	2252	54.65	$20.00*

AMD E2-3200 APU	1380	2087	172.79	$7.99*
AMD E2-3800 APU	1645	1965	NA	NA
AMD E2-6110 APU	1917	1822	NA	NA
AMD E2-7110 APU	2290	1654	NA	NA
AMD E2-9000	1650	1964	NA	NA
AMD E2-9000e	1324	2117	NA	NA
AMD E2-9010	1705	1927	NA	NA
AMD E2-9030	1515	2027	NA	NA
AMD E-240	319	2774	NA	NA
AMD E-300 APU	609	2510	NA	NA
AMD E-350	745	2448	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD E-350 APU	759	2440	NA	NA
AMD E-350D APU	726	2455	NA	NA
AMD E-450 APU	766	2435	NA	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1758	1893	NA	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1741	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2508	1577	NA	NA
AMD Embedded R-Series RX-216GD	2409	1612	NA	NA
AMD Embedded R-Series RX-418GD Radeon R6	5068	918	NA	NA
AMD Embedded R-Series RX-421BD	4635	1004	NA	NA
AMD EPYC 3201	9634	414	NA	NA
AMD EPYC 3251	11690	286	37.11	$315.00*
AMD EPYC 7251	11811	281	19.90	$593.70
AMD EPYC 7301	14978	179	14.12	$1,060.95
AMD EPYC 7351	18081	110	14.16	$1,276.83
AMD EPYC 7351P	14887	181	15.71	$947.33
AMD EPYC 7371	22071	50	14.24	$1,550.00*
AMD EPYC 7401P	20221	75	21.23	$952.34
AMD EPYC 7501	18942	98	9.19	$2,060.86
AMD EPYC 7502P	23465	41	10.20	$2,300.00*
AMD EPYC 7551	18483	102	13.02	$1,419.90
AMD EPYC 7551P	18443	104	8.70	$2,120.74
AMD EPYC 7571	20858	68	NA	NA
AMD EPYC 7702P	46067	2	10.41	$4,425.00*
AMD EPYC 7742	47365	1	6.82	$6,950.00*
AMD FirePro A320 APU	4540	1028	NA	NA
AMD FX-670K Quad-Core	4550	1025	NA	NA
AMD FX-770K Quad-Core	4814	972	NA	NA
AMD FX-870K Quad Core	5021	932	NA	NA
AMD FX-4100 Quad-Core	4076	1120	26.57	$153.45*
AMD FX-4130 Quad-Core	4162	1105	54.78	$75.99*

AMD FX-4150 Quad-Core	4594	1016	NA	NA
AMD FX-4170 Quad-Core	4870	959	48.71	$99.99*
AMD FX-4200 Quad-Core	4270	1084	18.71	$228.21*
AMD FX-4300 Quad-Core	4695	993	33.78	$139.00
AMD FX-4320	4997	936	NA	NA
AMD FX-4330	5328	879	NA	NA
AMD FX-4350 Quad-Core	5340	875	12.42	$430.00
AMD FX-6100 Six-Core	5405	864	20.95	$258.00*
AMD FX-6120 Six-Core	5752	817	NA	NA
AMD FX-6130 Six-Core	6215	760	NA	NA
AMD FX-6200 Six-Core	6107	773	17.97	$339.95
AMD FX-6300 Six-Core	6408	744	34.93	$183.46
AMD FX-6330 Six-Core	6954	688	NA	NA
AMD FX-6350 Six-Core	7023	680	48.44	$144.99
AMD FX-7500 APU	3201	1335	NA	NA
AMD FX-7600P	4050	1123	NA	NA
AMD FX-7600P APU	4627	1006	NA	NA
AMD FX-8100 Eight-Core	5884	796	41.44	$142.00*
AMD FX-8120 Eight-Core	6640	723	29.81	$222.73*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD FX-8140 Eight-Core	6133	769	NA	NA
AMD FX-8150 Eight-Core	7656	623	64.37	$118.95
AMD FX-8300 Eight-Core	7767	611	64.73	$119.99*
AMD FX-8310 Eight-Core	7735	614	NA	NA
AMD FX-8320 Eight-Core	8037	575	58.24	$138.01
AMD FX-8320E Eight-Core	7577	631	39.22	$193.19
AMD FX-8350 Eight-Core	8957	487	45.24	$198.00
AMD FX-8370 Eight-Core	9046	475	26.17	$345.74*
AMD FX-8370E Eight-Core	7864	597	24.57	$320.09
AMD FX-8800P	4199	1097	NA	NA
AMD FX-9370 Eight-Core	9460	429	17.05	$555.00
AMD FX-9590 Eight-Core	10193	359	27.91	$365.25
AMD FX-9800P	3956	1143	NA	NA
AMD FX-9830P	4783	977	NA	NA
AMD FX-B4150 Quad-Core	4611	1010	NA	NA
AMD G-T40E	467	2607	NA	NA
AMD G-T40N	516	2566	NA	NA
AMD G-T40R	203	2921	NA	NA
AMD G-T44R	229	2895	NA	NA
AMD G-T48E	667	2485	NA	NA
AMD G-T52R	308	2788	NA	NA
AMD G-T56E	751	2443	NA	NA

AMD G-T56N	796	2425	NA	NA
AMD Geode NX	264	2858	NA	NA
AMD Geode NX 1750	291	2814	NA	NA
AMD GX-210JA SOC	401	2684	NA	NA
AMD GX-212JC SOC	744	2449	NA	NA
AMD GX-217GA SOC	1107	2247	NA	NA
AMD GX-218GL SOC	1207	2187	NA	NA
AMD GX-222GC SOC	1255	2162	NA	NA
AMD GX-412HC	1497	2038	NA	NA
AMD GX-415GA SOC	1956	1797	NA	NA
AMD GX-420CA SOC	2412	1611	NA	NA
AMD GX-424CC SOC	2491	1585	NA	NA
AMD K7	403	2678	NA	NA
AMD Opteron 140	396	2689	0.62	$640.00
AMD Opteron 142	428	2654	NA	NA
AMD Opteron 144	486	2589	7.48	$65.00*
AMD Opteron 146	532	2552	8.87	$59.99*
AMD Opteron 148	603	2515	NA	NA
AMD Opteron 150	604	2513	NA	NA
AMD Opteron 152	658	2487	NA	NA
AMD Opteron 154	703	2468	NA	NA
AMD Opteron 165	899	2379	1.63	$550.00
AMD Opteron 170	1097	2249	NA	NA
AMD Opteron 175	1167	2214	NA	NA
AMD Opteron 180	1236	2173	9.51	$129.95*
AMD Opteron 185	1342	2108	NA	NA
AMD Opteron 246	632	2501	31.62	$19.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Opteron 248	476	2601	4.77	$99.95
AMD Opteron 250	649	2491	59.01	$11.00*
AMD Opteron 252	760	2439	12.00	$63.36*
AMD Opteron 254	693	2472	NA	NA
AMD Opteron 256	963	2332	50.72	$19.00*
AMD Opteron 265	963	2333	13.20	$73.00
AMD Opteron 270	1170	2210	1.93	$607.47*
AMD Opteron 275	1291	2137	15.74	$82.05*
AMD Opteron 280	1176	2204	18.10	$65.00
AMD Opteron 285	1470	2049	18.39	$79.95
AMD Opteron 290	1464	2051	10.85	$135.00*
AMD Opteron 1210	923	2364	14.21	$65.00
AMD Opteron 1210 HE	971	2327	NA	NA

AMD Opteron 1212	1009	2300	3.48	$290.00*
AMD Opteron 1212 HE	1308	2126	NA	NA
AMD Opteron 1214	1191	2197	4.11	$290.00*
AMD Opteron 1214 HE	1299	2130	NA	NA
AMD Opteron 1216	1311	2124	23.91	$54.85*
AMD Opteron 1216 HE	1172	2209	NA	NA
AMD Opteron 1218	1468	2050	NA	NA
AMD Opteron 1218 HE	1444	2059	NA	NA
AMD Opteron 1220	1653	1962	NA	NA
AMD Opteron 1222	1757	1896	NA	NA
AMD Opteron 1352	2316	1642	17.04	$135.99*
AMD Opteron 1354	2630	1530	19.49	$135.00*
AMD Opteron 1356	2765	1489	30.73	$89.99*
AMD Opteron 1381	3065	1387	NA	NA
AMD Opteron 2212	1270	2156	63.53	$20.00*
AMD Opteron 2214	1358	2102	46.85	$29.00*
AMD Opteron 2214 HE	1415	2071	NA	NA
AMD Opteron 2216	1518	2024	58.84	$25.80
AMD Opteron 2218	1594	1993	19.94	$79.95
AMD Opteron 2220	1701	1930	21.29	$79.95
AMD Opteron 2220 SE	1398	2076	55.92	$25.00*
AMD Opteron 2222	1843	1859	1.11	$1,664.98*
AMD Opteron 2224 SE	1919	1818	NA	NA
AMD Opteron 2350	2820	1470	35.28	$79.95*
AMD Opteron 2354	2450	1599	7.38	$332.03*
AMD Opteron 2356	2814	1472	54.12	$52.00*
AMD Opteron 2373 EE	2789	1483	NA	NA
AMD Opteron 2374 HE	2951	1422	45.40	$65.00
AMD Opteron 2376	2283	1659	13.69	$166.81*
AMD Opteron 2378	3179	1344	17.76	$179.00*
AMD Opteron 2380	2640	1528	58.69	$45.00
AMD Opteron 2384	3538	1244	4.21	$840.00*
AMD Opteron 2386 SE	3538	1245	NA	NA
AMD Opteron 2393 SE	2246	1679	NA	NA
AMD Opteron 2427	3069	1385	38.39	$79.95
AMD Opteron 2431	4516	1031	112.91	$40.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Opteron 2435	4708	989	72.44	$65.00
AMD Opteron 3250 HE	2942	1426	29.73	$99.00*
AMD Opteron 3260 HE	3259	1317	NA	NA
AMD Opteron 3280	5403	865	19.78	$273.18*
AMD Opteron 3320 EE	2675	1517	NA	NA

AMD Opteron 3350 HE	4186	1100	NA	NA
AMD Opteron 3365	6088	781	NA	NA
AMD Opteron 3380	6384	746	7.89	$809.00*
AMD Opteron 4122	2942	1427	23.55	$124.99*
AMD Opteron 4162 EE	3166	1349	NA	NA
AMD Opteron 4170 HE	3664	1218	62.11	$59.00*
AMD Opteron 4184	4418	1054	8.50	$519.95*
AMD Opteron 4280	6430	741	128.60	$50.00*
AMD Opteron 4284	6660	720	111.03	$59.99*
AMD Opteron 4332 HE	5614	832	NA	NA
AMD Opteron 4334	6099	777	28.18	$216.42*
AMD Opteron 4365 EE	5025	930	NA	NA
AMD Opteron 4386	6761	706	48.30	$139.99*
AMD Opteron 6128	4505	1034	237.24	$18.99
AMD Opteron 6134	2938	1428	66.81	$43.99*
AMD Opteron 6136	4631	1005	42.10	$110.00*
AMD Opteron 6164 HE	5351	874	NA	NA
AMD Opteron 6172	5261	886	26.57	$198.00*
AMD Opteron 6174	6171	764	94.94	$65.00
AMD Opteron 6176 SE	5465	858	34.37	$159.00*
AMD Opteron 6212	5776	809	192.62	$29.99*
AMD Opteron 6220	6785	703	113.11	$59.99*
AMD Opteron 6234	5938	790	198.27	$29.95*
AMD Opteron 6238	7673	621	21.32	$359.89*
AMD Opteron 6272	6748	709	96.42	$69.99
AMD Opteron 6274	4865	962	74.85	$65.00
AMD Opteron 6276	8889	497	52.60	$169.00
AMD Opteron 6282 SE	9116	464	14.24	$640.00
AMD Opteron 6287 SE	9789	399	NA	NA
AMD Opteron 6328	7813	605	21.45	$364.24
AMD Opteron 6344	9372	437	24.09	$389.00*
AMD Opteron 6366 HE	7503	634	250.19	$29.99*
AMD Opteron 6376	9212	456	139.94	$65.83
AMD Opteron 6378	9094	465	8.96	$1,014.85
AMD Opteron 6380	10081	368	168.76	$59.74
AMD Opteron 6386 SE	10912	314	75.26	$144.99
AMD Opteron 8354	2255	1675	93.98	$24.00
AMD Opteron 8439 SE	3813	1176	63.56	$60.00*
AMD Opteron X2170 APU	3059	1388	NA	NA
AMD Opteron X3216 APU	2292	1653	NA	NA
AMD Opteron X3418 APU	4659	998	NA	NA

AMD Opteron X3421 APU	4886	957	NA	NA
AMD Phenom 2 X4 12000	3005	1404	NA	NA
AMD Phenom 7950 Quad-Core	2991	1409	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Phenom 8250 Triple-Core	1668	1950	NA	NA
AMD Phenom 8250e Triple-Core	1635	1970	34.81	$46.99*
AMD Phenom 8400 Triple-Core	1632	1973	NA	NA
AMD Phenom 8450 Triple-Core	1888	1837	63.07	$29.95*
AMD Phenom 8450e Triple-Core	2026	1769	NA	NA
AMD Phenom 8600 Triple-Core	1673	1946	31.57	$52.99*
AMD Phenom 8600B Triple-Core	1924	1817	36.33	$52.99*
AMD Phenom 8650 Triple-Core	1986	1784	39.73	$49.99*
AMD Phenom 8750 Triple-Core	2058	1759	NA	NA
AMD Phenom 8750B Triple-Core	2034	1764	NA	NA
AMD Phenom 8850 Triple-Core	1968	1794	NA	NA
AMD Phenom 8850B Triple-Core	2080	1745	NA	NA
AMD Phenom 9100e Quad-Core	1833	1866	45.89	$39.95*
AMD Phenom 9150e Quad-Core	2114	1731	52.92	$39.95*
AMD Phenom 9350e Quad-Core	2320	1640	0.69	$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1539	24.76	$105.00*
AMD Phenom 9500 Quad-Core	2203	1697	76.01	$28.99*
AMD Phenom 9550 Quad-Core	2544	1563	87.77	$28.99*
AMD Phenom 9600 Quad-Core	2303	1651	46.11	$49.95*
AMD Phenom 9600B Quad-Core	2575	1549	17.50	$147.19*
AMD Phenom 9650 Quad-Core	2635	1529	58.63	$44.95
AMD Phenom 9750 Quad-Core	2810	1475	95.32	$29.49*
AMD Phenom 9750B Quad-Core	2709	1509	NA	NA
AMD Phenom 9850 Quad-Core	2887	1453	24.07	$119.99*
AMD Phenom 9850B Quad-Core	3160	1354	NA	NA
AMD Phenom 9950 Quad-Core	3009	1401	22.29	$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1571	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1424	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1223	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1260	NA	NA
AMD Phenom II N620 Dual-Core	1686	1939	422.70	$3.99*
AMD Phenom II N640 Dual-Core	1721	1912	26.51	$64.95*
AMD Phenom II N660 Dual-Core	1844	1857	18.64	$99.00*
AMD Phenom II N830 3+1	2652	1524	NA	NA
AMD Phenom II N830 Triple-Core	1890	1836	NA	NA
AMD Phenom II N850 Triple-Core	1939	1808	77.57	$25.00*
AMD Phenom II N870 Triple-Core	2000	1780	NA	NA
AMD Phenom II N930 Quad-Core	2274	1664	17.50	$129.95*

AMD Phenom II N950 Quad-Core	2483	1589	22.06	$112.60*
AMD Phenom II N970 Quad-Core	2515	1573	16.77	$149.99*
AMD Phenom II P650 Dual-Core	1579	1997	45.12	$35.00*
AMD Phenom II P820 Triple-Core	1602	1988	NA	NA
AMD Phenom II P840 Triple-Core	1709	1922	NA	NA
AMD Phenom II P860 Triple-Core	1756	1897	NA	NA
AMD Phenom II P920 Quad-Core	1866	1847	24.89	$75.00*
AMD Phenom II P940 Quad-Core	1831	1867	NA	NA
AMD Phenom II P960 Quad-Core	2086	1742	74.51	$28.00*
AMD Phenom II X2 511	2104	1735	NA	NA
AMD Phenom II X2 521	2071	1749	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Phenom II X2 545	1918	1820	43.62	$43.98*
AMD Phenom II X2 550	2023	1770	40.47	$49.99*
AMD Phenom II X2 555	2042	1761	72.98	$27.98*
AMD Phenom II X2 560	2062	1754	31.73	$64.99*
AMD Phenom II X2 565	2225	1690	10.60	$209.95*
AMD Phenom II X2 570	2068	1752	NA	NA
AMD Phenom II X2 B53	1709	1923	NA	NA
AMD Phenom II X2 B55	1926	1816	40.13	$48.00*
AMD Phenom II X2 B57	1823	1871	NA	NA
AMD Phenom II X2 B59	2124	1727	48.25	$44.04*
AMD Phenom II X3 700e	2242	1682	NA	NA
AMD Phenom II X3 705e	2227	1687	14.63	$152.34*
AMD Phenom II X3 710	2448	1600	28.97	$84.53*
AMD Phenom II X3 715	2649	1526	31.17	$84.99*
AMD Phenom II X3 720	2666	1519	38.10	$69.99*
AMD Phenom II X3 740	2985	1410	33.55	$88.99*
AMD Phenom II X3 B73	2735	1502	36.47	$75.00*
AMD Phenom II X3 B75	2897	1449	72.45	$39.99*
AMD Phenom II X3 B77	3067	1386	137.64	$22.29*
AMD Phenom II X4 805	2998	1406	17.23	$173.99*
AMD Phenom II X4 810	3120	1369	26.90	$115.99*
AMD Phenom II X4 820	3393	1282	45.28	$74.95*
AMD Phenom II X4 830	3434	1273	42.95	$79.95*
AMD Phenom II X4 840	3509	1256	39.01	$89.95*
AMD Phenom II X4 840T	3597	1229	51.39	$69.99*
AMD Phenom II X4 850	3547	1240	54.59	$64.99*
AMD Phenom II X4 900e	2882	1456	NA	NA
AMD Phenom II X4 905e	3080	1381	57.06	$53.99*
AMD Phenom II X4 910	3247	1321	32.48	$100.00*
AMD Phenom II X4 910e	3254	1319	20.73	$156.99*

AMD Phenom II X4 920	3389	1283	42.38	$79.99*
AMD Phenom II X4 925	3411	1275	77.56	$43.99*
AMD Phenom II X4 940	3590	1233	60.51	$59.34*
AMD Phenom II X4 945	3653	1220	56.24	$64.95
AMD Phenom II X4 955	3916	1157	30.09	$130.16*
AMD Phenom II X4 960T	3774	1183	8.05	$469.00
AMD Phenom II X4 965	4177	1103	49.73	$84.01
AMD Phenom II X4 970	4316	1076	29.14	$148.11*
AMD Phenom II X4 973	3759	1190	NA	NA
AMD Phenom II X4 975	4450	1048	31.86	$139.69*
AMD Phenom II X4 977	3750	1194	NA	NA
AMD Phenom II X4 980	4488	1039	19.52	$229.99*
AMD Phenom II X4 8700e	2377	1625	NA	NA
AMD Phenom II X4 B05e	2792	1481	NA	NA
AMD Phenom II X4 B15e	2736	1500	NA	NA
AMD Phenom II X4 B25	3297	1309	NA	NA
AMD Phenom II X4 B35	3387	1284	NA	NA
AMD Phenom II X4 B40	3352	1293	NA	NA
AMD Phenom II X4 B45	3470	1265	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Phenom II X4 B50	3696	1207	NA	NA
AMD Phenom II X4 B55	3853	1164	NA	NA
AMD Phenom II X4 B60	4032	1127	NA	NA
AMD Phenom II X4 B65	4172	1104	NA	NA
AMD Phenom II X4 B70	4261	1086	NA	NA
AMD Phenom II X4 B93	3345	1294	NA	NA
AMD Phenom II X4 B95	3677	1213	50.40	$72.95*
AMD Phenom II X4 B97	3868	1160	67.87	$56.99*
AMD Phenom II X4 B99	4126	1112	NA	NA
AMD Phenom II X6 1035T	4665	997	24.68	$189.00*
AMD Phenom II X6 1045T	4800	976	44.44	$108.01*
AMD Phenom II X6 1055T	4966	944	45.54	$109.05*
AMD Phenom II X6 1065T	5028	929	NA	NA
AMD Phenom II X6 1075T	5325	880	47.13	$112.99*
AMD Phenom II X6 1090T	5560	842	36.10	$154.04*
AMD Phenom II X6 1100T	5707	819	32.16	$177.49*
AMD Phenom II X6 1405T	5042	927	NA	NA
AMD Phenom II X620 Dual-Core	2189	1703	NA	NA
AMD Phenom II X640 Dual-Core	2021	1771	NA	NA
AMD Phenom II X920 Quad-Core	2650	1525	NA	NA
AMD Phenom II X940 Quad-Core	2695	1511	NA	NA

AMD Phenom Ultra X4 24500	3945	1148	NA	NA
AMD Phenom X2 Dual-Core GE-4060	1697	1933	NA	NA
AMD Phenom X2 Dual-Core GE-5560	2206	1696	NA	NA
AMD Phenom X2 Dual-Core GE-7060	1752	1900	NA	NA
AMD Phenom X2 Dual-Core GP-5000	1180	2202	NA	NA
AMD Phenom X2 Dual-Core GP-7730	1435	2061	NA	NA
AMD Phenom X3 8550	1931	1814	11.36	$169.95*
AMD Phenom X4 Quad-Core GP-9500	1757	1894	NA	NA
AMD Phenom X4 Quad-Core GP-9530	1994	1782	NA	NA
AMD Phenom X4 Quad-Core GP-9600	2235	1685	NA	NA
AMD Phenom X4 Quad-Core GP-9730	2897	1450	NA	NA
AMD Phenom X4 Quad-Core GP-9830	2715	1508	NA	NA
AMD Phenom X4 Quad-Core GP-9930	2690	1513	NA	NA
AMD Phenom X4 Quad-Core GS-5560	1211	2184	NA	NA
AMD PRO A4-3350B APU	2274	1665	NA	NA
AMD PRO A4-4350B	1502	2036	NA	NA
AMD PRO A4-8350B	2776	1486	NA	NA
AMD PRO A6-7350B	2759	1493	NA	NA
AMD PRO A6-8500B	2516	1572	NA	NA
AMD PRO A6-8530B	2388	1621	NA	NA
AMD PRO A6-8550B	2970	1417	NA	NA
AMD PRO A6-8570	3049	1394	NA	NA
AMD PRO A6-8570E	2824	1469	NA	NA
AMD PRO A6-9500	2950	1423	39.88	$74.00*
AMD PRO A6-9500B	2076	1747	NA	NA
AMD PRO A6-9500E	2717	1504	36.73	$74.00*
AMD PRO A8-8600B	3519	1253	NA	NA
AMD PRO A8-8650B	5223	892	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD PRO A8-8670E	5015	934	NA	NA
AMD PRO A8-9600	5277	884	44.35	$119.00*
AMD PRO A8-9600B	3964	1140	NA	NA
AMD PRO A10-8700B	3551	1238	NA	NA
AMD PRO A10-8730B	3953	1144	NA	NA
AMD PRO A10-8750B	5473	853	NA	NA
AMD PRO A10-8770	5707	820	NA	NA
AMD PRO A10-8770E	5035	928	NA	NA
AMD PRO A10-8850B	5852	800	NA	NA
AMD PRO A10-9700	5599	834	33.13	$169.00*
AMD PRO A10-9700B	4380	1061	NA	NA
AMD PRO A10-9700E	5066	919	36.45	$139.00*
AMD PRO A12-8800B	4111	1114	NA	NA

AMD PRO A12-8830B	4259	1087	NA	NA
AMD PRO A12-8870	6067	782	NA	NA
AMD PRO A12-8870E	5186	900	NA	NA
AMD PRO A12-9800	6132	770	36.29	$169.00*
AMD PRO A12-9800B	4095	1117	NA	NA
AMD PRO A12-9800E	4769	980	28.22	$169.00*
AMD QC-4000	1663	1957	NA	NA
AMD R-260H APU	1576	1998	NA	NA
AMD R-460L APU	1954	1800	NA	NA
AMD R-464L APU	3117	1371	NA	NA
AMD RX-427BB	4364	1064	NA	NA
AMD Ryzen 3 1200	6795	702	113.27	$59.99
AMD Ryzen 3 1300X	7553	632	65.68	$115.00
AMD Ryzen 3 2200G	7330	653	93.99	$77.99
AMD Ryzen 3 2200GE	6976	684	NA	NA
AMD Ryzen 3 2200U	4587	1018	NA	NA
AMD Ryzen 3 2300U	6104	774	NA	NA
AMD Ryzen 3 2300X	8393	542	NA	NA
AMD Ryzen 3 3200G	7932	591	91.17	$87.00
AMD Ryzen 3 3200U	4706	990	NA	NA
AMD Ryzen 3 3300U	6143	768	NA	NA
AMD Ryzen 3 PRO 1200	7075	676	NA	NA
AMD Ryzen 3 PRO 1300	7994	582	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	910	NA	NA
AMD Ryzen 3 PRO 2200G	8013	578	NA	NA
AMD Ryzen 3 PRO 2200GE	7477	637	NA	NA
AMD Ryzen 3 PRO 2300U	7063	678	NA	NA
AMD Ryzen 3 PRO 3200G	8316	550	NA	NA
AMD Ryzen 3 PRO 3200GE	8244	555	NA	NA
AMD Ryzen 3 PRO 3300U	6888	696	NA	NA
AMD Ryzen 5 1400	8365	545	63.23	$132.30
AMD Ryzen 5 1500X	10108	367	73.28	$137.94
AMD Ryzen 5 1600	12286	268	122.89	$99.98
AMD Ryzen 5 1600X	13203	236	89.83	$146.99
AMD Ryzen 5 2400G	9322	443	78.34	$119.00
AMD Ryzen 5 2400GE	9027	476	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Ryzen 5 2500U	7349	651	NA	NA
AMD Ryzen 5 2500X	9704	409	NA	NA
AMD Ryzen 5 2600	13514	228	114.84	$117.68
AMD Ryzen 5 2600H	8366	544	NA	NA

AMD Ryzen 5 2600X	14363	195	95.76	$149.99
AMD Ryzen 5 3400G	9950	384	77.32	$128.69
AMD Ryzen 5 3500	14099	204	NA	NA
AMD Ryzen 5 3500U	7903	593	NA	NA
AMD Ryzen 5 3500X	17073	122	NA	NA
AMD Ryzen 5 3550H	8330	549	NA	NA
AMD Ryzen 5 3580U	7896	595	NA	NA
AMD Ryzen 5 3600	19887	79	102.52	$194.00
AMD Ryzen 5 3600X	20492	69	83.99	$243.98
AMD Ryzen 5 PRO 1500	10133	363	NA	NA
AMD Ryzen 5 PRO 1600	12213	273	NA	NA
AMD Ryzen 5 PRO 2400G	10005	375	NA	NA
AMD Ryzen 5 PRO 2400GE	8447	534	NA	NA
AMD Ryzen 5 PRO 2500U	8202	560	NA	NA
AMD Ryzen 5 PRO 2600	14221	198	NA	NA
AMD Ryzen 5 PRO 3400G	10615	334	NA	NA
AMD Ryzen 5 PRO 3400GE	10300	351	NA	NA
AMD Ryzen 5 PRO 3500U	8418	539	NA	NA
AMD Ryzen 5 PRO 3600	21601	57	NA	NA
AMD Ryzen 7 1700	13933	208	54.66	$254.89
AMD Ryzen 7 1700X	14811	183	86.62	$171.00
AMD Ryzen 7 1800X	15539	165	53.59	$289.99
AMD Ryzen 7 2700	15080	176	90.80	$166.09
AMD Ryzen 7 2700E	13410	232	NA	NA
AMD Ryzen 7 2700U	7414	647	NA	NA
AMD Ryzen 7 2700X	16962	125	89.28	$189.99
AMD Ryzen 7 2800H	8498	531	NA	NA
AMD Ryzen 7 3700U	8077	570	NA	NA
AMD Ryzen 7 3700X	23852	39	72.72	$327.99
AMD Ryzen 7 3750H	8942	491	NA	NA
AMD Ryzen 7 3780U	8427	538	NA	NA
AMD Ryzen 7 3800X	24572	32	69.24	$354.90
AMD Ryzen 7 PRO 1700	14112	203	NA	NA
AMD Ryzen 7 PRO 1700X	15324	171	NA	NA
AMD Ryzen 7 PRO 2700	15406	170	NA	NA
AMD Ryzen 7 PRO 2700U	8882	498	NA	NA
AMD Ryzen 7 PRO 2700X	17161	121	NA	NA
AMD Ryzen 7 PRO 3700	25748	23	NA	NA
AMD Ryzen 7 PRO 3700U	8619	522	NA	NA
AMD Ryzen 9 3900	30679	8	NA	NA
AMD Ryzen 9 3900X	31890	6	56.95	$559.95
AMD Ryzen 9 3950X	34009	3	NA	NA

AMD Ryzen 9 PRO 3900	32570	5	NA	NA
AMD Ryzen Embedded R1505G	4555	1022	NA	NA
AMD Ryzen Embedded V1202B	4447	1049	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Ryzen Embedded V1605B	7087	674	NA	NA
AMD Ryzen Embedded V1756B	8559	526	NA	NA
AMD Ryzen Embedded V1807B	8528	529	NA	NA
AMD Ryzen Threadripper 1900X	16069	149	107.14	$149.99
AMD Ryzen Threadripper 1920X	20029	77	95.38	$209.99
AMD Ryzen Threadripper 1950X	21932	52	44.76	$489.99*
AMD Ryzen Threadripper 2920X	22067	51	59.65	$369.95
AMD Ryzen Threadripper 2950X	25301	27	37.21	$679.99
AMD Ryzen Threadripper 2970WX	21887	54	23.92	$914.99
AMD Ryzen Threadripper 2990WX	23192	44	14.50	$1,599.95
AMD Ryzen Threadripper 2990X	19227	96	NA	NA
AMD Sempron 130	700	2469	28.03	$24.99*
AMD Sempron 140	739	2451	18.69	$39.59*
AMD Sempron 145	807	2422	8.51	$94.92
AMD Sempron 150	747	2445	16.64	$44.95*
AMD Sempron 200U	267	2854	3.08	$87.00*
AMD Sempron 210U	391	2700	NA	NA
AMD Sempron 240	2110	1733	36.39	$58.00
AMD Sempron 2100+	392	2698	NA	NA
AMD Sempron 2200+	282	2834	9.42	$29.99*
AMD Sempron 2300+	318	2775	7.07	$45.00*
AMD Sempron 2400+	314	2782	12.10	$26.00*
AMD Sempron 2500+	335	2757	6.11	$54.95*
AMD Sempron 2600+	374	2715	10.71	$34.95
AMD Sempron 2650 APU	951	2344	14.65	$64.95
AMD Sempron 2800+	383	2705	6.40	$59.95
AMD Sempron 3000+	408	2671	20.41	$20.00
AMD Sempron 3100+	452	2625	7.53	$60.00*
AMD Sempron 3200+	406	2673	3.10	$131.22*
AMD Sempron 3300+	484	2595	8.07	$60.00
AMD Sempron 3400+	454	2623	15.21	$29.89
AMD Sempron 3500+	379	2708	18.98	$20.00*
AMD Sempron 3600+	483	2597	40.30	$12.00*
AMD Sempron 3800+	554	2541	3.62	$152.92*
AMD Sempron 3850 APU	1715	1918	23.47	$73.10
AMD Sempron Dual Core 2100	936	2356	24.02	$39.00*
AMD Sempron Dual Core 2200	995	2312	NA	NA

AMD Sempron Dual Core 2300	982	2320	23.39	$41.99*
AMD Sempron Dual Core 4700	948	2348	NA	NA
AMD Sempron Dual Core 4900	1081	2263	NA	NA
AMD Sempron LE-250	490	2584	NA	NA
AMD Sempron LE-1100	438	2642	NA	NA
AMD Sempron LE-1150	444	2635	NA	NA
AMD Sempron LE-1200	531	2554	NA	NA
AMD Sempron LE-1250	543	2546	5.44	$99.95*
AMD Sempron LE-1300	595	2518	28.37	$21.00
AMD Sempron LE-1600	535	2551	NA	NA
AMD Sempron LE-1620	635	2499	NA	NA
AMD Sempron LE-1640	759	2441	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Sempron M100	566	2537	47.17	$12.00*
AMD Sempron M120	582	2526	NA	NA
AMD Sempron SI-40	447	2632	37.27	$12.00*
AMD Sempron SI-42	456	2622	15.22	$30.01*
AMD Sempron X2 180	1391	2079	20.05	$69.40*
AMD Sempron X2 190	1534	2016	18.39	$83.44*
AMD Sempron X2 198 Dual-Core	1413	2072	NA	NA
AMD Turion 64 Mobile MK-36	465	2610	NA	NA
AMD Turion 64 Mobile MK-38	513	2567	NA	NA
AMD Turion 64 Mobile ML-28	390	2702	NA	NA
AMD Turion 64 Mobile ML-30	402	2682	NA	NA
AMD Turion 64 Mobile ML-32	402	2680	NA	NA
AMD Turion 64 Mobile ML-34	425	2657	NA	NA
AMD Turion 64 Mobile ML-37	446	2633	2.27	$196.50*
AMD Turion 64 Mobile ML-40	522	2561	NA	NA
AMD Turion 64 Mobile ML-42	615	2508	NA	NA
AMD Turion 64 Mobile ML-44	591	2519	NA	NA
AMD Turion 64 Mobile MT-28	419	2660	NA	NA
AMD Turion 64 Mobile MT-30	378	2709	NA	NA
AMD Turion 64 Mobile MT-32	426	2656	NA	NA
AMD Turion 64 Mobile MT-34	429	2652	NA	NA
AMD Turion 64 Mobile MT-37	484	2594	NA	NA
AMD Turion 64 Mobile MT-40	536	2550	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2447	14.95	$49.99*
AMD Turion 64 X2 Mobile TL-52	763	2436	NA	NA
AMD Turion 64 X2 Mobile TL-56	891	2382	63.89	$13.95*
AMD Turion 64 X2 Mobile TL-58	947	2351	NA	NA
AMD Turion 64 X2 Mobile TL-60	998	2309	62.61	$15.95*
AMD Turion 64 X2 Mobile TL-62	1092	2254	3.51	$311.00*

AMD Turion 64 X2 Mobile TL-64	1090	2255	27.69	$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2228	3.02	$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2215	12.92	$90.00*
AMD Turion Dual-Core RM-70	912	2372	36.49	$25.00*
AMD Turion Dual-Core RM-72	860	2391	21.52	$39.99*
AMD Turion Dual-Core RM-74	1016	2297	NA	NA
AMD Turion Dual-Core RM-75	1003	2305	36.53	$27.46*
AMD Turion II Dual-Core Mobile M500	1293	2134	NA	NA
AMD Turion II Dual-Core Mobile M520	1306	2127	18.91	$69.10*
AMD Turion II Dual-Core Mobile M540	1338	2111	NA	NA
AMD Turion II N530 Dual-Core	1567	2002	52.24	$30.00*
AMD Turion II N550 Dual-Core	1521	2019	NA	NA
AMD Turion II Neo K625 Dual-Core	977	2323	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2200	NA	NA
AMD Turion II Neo N40L Dual-Core	930	2359	NA	NA
AMD Turion II Neo N54L Dual-Core	1363	2095	NA	NA
AMD Turion II P520 Dual-Core	1360	2098	NA	NA
AMD Turion II P540 Dual-Core	1432	2064	28.67	$49.95*
AMD Turion II P560 Dual-Core	1515	2026	NA	NA
AMD Turion II Ultra Dual-Core Mobile M600	1406	2074	52.55	$26.76*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Turion II Ultra Dual-Core Mobile M620	1435	2062	NA	NA
AMD Turion II Ultra Dual-Core Mobile M640	1670	1948	NA	NA
AMD Turion II Ultra Dual-Core Mobile M660	1533	2017	NA	NA
AMD Turion Neo X2 Dual Core L625	813	2418	NA	NA
AMD Turion X2 Dual Core L510	923	2365	NA	NA
AMD Turion X2 Dual Core Mobile RM-70	858	2393	6.48	$132.56*
AMD Turion X2 Dual Core Mobile RM-76	1059	2272	NA	NA
AMD Turion X2 Dual-Core Mobile RM-70	994	2316	NA	NA
AMD Turion X2 Dual-Core Mobile RM-72	1085	2259	4.84	$224.26*
AMD Turion X2 Dual-Core Mobile RM-74	1059	2271	43.31	$24.47*
AMD Turion X2 Dual-Core Mobile RM-75	1120	2233	NA	NA
AMD Turion X2 Dual-Core Mobile RM-77	1149	2224	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-80	1023	2290	16.51	$62.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-82	1084	2261	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-84	1209	2186	63.72	$18.99*
AMD Turion X2 Ultra Dual-Core Mobile ZM-85	1234	2174	27.43	$45.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-86	1295	2133	23.56	$55.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-87	1205	2189	30.18	$39.95*
AMD TurionX2 Dual Core Mobile RM-70	997	2311	NA	NA
AMD TurionX2 Dual Core Mobile RM-72	1026	2287	NA	NA
AMD TurionX2 Ultra DualCore Mobile ZM-85	1454	2054	NA	NA

AMD V105	299	2802	NA	NA
AMD V120	623	2506	NA	NA
AMD V140	643	2496	12.89	$49.95*
AMD V160	677	2481	NA	NA
AMD Z-01	523	2560	NA	NA
AMD Z-60 APU	500	2577	NA	NA
AMD-K6 3D	90	2978	NA	NA
AMD-K6-III	108	2975	NA	NA
AMD-K7	403	2679	NA	NA
Athlon 64 Dual Core 3800+	1234	2175	NA	NA
Athlon 64 Dual Core 4200+	1156	2219	5.64	$204.95*
Athlon 64 Dual Core 4800+	1370	2092	NA	NA
Athlon 64 Dual Core 5000+	1507	2031	NA	NA
Athlon 64 Dual Core 5400+	1614	1981	NA	NA
Athlon 64 Dual Core 5600+	1548	2008	NA	NA
Athlon Dual Core 4050e	968	2329	NA	NA
Athlon Dual Core 4450e	1204	2190	NA	NA
Athlon Dual Core 4850e	1346	2106	NA	NA
Celeron Dual-Core Q8300 @ 2.50GHz	2837	1463	NA	NA
Celeron Dual-Core T3000 @ 1.80GHz	1086	2258	NA	NA
Celeron Dual-Core T3100 @ 1.90GHz	1172	2208	27.91	$42.00
Celeron Dual-Core T3300 @ 2.00GHz	1201	2194	NA	NA
Celeron Dual-Core T3500 @ 2.10GHz	1274	2153	NA	NA
Dual-Core AMD Opteron 1220 SE	1206	2188	NA	NA
HP Hexa-Core 2.0GHz	2178	1704	4.32	$504.27*
Intel 2.80GHz	525	2558	NA	NA
Intel 1300 @ 1.66GHz	857	2394	NA	NA
Intel 1400 @ 1.83GHz	980	2321	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel 1500 @ 2.00GHz	1024	2288	NA	NA
Intel Atom 230 @ 1.60GHz	307	2789	NA	NA
Intel Atom 330 @ 1.60GHz	587	2523	NA	NA
Intel Atom C2338 @ 1.74GHz	898	2380	NA	NA
Intel Atom C2358 @ 1.74GHz	961	2337	NA	NA
Intel Atom C2538 @ 2.40GHz	2085	1743	20.05	$104.00*
Intel Atom C2550 @ 2.40GHz	2141	1717	NA	NA
Intel Atom C2558 @ 2.40GHz	2169	1708	15.95	$136.00*
Intel Atom C2750 @ 2.40GHz	3768	1185	16.24	$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1295	NA	NA
Intel Atom C2758 @ 2.40GHz	3162	1352	14.72	$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1597	32.73	$75.00*

Intel Atom C3558 @ 2.20GHz	2538	1565	29.52	$86.00*
Intel Atom C3858 @ 2.00GHz	4852	967	14.62	$332.00*
Intel Atom C3958 @ 2.00GHz	6586	727	14.67	$449.00*
Intel Atom D410 @ 1.66GHz	301	2798	0.47	$635.99*
Intel Atom D425 @ 1.80GHz	345	2750	0.35	$992.98*
Intel Atom D510 @ 1.66GHz	658	2489	6.78	$97.16*
Intel Atom D525 @ 1.80GHz	706	2464	NA	NA
Intel Atom D2500 @ 1.86GHz	403	2677	NA	NA
Intel Atom D2550 @ 1.86GHz	683	2479	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2461	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2403	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2458	NA	NA
Intel Atom E660 @ 1.30GHz	271	2849	5.03	$54.00*
Intel Atom E680 @ 1.60GHz	346	2747	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2764	1.58	$209.99
Intel Atom E3825 @ 1.33GHz	579	2528	8.24	$70.32*
Intel Atom E3826 @ 1.46GHz	489	2585	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2399	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2216	NA	NA
Intel Atom E3845 @ 1.91GHz	1504	2033	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1845	NA	NA
Intel Atom E3950 @ 1.60GHz	1876	1842	NA	NA
Intel Atom K510 @ 1.66GHz	658	2488	NA	NA
Intel Atom N270 @ 1.60GHz	269	2853	NA	NA
Intel Atom N280 @ 1.66GHz	282	2831	NA	NA
Intel Atom N435 @ 1.33GHz	261	2861	NA	NA
Intel Atom N450 @ 1.66GHz	296	2808	NA	NA
Intel Atom N455 @ 1.66GHz	283	2830	NA	NA
Intel Atom N470 @ 1.83GHz	332	2763	NA	NA
Intel Atom N475 @ 1.83GHz	314	2780	NA	NA
Intel Atom N550 @ 1.50GHz	524	2559	6.10	$86.00*
Intel Atom N570 @ 1.66GHz	574	2533	6.68	$86.00*
Intel Atom N2100 @ 1.60GHz	302	2794	NA	NA
Intel Atom N2600 @ 1.60GHz	527	2556	NA	NA
Intel Atom N2800 @ 1.86GHz	625	2505	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2368	14.32	$64.00*
Intel Atom T5700 @ 1.70GHz	2039	1762	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Atom x5-E3930 @ 1.30GHz	811	2419	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1600	1989	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1191	2196	8.96	$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1029	2285	NA	NA

Intel Atom x5-Z8350 @ 1.44GHz	1275	2151	60.76	$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1696	1934	27.11	$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1835	1864	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1890	1835	25.68	$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1894	1831	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2929	4.33	$45.00*
Intel Atom Z515 @ 1.20GHz	218	2905	NA	NA
Intel Atom Z520 @ 1.33GHz	217	2906	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2838	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2744	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2706	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2885	NA	NA
Intel Atom Z2760 @ 1.80GHz	568	2536	NA	NA
Intel Atom Z3735D @ 1.33GHz	937	2354	NA	NA
Intel Atom Z3735E @ 1.33GHz	948	2349	8.10	$117.00*
Intel Atom Z3735F @ 1.33GHz	914	2369	5.04	$181.30*
Intel Atom Z3735G @ 1.33GHz	906	2376	NA	NA
Intel Atom Z3736F @ 1.33GHz	912	2371	NA	NA
Intel Atom Z3740 @ 1.33GHz	1068	2268	NA	NA
Intel Atom Z3740D @ 1.33GHz	1011	2298	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2266	35.98	$30.00*
Intel Atom Z3745D @ 1.33GHz	1018	2296	NA	NA
Intel Atom Z3770 @ 1.46GHz	1252	2165	8.38	$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2423	NA	NA
Intel Atom Z3775 @ 1.46GHz	1275	2152	36.44	$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2149	NA	NA
Intel Atom Z3795 @ 1.60GHz	1804	1877	NA	NA
Intel Celeron 1.70GHz	130	2968	NA	NA
Intel Celeron 1.80GHz	136	2965	NA	NA
Intel Celeron 2.00GHz	182	2941	NA	NA
Intel Celeron 2.10GHz	244	2883	NA	NA
Intel Celeron 2.13GHz	208	2916	NA	NA
Intel Celeron 2.20GHz	213	2911	NA	NA
Intel Celeron 2.26GHz	223	2900	NA	NA
Intel Celeron 2.30GHz	227	2897	NA	NA
Intel Celeron 2.40GHz	217	2907	NA	NA
Intel Celeron 2.50GHz	247	2877	NA	NA
Intel Celeron 2.53GHz	245	2881	NA	NA
Intel Celeron 2.60GHz	238	2887	NA	NA
Intel Celeron 2.66GHz	249	2875	NA	NA
Intel Celeron 2.70GHz	245	2882	NA	NA
Intel Celeron 2.80GHz	254	2867	NA	NA

Intel Celeron 2.93GHz	283	2829	NA	NA
Intel Celeron 3.06GHz	284	2827	NA	NA
Intel Celeron 3.20GHz	288	2819	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron 3.33GHz	333	2761	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2770	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2772	NA	NA
Intel Celeron 420 @ 1.60GHz	450	2627	11.27	$39.99*
Intel Celeron 430 @ 1.80GHz	487	2586	10.21	$47.74
Intel Celeron 440 @ 2.00GHz	544	2544	24.38	$22.33
Intel Celeron 450 @ 2.20GHz	626	2502	20.90	$29.99*
Intel Celeron 530 @ 1.73GHz	474	2603	20.62	$22.99*
Intel Celeron 540 @ 1.86GHz	521	2562	NA	NA
Intel Celeron 550 @ 2.00GHz	517	2564	7.96	$64.95
Intel Celeron 560 @ 2.13GHz	531	2553	6.65	$79.95
Intel Celeron 570 @ 2.26GHz	517	2563	NA	NA
Intel Celeron 600MHz	147	2961	NA	NA
Intel Celeron 723 @ 1.20GHz	390	2701	NA	NA
Intel Celeron 743 @ 1.30GHz	421	2659	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2444	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2722	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2509	NA	NA
Intel Celeron 847 @ 1.10GHz	935	2357	2.97	$315.00*
Intel Celeron 847E @ 1.10GHz	1021	2292	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2226	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2207	39.12	$29.99*
Intel Celeron 877 @ 1.40GHz	1291	2136	NA	NA
Intel Celeron 887 @ 1.50GHz	1280	2147	NA	NA
Intel Celeron 900 @ 2.20GHz	676	2482	23.34	$28.99
Intel Celeron 925 @ 2.30GHz	691	2474	NA	NA
Intel Celeron 1000M @ 1.80GHz	1673	1943	NA	NA
Intel Celeron 1000MHz	213	2910	NA	NA
Intel Celeron 1005M @ 1.90GHz	1808	1874	NA	NA
Intel Celeron 1007U @ 1.50GHz	1390	2081	7.52	$184.99*
Intel Celeron 1017U @ 1.60GHz	1508	2030	NA	NA
Intel Celeron 1019Y @ 1.00GHz	954	2342	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1686	NA	NA
Intel Celeron 1037U @ 1.80GHz	1737	1908	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2198	NA	NA
Intel Celeron 1066MHz	259	2863	NA	NA
Intel Celeron 1100MHz	174	2947	NA	NA

Intel Celeron 1133MHz	282	2832	NA	NA
Intel Celeron 1200MHz	244	2884	NA	NA
Intel Celeron 1300MHz	288	2821	NA	NA
Intel Celeron 1333MHz	290	2815	NA	NA
Intel Celeron 1400MHz	302	2795	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1631	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	1984	18.67	$86.00*
Intel Celeron 2950M @ 2.00GHz	1984	1785	NA	NA
Intel Celeron 2955U @ 1.40GHz	1413	2073	NA	NA
Intel Celeron 2957U @ 1.40GHz	1433	2063	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2241	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1646	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron 2980U @ 1.60GHz	1593	1995	NA	NA
Intel Celeron 2981U @ 1.60GHz	1364	2094	NA	NA
Intel Celeron 3205U @ 1.50GHz	1503	2034	5.24	$287.04*
Intel Celeron 3215U @ 1.70GHz	1652	1963	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1929	NA	NA
Intel Celeron 3765U @ 1.90GHz	1948	1805	NA	NA
Intel Celeron 3855U @ 1.60GHz	1685	1940	NA	NA
Intel Celeron 3865U @ 1.80GHz	1918	1821	NA	NA
Intel Celeron 3867U @ 1.80GHz	1852	1854	17.31	$107.00*
Intel Celeron 3955U @ 2.00GHz	1934	1810	NA	NA
Intel Celeron 3965U @ 2.20GHz	2363	1632	22.09	$107.00*
Intel Celeron 3965Y @ 1.50GHz	1607	1983	15.03	$107.00*
Intel Celeron 4205U @ 1.80GHz	1977	1788	18.48	$107.00*
Intel Celeron @ 1.30GHz	965	2331	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2935	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2416	NA	NA
Intel Celeron B800 @ 1.50GHz	1278	2148	NA	NA
Intel Celeron B810 @ 1.60GHz	1395	2078	NA	NA
Intel Celeron B815 @ 1.60GHz	1363	2096	NA	NA
Intel Celeron B820 @ 1.70GHz	1430	2065	36.42	$39.29*
Intel Celeron B830 @ 1.80GHz	1512	2029	NA	NA
Intel Celeron B840 @ 1.90GHz	1719	1914	NA	NA
Intel Celeron D 347 @ 3.06GHz	270	2851	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2796	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2777	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2756	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2676	4.50	$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2598	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2524	NA	NA

Intel Celeron E1200 @ 1.60GHz	860	2392	8.60	$99.99
Intel Celeron E1400 @ 2.00GHz	1053	2275	15.05	$69.99
Intel Celeron E1500 @ 2.20GHz	1168	2211	59.47	$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2161	NA	NA
Intel Celeron E3200 @ 2.40GHz	1382	2084	26.59	$51.99*
Intel Celeron E3300 @ 2.50GHz	1389	2082	55.62	$24.98
Intel Celeron E3400 @ 2.60GHz	1441	2060	2.36	$610.00*
Intel Celeron E3500 @ 2.70GHz	1454	2053	36.37	$39.99*
Intel Celeron G440 @ 1.60GHz	694	2471	13.90	$49.99*
Intel Celeron G460 @ 1.80GHz	1035	2283	15.93	$65.00
Intel Celeron G465 @ 1.90GHz	1064	2269	10.64	$100.00*
Intel Celeron G470 @ 2.00GHz	1298	2131	NA	NA
Intel Celeron G530 @ 2.40GHz	2128	1725	53.22	$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1915	NA	NA
Intel Celeron G540 @ 2.50GHz	2197	1700	48.84	$45.00*
Intel Celeron G540T @ 2.10GHz	2114	1730	NA	NA
Intel Celeron G550 @ 2.60GHz	2290	1655	28.63	$80.00
Intel Celeron G550T @ 2.20GHz	2032	1766	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1607	22.23	$109.00
Intel Celeron G1101 @ 2.27GHz	1667	1952	84.34	$19.77*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron G1610 @ 2.60GHz	2488	1586	52.95	$47.00
Intel Celeron G1610T @ 2.30GHz	2256	1674	56.35	$40.04*
Intel Celeron G1620 @ 2.70GHz	2576	1548	39.64	$64.99
Intel Celeron G1620T @ 2.40GHz	2353	1636	56.03	$42.00*
Intel Celeron G1630 @ 2.80GHz	2493	1583	35.63	$69.99
Intel Celeron G1820 @ 2.70GHz	2749	1496	45.83	$59.99
Intel Celeron G1820T @ 2.40GHz	2495	1582	59.42	$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1722	NA	NA
Intel Celeron G1830 @ 2.80GHz	2568	1553	27.05	$94.95*
Intel Celeron G1840 @ 2.80GHz	2860	1460	46.34	$61.73
Intel Celeron G1840T @ 2.50GHz	2554	1558	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1439	36.38	$79.99*
Intel Celeron G3900 @ 2.80GHz	3131	1364	66.65	$46.98
Intel Celeron G3900E @ 2.40GHz	2679	1516	25.05	$107.00*
Intel Celeron G3900T @ 2.60GHz	2925	1435	26.01	$112.46*
Intel Celeron G3900TE @ 2.30GHz	2591	1542	61.71	$42.00*
Intel Celeron G3920 @ 2.90GHz	3123	1368	27.40	$113.99*
Intel Celeron G3930 @ 2.90GHz	3038	1395	33.92	$89.59
Intel Celeron G3930T @ 2.70GHz	2766	1488	39.64	$69.79*
Intel Celeron G3930TE @ 2.70GHz	2970	1418	70.72	$42.00*

Intel Celeron G3950 @ 3.00GHz	3049	1393	27.97	$109.04
Intel Celeron G4900 @ 3.10GHz	3293	1310	60.99	$54.00
Intel Celeron G4900T @ 2.90GHz	3096	1375	73.72	$42.00*
Intel Celeron G4920 @ 3.20GHz	3220	1332	42.10	$76.50*
Intel Celeron G4930 @ 3.20GHz	3503	1257	71.87	$48.75
Intel Celeron J1750 @ 2.41GHz	1037	2282	NA	NA
Intel Celeron J1800 @ 2.41GHz	1019	2294	NA	NA
Intel Celeron J1850 @ 1.99GHz	1617	1979	NA	NA
Intel Celeron J1900 @ 1.99GHz	1852	1853	NA	NA
Intel Celeron J3060 @ 1.60GHz	978	2322	NA	NA
Intel Celeron J3160 @ 1.60GHz	1798	1880	NA	NA
Intel Celeron J3355 @ 2.00GHz	1155	2220	NA	NA
Intel Celeron J3455 @ 1.50GHz	2113	1732	5.87	$359.99
Intel Celeron J4005 @ 2.00GHz	1544	2009	10.42	$148.31
Intel Celeron J4105 @ 1.50GHz	2642	1527	24.70	$107.00*
Intel Celeron M 1.00GHz	207	2917	1.60	$129.95
Intel Celeron M 1.30GHz	316	2776	NA	NA
Intel Celeron M 1.50GHz	343	2752	NA	NA
Intel Celeron M 1.60GHz	362	2733	NA	NA
Intel Celeron M 1.70GHz	393	2696	NA	NA
Intel Celeron M 360 1.40GHz	328	2766	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2778	NA	NA
Intel Celeron M 420 @ 1.60GHz	334	2760	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2724	NA	NA
Intel Celeron M 440 @ 1.86GHz	392	2697	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2869	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2628	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2651	NA	NA
Intel Celeron M 530 @ 1.73GHz	462	2613	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron M 540 @ 1.86GHz	542	2547	NA	NA
Intel Celeron M 600MHz	151	2959	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2621	NA	NA
Intel Celeron M 900MHz	204	2919	NA	NA
Intel Celeron M 1200MHz	275	2847	NA	NA
Intel Celeron M 1300MHz	303	2792	NA	NA
Intel Celeron M 1500MHz	333	2762	NA	NA
Intel Celeron M ULV 800MHz	184	2939	NA	NA
Intel Celeron N2805 @ 1.46GHz	460	2618	NA	NA
Intel Celeron N2806 @ 1.60GHz	802	2424	NA	NA
Intel Celeron N2807 @ 1.58GHz	861	2390	NA	NA
Intel Celeron N2808 @ 1.58GHz	907	2375	NA	NA

Intel Celeron N2810 @ 2.00GHz	787	2429	5.62	$139.99*
Intel Celeron N2815 @ 1.86GHz	857	2395	NA	NA
Intel Celeron N2820 @ 2.13GHz	937	2355	8.52	$109.99
Intel Celeron N2830 @ 2.16GHz	965	2330	NA	NA
Intel Celeron N2840 @ 2.16GHz	1003	2304	NA	NA
Intel Celeron N2910 @ 1.60GHz	1203	2191	NA	NA
Intel Celeron N2920 @ 1.86GHz	1515	2028	NA	NA
Intel Celeron N2930 @ 1.83GHz	1659	1959	NA	NA
Intel Celeron N2940 @ 1.83GHz	1722	1911	NA	NA
Intel Celeron N3000 @ 1.04GHz	899	2378	NA	NA
Intel Celeron N3010 @ 1.04GHz	973	2325	NA	NA
Intel Celeron N3050 @ 1.60GHz	879	2383	5.87	$149.99
Intel Celeron N3060 @ 1.60GHz	985	2319	NA	NA
Intel Celeron N3150 @ 1.60GHz	1666	1953	NA	NA
Intel Celeron N3160 @ 1.60GHz	1664	1956	5.94	$279.99
Intel Celeron N3350 @ 1.10GHz	1112	2240	NA	NA
Intel Celeron N3450 @ 1.10GHz	1850	1855	11.63	$159.14
Intel Celeron N4000 @ 1.10GHz	1428	2066	13.35	$107.00*
Intel Celeron N4100 @ 1.10GHz	2264	1670	21.17	$107.00*
Intel Celeron P4500 @ 1.87GHz	1116	2235	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2314	NA	NA
Intel Celeron P4600 @ 2.00GHz	1328	2115	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2433	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2346	47.54	$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2273	35.29	$29.99*
Intel Celeron U1900 @ 1.99GHz	1704	1928	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2456	NA	NA
Intel Celeron U3405 @ 1.07GHz	684	2476	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2421	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1051	2276	6.57	$159.95*
Intel Core2 Duo E4400 @ 2.00GHz	1158	2218	23.18	$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1270	2155	17.84	$71.25*
Intel Core2 Duo E4600 @ 2.40GHz	1384	2083	8.77	$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	2045	54.88	$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1108	2244	85.33	$12.99*
Intel Core2 Duo E6320 @ 1.86GHz	1185	2201	23.72	$49.99*
Intel Core2 Duo E6400 @ 2.13GHz	1288	2139	43.04	$29.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo E6420 @ 2.13GHz	1359	2099	27.20	$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1451	2056	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1497	2037	100.18	$14.95*

Intel Core2 Duo E6600 @ 2.40GHz	1554	2007	103.73	$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1693	1936	56.46	$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1712	1919	166.27	$10.30*
Intel Core2 Duo E6850 @ 3.00GHz	1945	1806	38.92	$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1624	1977	33.16	$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1727	1910	43.31	$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1769	1889	61.05	$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1873	1844	125.01	$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1961	1796	16.35	$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1490	2040	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1761	1892	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1882	1840	37.66	$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1799	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1634	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1989	1783	99.53	$19.99*
Intel Core2 Duo E8335 @ 2.66GHz	1846	1856	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1726	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2148	1716	47.22	$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2097	1737	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2281	1660	57.06	$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2397	1618	56.48	$42.45*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1695	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2438	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2477	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	825	2412	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2401	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	961	2336	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	973	2326	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2234	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1080	2264	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1346	2105	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1289	2138	64.49	$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1311	2123	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1416	2070	35.42	$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2352	NA	NA
Intel Core2 Duo P7550 @ 2.26GHz	1518	2023	6.60	$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1455	2052	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2291	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1453	2055	4.89	$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	2015	31.25	$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1624	1978	42.76	$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1739	1905	30.53	$56.99*

Intel Core2 Duo P9300 @ 2.26GHz	1564	2004	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1753	1899	1.75	$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1754	1898	17.72	$99.00*
Intel Core2 Duo P9600 @ 2.66GHz	1866	1846	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo P9700 @ 2.80GHz	2015	1775	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2522	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1251	2167	4.95	$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1675	1942	5.90	$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	925	2362	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	833	2407	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	839	2405	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2417	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	933	2358	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	913	2370	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2374	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	923	2366	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1039	2281	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2286	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2315	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1092	2253	109.39	$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2236	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1203	2192	75.69	$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1149	2223	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1211	2185	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1226	2178	81.79	$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1285	2143	85.78	$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1258	2160	32.68	$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1358	2100	71.90	$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1358	2101	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1020	2293	46.39	$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1167	2213	11.68	$99.95*
Intel Core2 Duo T7250 @ 2.00GHz	1114	2237	5.53	$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1194	2195	38.55	$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1250	2169	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1271	2154	29.58	$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1378	2089	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1425	2067	10.18	$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1597	1991	2.63	$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1298	2132	1.30	$999.99*
Intel Core2 Duo T8300 @ 2.40GHz	1471	2048	13.50	$108.95*

Intel Core2 Duo T9300 @ 2.50GHz	1673	1944	28.86	$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1737	1907	38.66	$44.95*
Intel Core2 Duo T9500 @ 2.60GHz	1792	1882	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1803	1878	6.03	$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1927	1815	21.43	$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2016	1774	4.76	$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2137	1718	5.36	$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	873	2385	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2520	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	669	2484	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2470	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	855	2397	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1129	2232	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo X7360 @ 2.53GHz	1687	1938	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1219	3.25	$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3623	1222	2.42	$1,495.95*
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1269	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1875	1843	7.11	$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1879	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	2113	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1688	1937	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1894	1832	4.62	$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2073	1748	2.44	$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4157	1106	4.83	$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	1035	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4605	1013	2.86	$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	1002	2.57	$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2947	1425	73.71	$39.98*
Intel Core2 Quad Q6700 @ 2.66GHz	3280	1313	72.92	$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2807	1476	122.14	$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2980	1412	59.62	$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3161	1353	13.18	$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2525	1568	6.49	$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1324	8.40	$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3152	1358	15.80	$199.50*
Intel Core2 Quad Q9400 @ 2.66GHz	3337	1301	69.49	$48.03*
Intel Core2 Quad Q9450 @ 2.66GHz	3757	1191	105.24	$35.70*
Intel Core2 Quad Q9500 @ 2.83GHz	3521	1250	100.63	$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3520	1251	18.53	$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3962	1141	89.07	$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4155	1107	38.09	$109.11

Intel Core2 Quad Q9705 @ 3.16GHz	3947	1146	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2735	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2785	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2663	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	465	2609	NA	NA
Intel Core 330 @ 1.60GHz	643	2495	NA	NA
Intel Core 860 @ 2.80GHz	4555	1021	28.65	$159.00
Intel Core Duo L2300 @ 1.50GHz	719	2459	NA	NA
Intel Core Duo L2400 @ 1.66GHz	705	2467	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2446	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2473	NA	NA
Intel Core Duo T2250 @ 1.73GHz	754	2442	NA	NA
Intel Core Duo T2300 @ 1.66GHz	727	2454	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2437	NA	NA
Intel Core Duo T2400 @ 1.83GHz	794	2428	49.63	$16.00*
Intel Core Duo T2450 @ 2.00GHz	825	2411	NA	NA
Intel Core Duo T2500 @ 2.00GHz	862	2389	7.19	$119.99*
Intel Core Duo T2600 @ 2.16GHz	944	2353	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2289	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2545	NA	NA
Intel Core Duo U2500 @ 1.20GHz	507	2573	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-330E @ 2.13GHz	1935	1809	NA	NA
Intel Core i3-330M @ 2.13GHz	1785	1884	11.16	$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2267	NA	NA
Intel Core i3-350M @ 2.27GHz	1891	1834	112.92	$16.75
Intel Core i3-370M @ 2.40GHz	2014	1776	50.41	$39.96*
Intel Core i3-380M @ 2.53GHz	2093	1739	34.93	$59.95
Intel Core i3-380UM @ 1.33GHz	1159	2217	NA	NA
Intel Core i3-390M @ 2.67GHz	2172	1706	55.78	$38.95*
Intel Core i3-530 @ 2.93GHz	2564	1555	23.75	$108.00
Intel Core i3-540 @ 3.07GHz	2685	1514	14.14	$189.95
Intel Core i3-550 @ 3.20GHz	2829	1467	16.10	$175.74
Intel Core i3-560 @ 3.33GHz	2935	1429	16.31	$179.95
Intel Core i3-1005G1 @ 1.20GHz	5929	792	21.10	$281.00*
Intel Core i3-2100 @ 3.10GHz	3692	1210	66.34	$55.66
Intel Core i3-2100T @ 2.50GHz	2980	1411	49.68	$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1198	64.41	$58.00*
Intel Core i3-2105 @ 3.10GHz	3712	1205	32.29	$114.99*
Intel Core i3-2120 @ 3.30GHz	3932	1153	78.66	$49.99
Intel Core i3-2120T @ 2.60GHz	3155	1356	126.28	$24.99

Intel Core i3-2125 @ 3.30GHz	4015	1129	19.40	$207.00*
Intel Core i3-2130 @ 3.40GHz	4070	1121	66.74	$60.99
Intel Core i3-2140 @ 3.50GHz	4325	1073	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1462	12.62	$225.00*
Intel Core i3-2310M @ 2.10GHz	2432	1604	62.68	$38.81
Intel Core i3-2312M @ 2.10GHz	2374	1627	NA	NA
Intel Core i3-2328M @ 2.20GHz	2544	1562	27.37	$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1384	NA	NA
Intel Core i3-2330M @ 2.20GHz	2527	1567	50.61	$49.95*
Intel Core i3-2332M @ 2.20GHz	2382	1624	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1913	NA	NA
Intel Core i3-2348M @ 2.30GHz	2621	1533	NA	NA
Intel Core i3-2350M @ 2.30GHz	2630	1531	81.67	$32.21
Intel Core i3-2357M @ 1.30GHz	1556	2006	NA	NA
Intel Core i3-2365M @ 1.40GHz	1682	1941	NA	NA
Intel Core i3-2367M @ 1.40GHz	1707	1925	NA	NA
Intel Core i3-2370M @ 2.40GHz	2777	1485	69.77	$39.81*
Intel Core i3-2375M @ 1.50GHz	1773	1888	NA	NA
Intel Core i3-2377M @ 1.50GHz	1828	1869	NA	NA
Intel Core i3-3110M @ 2.40GHz	3082	1380	38.56	$79.95*
Intel Core i3-3120M @ 2.50GHz	3225	1330	29.33	$110.00*
Intel Core i3-3130M @ 2.60GHz	3384	1286	NA	NA
Intel Core i3-3210 @ 3.20GHz	4044	1125	20.33	$199.00*
Intel Core i3-3217U @ 1.80GHz	2304	1650	10.02	$229.99*
Intel Core i3-3217UE @ 1.60GHz	2162	1710	NA	NA
Intel Core i3-3220 @ 3.30GHz	4246	1089	76.30	$55.66
Intel Core i3-3220T @ 2.80GHz	3697	1206	29.58	$125.00
Intel Core i3-3225 @ 3.30GHz	4346	1066	13.37	$324.99
Intel Core i3-3227U @ 1.90GHz	2468	1592	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1931	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-3240 @ 3.40GHz	4316	1077	86.32	$50.00
Intel Core i3-3240T @ 2.90GHz	3666	1217	NA	NA
Intel Core i3-3245 @ 3.40GHz	4467	1043	25.97	$172.01
Intel Core i3-3250 @ 3.50GHz	4460	1046	63.73	$70.00
Intel Core i3-3250T @ 3.00GHz	3614	1224	NA	NA
Intel Core i3-4000M @ 2.40GHz	3257	1318	16.29	$199.95*
Intel Core i3-4005U @ 1.70GHz	2446	1601	NA	NA
Intel Core i3-4010U @ 1.70GHz	2443	1602	16.29	$149.99
Intel Core i3-4010Y @ 1.30GHz	1900	1829	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2157	1714	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2214	1693	NA	NA

Intel Core i3-4025U @ 1.90GHz	2789	1482	NA	NA
Intel Core i3-4030U @ 1.90GHz	2717	1506	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1578	NA	NA
Intel Core i3-4100M @ 2.50GHz	3432	1274	15.71	$218.57*
Intel Core i3-4110M @ 2.60GHz	3854	1163	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1446	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1392	NA	NA
Intel Core i3-4130 @ 3.40GHz	4804	973	53.39	$89.99
Intel Core i3-4130T @ 2.90GHz	4152	1108	46.66	$88.99*
Intel Core i3-4150 @ 3.50GHz	4901	955	48.85	$100.34
Intel Core i3-4150T @ 3.00GHz	4227	1091	18.39	$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1437	NA	NA
Intel Core i3-4160 @ 3.60GHz	5049	924	56.11	$89.99
Intel Core i3-4160T @ 3.10GHz	4465	1044	29.77	$149.99*
Intel Core i3-4170 @ 3.70GHz	5188	899	19.45	$266.79
Intel Core i3-4170T @ 3.20GHz	4489	1037	21.38	$209.95*
Intel Core i3-4330 @ 3.50GHz	5087	912	46.05	$110.49
Intel Core i3-4330T @ 3.00GHz	4485	1040	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1334	NA	NA
Intel Core i3-4340 @ 3.60GHz	5245	889	30.86	$169.99*
Intel Core i3-4350 @ 3.60GHz	4990	937	29.36	$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	1080	NA	NA
Intel Core i3-4360 @ 3.70GHz	5446	859	21.03	$259.00*
Intel Core i3-4360T @ 3.20GHz	4636	1003	NA	NA
Intel Core i3-4370 @ 3.80GHz	5617	829	18.18	$309.00*
Intel Core i3-4370T @ 3.30GHz	4870	960	35.29	$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	948	NA	NA
Intel Core i3-5005U @ 2.00GHz	2903	1444	NA	NA
Intel Core i3-5010U @ 2.10GHz	3058	1389	9.06	$337.76*
Intel Core i3-5015U @ 2.10GHz	2973	1415	NA	NA
Intel Core i3-5020U @ 2.20GHz	3198	1337	6.97	$459.00*
Intel Core i3-5157U @ 2.50GHz	3670	1216	NA	NA
Intel Core i3-6006U @ 2.00GHz	3078	1383	NA	NA
Intel Core i3-6098P @ 3.60GHz	5387	867	40.28	$133.74*
Intel Core i3-6100 @ 3.70GHz	5484	849	42.52	$128.99
Intel Core i3-6100E @ 2.70GHz	3769	1184	NA	NA
Intel Core i3-6100H @ 2.70GHz	4188	1098	NA	NA
Intel Core i3-6100T @ 3.20GHz	4856	966	35.98	$134.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-6100TE @ 2.70GHz	4315	1078	NA	NA
Intel Core i3-6100U @ 2.30GHz	3604	1228	7.00	$515.00*

Intel Core i3-6102E @ 1.90GHz	3196	1339	14.20	$225.00*
Intel Core i3-6157U @ 2.40GHz	3826	1173	NA	NA
Intel Core i3-6300 @ 3.80GHz	5843	803	36.75	$158.99*
Intel Core i3-6300T @ 3.30GHz	5247	888	33.86	$154.99*
Intel Core i3-6320 @ 3.90GHz	6046	784	14.93	$405.00
Intel Core i3-7020U @ 2.30GHz	3516	1254	12.52	$281.00*
Intel Core i3-7100 @ 3.90GHz	5779	808	48.16	$120.00
Intel Core i3-7100H @ 3.00GHz	4627	1007	20.57	$225.00*
Intel Core i3-7100T @ 3.40GHz	5049	925	34.77	$145.20
Intel Core i3-7100U @ 2.40GHz	3761	1189	9.17	$409.99
Intel Core i3-7101TE @ 3.40GHz	5189	898	44.36	$117.00*
Intel Core i3-7102E @ 2.10GHz	3266	1315	14.52	$225.00*
Intel Core i3-7130U @ 2.70GHz	4062	1122	8.83	$459.99*
Intel Core i3-7167U @ 2.80GHz	4757	981	NA	NA
Intel Core i3-7300 @ 4.00GHz	6328	751	36.83	$171.84*
Intel Core i3-7300T @ 3.50GHz	5369	871	29.57	$181.59*
Intel Core i3-7320 @ 4.10GHz	6417	743	35.12	$182.72*
Intel Core i3-7350K @ 4.20GHz	6593	726	33.90	$194.49
Intel Core i3-8100 @ 3.60GHz	8006	581	61.60	$129.99
Intel Core i3-8100B @ 3.60GHz	8544	528	64.24	$133.00*
Intel Core i3-8100T @ 3.10GHz	7309	654	56.66	$129.00*
Intel Core i3-8109U @ 3.00GHz	6120	771	NA	NA
Intel Core i3-8121U @ 2.20GHz	4802	974	NA	NA
Intel Core i3-8130U @ 2.20GHz	5017	933	17.86	$281.00*
Intel Core i3-8145U @ 2.10GHz	5501	848	19.58	$281.00*
Intel Core i3-8300 @ 3.70GHz	8700	513	45.63	$190.69
Intel Core i3-8300T @ 3.20GHz	8032	576	47.11	$170.49*
Intel Core i3-8350K @ 4.00GHz	9245	452	49.98	$184.99*
Intel Core i3-9100 @ 3.60GHz	8987	479	53.39	$168.36
Intel Core i3-9100F @ 3.60GHz	8948	489	93.29	$95.92
Intel Core i3-9100T @ 3.10GHz	7673	622	62.90	$122.00*
Intel Core i3-9300 @ 3.70GHz	10018	372	65.91	$152.00*
Intel Core i3-9300T @ 3.20GHz	8777	505	61.38	$143.00*
Intel Core i3-9320 @ 3.70GHz	10144	361	62.62	$162.00*
Intel Core i3-9350KF @ 4.00GHz	10526	339	54.26	$194.00
Intel Core i3-10110U @ 2.10GHz	5930	791	NA	NA
Intel Core i3-21050 @ 3.10GHz	3862	1162	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1701	21.97	$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1588	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3542	1241	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3676	1214	NA	NA
Intel Core i5-430M @ 2.27GHz	2094	1738	14.97	$139.95*

Intel Core i5-430UM @ 1.20GHz	1341	2109	NA	NA
Intel Core i5-450M @ 2.40GHz	2133	1721	66.76	$31.95*
Intel Core i5-460M @ 2.53GHz	2320	1639	30.96	$74.95*
Intel Core i5-470UM @ 1.33GHz	1079	2265	NA	NA
Intel Core i5-480M @ 2.67GHz	2400	1616	29.78	$80.60*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-520 @ 2.40GHz	2244	1681	NA	NA
Intel Core i5-520M @ 2.40GHz	2367	1629	79.41	$29.81
Intel Core i5-520UM @ 1.07GHz	1348	2104	NA	NA
Intel Core i5-540M @ 2.53GHz	2452	1598	36.07	$68.00
Intel Core i5-540UM @ 1.20GHz	1375	2090	NA	NA
Intel Core i5-560M @ 2.67GHz	2579	1547	31.46	$81.97*
Intel Core i5-560UM @ 1.33GHz	1664	1955	NA	NA
Intel Core i5-580M @ 2.67GHz	2582	1545	23.49	$109.95*
Intel Core i5-650 @ 3.20GHz	3096	1376	86.02	$35.99
Intel Core i5-655K @ 3.20GHz	3386	1285	56.45	$59.99*
Intel Core i5-660 @ 3.33GHz	3246	1322	9.02	$359.95
Intel Core i5-661 @ 3.33GHz	3192	1340	13.88	$229.99*
Intel Core i5-670 @ 3.47GHz	3309	1306	11.86	$279.00*
Intel Core i5-680 @ 3.60GHz	3513	1255	39.04	$89.99*
Intel Core i5-750 @ 2.67GHz	3719	1200	92.56	$40.19
Intel Core i5-760 @ 2.80GHz	3936	1152	18.83	$209.00*
Intel Core i5-1035G1 @ 1.00GHz	9071	467	30.54	$297.00*
Intel Core i5-1035G4 @ 1.10GHz	8846	502	28.63	$309.00*
Intel Core i5-1035G7 @ 1.20GHz	9214	455	28.79	$320.00*
Intel Core i5-2300 @ 2.80GHz	5362	873	67.04	$79.99*
Intel Core i5-2310 @ 2.90GHz	5536	845	29.72	$186.33*
Intel Core i5-2320 @ 3.00GHz	5774	811	62.09	$93.00
Intel Core i5-2380P @ 3.10GHz	5762	814	32.01	$180.00
Intel Core i5-2390T @ 2.70GHz	4223	1093	42.27	$99.90*
Intel Core i5-2400 @ 3.10GHz	5973	786	112.81	$52.95
Intel Core i5-2400S @ 2.50GHz	4989	938	27.42	$182.00
Intel Core i5-2405S @ 2.50GHz	5082	915	24.44	$208.00*
Intel Core i5-2410M @ 2.30GHz	3171	1347	44.06	$72.00*
Intel Core i5-2415M @ 2.30GHz	3303	1308	NA	NA
Intel Core i5-2430M @ 2.40GHz	3286	1311	36.92	$89.02*
Intel Core i5-2435M @ 2.40GHz	3232	1325	NA	NA
Intel Core i5-2450M @ 2.50GHz	3401	1278	40.49	$84.02*
Intel Core i5-2450P @ 3.20GHz	6149	767	68.34	$89.99*
Intel Core i5-2467M @ 1.60GHz	2317	1641	NA	NA
Intel Core i5-2500 @ 3.30GHz	6353	748	115.52	$55.00

Intel Core i5-2500K @ 3.30GHz	6488	735	14.94	$434.26*
Intel Core i5-2500S @ 2.70GHz	5386	868	71.84	$74.99*
Intel Core i5-2500T @ 2.30GHz	4647	1001	51.64	$89.99*
Intel Core i5-2510E @ 2.50GHz	3483	1261	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1305	NA	NA
Intel Core i5-2520M @ 2.50GHz	3593	1230	21.19	$169.60*
Intel Core i5-2537M @ 1.40GHz	2064	1753	NA	NA
Intel Core i5-2540M @ 2.60GHz	3780	1182	65.16	$58.02
Intel Core i5-2550K @ 3.40GHz	6672	719	35.12	$190.00*
Intel Core i5-2557M @ 1.70GHz	2694	1512	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1192	NA	NA
Intel Core i5-3210M @ 2.50GHz	3828	1171	56.11	$68.24*
Intel Core i5-3230M @ 2.60GHz	3944	1150	18.14	$217.42*
Intel Core i5-3317U @ 1.70GHz	3091	1377	13.74	$225.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-3320M @ 2.60GHz	4132	1111	59.19	$69.81*
Intel Core i5-3330 @ 3.00GHz	5953	789	29.77	$200.00*
Intel Core i5-3330S @ 2.70GHz	5678	822	59.78	$94.99*
Intel Core i5-3335S @ 2.70GHz	5788	807	NA	NA
Intel Core i5-3337U @ 1.80GHz	3228	1329	14.35	$225.00*
Intel Core i5-3339Y @ 1.50GHz	2215	1692	NA	NA
Intel Core i5-3340 @ 3.10GHz	6102	775	20.83	$293.01*
Intel Core i5-3340M @ 2.70GHz	4250	1088	53.16	$79.95*
Intel Core i5-3340S @ 2.80GHz	5846	802	38.98	$149.99*
Intel Core i5-3350P @ 3.10GHz	6154	766	41.03	$149.99*
Intel Core i5-3360M @ 2.80GHz	4440	1051	47.84	$92.81*
Intel Core i5-3380M @ 2.90GHz	4454	1047	NA	NA
Intel Core i5-3427U @ 1.80GHz	3548	1239	8.45	$420.05*
Intel Core i5-3437U @ 1.90GHz	3628	1221	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1431	NA	NA
Intel Core i5-3450 @ 3.10GHz	6534	732	29.79	$219.33*
Intel Core i5-3450S @ 2.80GHz	6233	756	42.99	$145.01
Intel Core i5-3470 @ 3.20GHz	6725	713	126.18	$53.30
Intel Core i5-3470S @ 2.90GHz	6397	745	71.88	$89.00
Intel Core i5-3470T @ 2.90GHz	4489	1038	14.53	$308.95
Intel Core i5-3475S @ 2.90GHz	6617	725	46.12	$143.50*
Intel Core i5-3550 @ 3.30GHz	6965	687	22.47	$309.99
Intel Core i5-3550S @ 3.00GHz	6916	694	22.87	$302.45
Intel Core i5-3570 @ 3.40GHz	7143	670	95.24	$75.00
Intel Core i5-3570K @ 3.40GHz	7186	667	22.12	$324.88
Intel Core i5-3570S @ 3.10GHz	6739	710	23.65	$285.00*
Intel Core i5-3570T @ 2.30GHz	5914	793	NA	NA

Intel Core i5-3610ME @ 2.70GHz	3929	1154	NA	NA
Intel Core i5-4200H @ 2.80GHz	4461	1045	NA	NA
Intel Core i5-4200M @ 2.50GHz	4036	1126	49.77	$81.12*
Intel Core i5-4200U @ 1.60GHz	3281	1312	NA	NA
Intel Core i5-4200Y @ 1.40GHz	2407	1613	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2262	1671	NA	NA
Intel Core i5-4210H @ 2.90GHz	4532	1029	NA	NA
Intel Core i5-4210M @ 2.60GHz	4210	1096	13.58	$309.95*
Intel Core i5-4210U @ 1.70GHz	3403	1277	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2375	1626	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1648	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1445	NA	NA
Intel Core i5-4250U @ 1.30GHz	3376	1288	9.41	$359.00*
Intel Core i5-4258U @ 2.40GHz	4090	1118	NA	NA
Intel Core i5-4260U @ 1.40GHz	3580	1236	NA	NA
Intel Core i5-4278U @ 2.60GHz	4371	1062	NA	NA
Intel Core i5-4288U @ 2.60GHz	4303	1079	NA	NA
Intel Core i5-4300M @ 2.60GHz	4445	1050	NA	NA
Intel Core i5-4300U @ 1.90GHz	3740	1196	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2502	1580	NA	NA
Intel Core i5-4302Y @ 1.60GHz	2971	1416	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	1094	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-4310M @ 2.70GHz	4655	999	NA	NA
Intel Core i5-4310U @ 2.00GHz	3782	1181	NA	NA
Intel Core i5-4330M @ 2.80GHz	4551	1024	16.55	$274.99*
Intel Core i5-4340M @ 2.90GHz	4861	964	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1225	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	1027	17.10	$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1147	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1477	10.55	$266.00*
Intel Core i5-4430 @ 3.00GHz	6339	749	39.63	$159.99*
Intel Core i5-4430S @ 2.70GHz	5963	787	37.27	$159.99*
Intel Core i5-4440 @ 3.10GHz	6519	733	13.12	$497.00*
Intel Core i5-4440S @ 2.80GHz	6256	754	13.51	$462.97*
Intel Core i5-4460 @ 3.20GHz	6723	714	32.46	$207.12
Intel Core i5-4460S @ 2.90GHz	6430	740	9.74	$659.99*
Intel Core i5-4460T @ 1.90GHz	4971	942	NA	NA
Intel Core i5-4570 @ 3.20GHz	7155	669	106.43	$67.23
Intel Core i5-4570R @ 2.70GHz	6768	704	NA	NA
Intel Core i5-4570S @ 2.90GHz	6836	699	48.17	$141.94

Intel Core i5-4570T @ 2.90GHz	4818	970	22.95	$209.95
Intel Core i5-4570TE @ 2.70GHz	3827	1172	19.14	$199.99*
Intel Core i5-4590 @ 3.30GHz	7343	652	74.03	$99.20
Intel Core i5-4590S @ 3.00GHz	7076	675	33.52	$211.07*
Intel Core i5-4590T @ 2.00GHz	5627	827	26.80	$209.95*
Intel Core i5-4670 @ 3.40GHz	7474	639	19.67	$379.95
Intel Core i5-4670K @ 3.40GHz	7636	626	25.46	$299.95
Intel Core i5-4670K CPT @ 3.40GHz	7411	648	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	645	26.88	$276.00*
Intel Core i5-4670S @ 3.10GHz	7407	649	34.78	$213.00*
Intel Core i5-4670T @ 2.30GHz	6155	765	23.76	$259.02*
Intel Core i5-4690 @ 3.50GHz	7690	619	31.55	$243.77
Intel Core i5-4690K @ 3.50GHz	7799	606	49.05	$159.00
Intel Core i5-4690S @ 3.20GHz	7435	643	20.70	$359.21*
Intel Core i5-4690T @ 2.50GHz	6547	730	NA	NA
Intel Core i5-5200U @ 2.20GHz	3496	1259	12.44	$281.00*
Intel Core i5-5250U @ 1.60GHz	3590	1232	8.13	$441.89*
Intel Core i5-5257U @ 2.70GHz	4411	1056	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	992	NA	NA
Intel Core i5-5300U @ 2.30GHz	3840	1168	7.07	$543.39*
Intel Core i5-5350U @ 1.80GHz	3520	1252	NA	NA
Intel Core i5-5575R @ 2.80GHz	7484	636	NA	NA
Intel Core i5-5675C @ 3.10GHz	8135	565	26.25	$309.95*
Intel Core i5-5675R @ 3.10GHz	7991	584	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4149	1109	NA	NA
Intel Core i5-6200U @ 2.30GHz	4009	1130	NA	NA
Intel Core i5-6260U @ 1.80GHz	4360	1065	12.01	$362.97
Intel Core i5-6267U @ 2.90GHz	4888	956	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	983	15.63	$304.00*
Intel Core i5-6300HQ @ 2.30GHz	6097	778	NA	NA
Intel Core i5-6300U @ 2.40GHz	4365	1063	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-6360U @ 2.00GHz	4686	995	NA	NA
Intel Core i5-6400 @ 2.70GHz	6754	707	29.52	$228.83*
Intel Core i5-6400T @ 2.20GHz	5616	830	21.61	$259.95*
Intel Core i5-6402P @ 2.80GHz	7102	672	37.38	$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6223	758	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6807	701	NA	NA
Intel Core i5-6500 @ 3.20GHz	7248	660	45.05	$160.89
Intel Core i5-6500T @ 2.50GHz	6306	752	43.50	$144.99*
Intel Core i5-6500TE @ 2.30GHz	6580	728	31.34	$209.99
Intel Core i5-6600 @ 3.30GHz	7776	609	29.67	$262.13*

Intel Core i5-6600K @ 3.50GHz	8059	571	30.63	$263.11*
Intel Core i5-6600T @ 2.70GHz	7273	657	24.25	$299.95*
Intel Core i5-7200U @ 2.50GHz	4563	1020	16.24	$281.00*
Intel Core i5-7260U @ 2.20GHz	5637	825	10.11	$557.79
Intel Core i5-7267U @ 3.10GHz	5052	923	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	824	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6716	715	NA	NA
Intel Core i5-7300U @ 2.60GHz	5161	903	10.75	$479.99
Intel Core i5-7360U @ 2.30GHz	5855	799	NA	NA
Intel Core i5-7400 @ 3.00GHz	7233	662	35.28	$205.04
Intel Core i5-7400T @ 2.40GHz	6333	750	29.43	$215.22
Intel Core i5-7440HQ @ 2.80GHz	7626	627	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	5901	795	23.60	$250.00*
Intel Core i5-7500 @ 3.40GHz	7938	590	39.70	$199.98
Intel Core i5-7500T @ 2.70GHz	6933	691	22.01	$314.99
Intel Core i5-7600 @ 3.50GHz	8623	521	36.01	$239.50
Intel Core i5-7600K @ 3.80GHz	9048	474	26.47	$341.88
Intel Core i5-7600T @ 2.80GHz	7983	587	31.22	$255.70
Intel Core i5-7640X @ 4.00GHz	9461	428	38.78	$244.00
Intel Core i5-8200Y @ 1.30GHz	4339	1069	14.91	$291.00*
Intel Core i5-8210Y @ 1.60GHz	4227	1092	NA	NA
Intel Core i5-8250U @ 1.60GHz	7650	624	NA	NA
Intel Core i5-8259U @ 2.30GHz	10995	307	8.19	$1,342.61*
Intel Core i5-8265U @ 1.60GHz	8008	580	26.97	$297.00*
Intel Core i5-8265UC @ 1.60GHz	7780	608	NA	NA
Intel Core i5-8279U @ 2.40GHz	10623	331	33.20	$320.00*
Intel Core i5-8300H @ 2.30GHz	9468	426	37.88	$250.00*
Intel Core i5-8305G @ 2.80GHz	8947	490	NA	NA
Intel Core i5-8350U @ 1.70GHz	8138	564	27.40	$297.00*
Intel Core i5-8365U @ 1.60GHz	8392	543	28.26	$297.00*
Intel Core i5-8365UE @ 1.60GHz	8010	579	26.97	$297.00*
Intel Core i5-8400 @ 2.80GHz	11572	289	55.40	$208.90
Intel Core i5-8400H @ 2.50GHz	10365	345	41.46	$250.00*
Intel Core i5-8400T @ 1.70GHz	9532	422	50.44	$189.00*
Intel Core i5-8500 @ 3.00GHz	11796	282	45.48	$259.39
Intel Core i5-8500B @ 3.00GHz	12756	252	66.44	$192.00*
Intel Core i5-8500T @ 2.10GHz	9971	382	42.55	$234.36*
Intel Core i5-8600 @ 3.10GHz	12480	261	29.37	$424.99
Intel Core i5-8600K @ 3.60GHz	12679	256	48.97	$258.89
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-8600T @ 2.30GHz	10981	309	29.92	$366.99*

Intel Core i5-9300H @ 2.40GHz	9828	396	39.32	$250.00*
Intel Core i5-9400 @ 2.90GHz	11979	279	63.05	$189.99
Intel Core i5-9400F @ 2.90GHz	12110	276	83.53	$144.99
Intel Core i5-9400H @ 2.50GHz	11435	290	45.74	$250.00*
Intel Core i5-9400T @ 1.80GHz	9976	381	54.82	$182.00*
Intel Core i5-9500 @ 3.00GHz	12450	262	49.81	$249.95
Intel Core i5-9500F @ 3.00GHz	13135	238	65.03	$202.00*
Intel Core i5-9500T @ 2.20GHz	10557	336	54.98	$192.00*
Intel Core i5-9600 @ 3.10GHz	13931	209	62.19	$224.00*
Intel Core i5-9600K @ 3.70GHz	13478	230	61.28	$219.95
Intel Core i5-9600KF @ 3.70GHz	13582	224	66.26	$204.99
Intel Core i5-9600T @ 2.30GHz	11706	285	54.96	$213.00*
Intel Core i5-10210U @ 1.60GHz	8726	512	29.38	$297.00*
Intel Core i5-24050S @ 2.50GHz	4928	950	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3738	1197	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1793	NA	NA
Intel Core i7-610E @ 2.53GHz	2544	1561	NA	NA
Intel Core i7-620LM @ 2.00GHz	1954	1801	NA	NA
Intel Core i7-620M @ 2.67GHz	2717	1505	24.70	$110.01
Intel Core i7-620UM @ 1.07GHz	1323	2118	NA	NA
Intel Core i7-640LM @ 2.13GHz	2245	1680	NA	NA
Intel Core i7-640M @ 2.80GHz	2827	1468	14.14	$199.95*
Intel Core i7-640UM @ 1.20GHz	1638	1968	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1902	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1921	NA	NA
Intel Core i7-720QM @ 1.60GHz	3008	1402	27.36	$109.95
Intel Core i7-740QM @ 1.73GHz	3191	1341	19.95	$159.95*
Intel Core i7-820QM @ 1.73GHz	3219	1333	13.42	$239.95*
Intel Core i7-840QM @ 1.87GHz	3411	1276	11.76	$289.97*
Intel Core i7-860 @ 2.80GHz	5023	931	17.32	$289.95*
Intel Core i7-860S @ 2.53GHz	4919	951	24.60	$199.99*
Intel Core i7-870 @ 2.93GHz	5339	876	56.00	$95.35
Intel Core i7-870S @ 2.67GHz	4849	968	NA	NA
Intel Core i7-875K @ 2.93GHz	5421	860	16.90	$320.76*
Intel Core i7-880 @ 3.07GHz	5505	847	9.44	$583.00*
Intel Core i7-920 @ 2.67GHz	4913	953	119.84	$41.00
Intel Core i7-920XM @ 2.00GHz	3724	1199	9.31	$399.95*
Intel Core i7-930 @ 2.80GHz	5131	907	50.80	$101.00
Intel Core i7-940 @ 2.93GHz	5332	877	51.27	$103.99*
Intel Core i7-940XM @ 2.13GHz	3973	1137	NA	NA
Intel Core i7-950 @ 3.07GHz	5539	844	138.53	$39.99
Intel Core i7-960 @ 3.20GHz	5796	806	20.70	$280.00*

Intel Core i7-965 @ 3.20GHz	5850	801	41.79	$139.99*
Intel Core i7-970 @ 3.20GHz	8360	546	16.72	$499.95
Intel Core i7-975 @ 3.33GHz	6114	772	14.92	$409.92
Intel Core i7-980 @ 3.33GHz	8557	527	42.79	$199.98*
Intel Core i7-980X @ 3.33GHz	8748	511	7.88	$1,109.95*
Intel Core i7-985 @ 3.47GHz	6641	722	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-990X @ 3.47GHz	9055	473	25.87	$349.99*
Intel Core i7-995X @ 3.60GHz	9791	398	NA	NA
Intel Core i7-1065G7 @ 1.30GHz	10838	321	NA	NA
Intel Core i7-2600 @ 3.40GHz	8184	561	70.44	$116.20
Intel Core i7-2600K @ 3.40GHz	8434	537	57.61	$146.41
Intel Core i7-2600S @ 2.80GHz	7093	673	23.78	$298.26
Intel Core i7-2610UE @ 1.50GHz	2481	1590	NA	NA
Intel Core i7-2617M @ 1.50GHz	2812	1474	NA	NA
Intel Core i7-2620M @ 2.70GHz	3842	1167	22.63	$169.81*
Intel Core i7-2630QM @ 2.00GHz	5522	846	53.71	$102.81
Intel Core i7-2630UM @ 1.60GHz	2584	1544	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5478	851	NA	NA
Intel Core i7-2637M @ 1.70GHz	2900	1447	NA	NA
Intel Core i7-2640M @ 2.80GHz	3926	1155	32.73	$119.95
Intel Core i7-2655LE @ 2.20GHz	3229	1328	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5878	797	42.47	$138.40*
Intel Core i7-2675QM @ 2.20GHz	5546	843	NA	NA
Intel Core i7-2677M @ 1.80GHz	2833	1465	NA	NA
Intel Core i7-2700K @ 3.50GHz	8689	516	28.96	$300.00
Intel Core i7-2710QE @ 2.10GHz	5768	813	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	872	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6102	776	19.75	$309.00
Intel Core i7-2760QM @ 2.40GHz	6554	729	31.22	$209.95*
Intel Core i7-2820QM @ 2.30GHz	6643	721	34.78	$191.02*
Intel Core i7-2840QM @ 2.40GHz	6766	705	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6949	689	12.85	$541.00*
Intel Core i7-2920XM @ 2.50GHz	6998	681	15.89	$440.44*
Intel Core i7-2960XM @ 2.70GHz	7224	664	17.62	$409.95*
Intel Core i7-3517U @ 1.90GHz	3540	1242	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3150	1359	NA	NA
Intel Core i7-3520M @ 2.90GHz	4548	1026	34.45	$132.02*
Intel Core i7-3537U @ 2.00GHz	3809	1178	NA	NA
Intel Core i7-3540M @ 3.00GHz	4668	996	10.86	$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1139	NA	NA

Intel Core i7-3610QE @ 2.30GHz	6544	731	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7458	641	18.65	$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	716	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6817	700	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	640	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7389	650	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7581	629	31.72	$239.00*
Intel Core i7-3632QM @ 2.20GHz	6926	692	30.92	$224.05
Intel Core i7-3635QM @ 2.40GHz	6677	718	NA	NA
Intel Core i7-3667U @ 2.00GHz	3973	1138	NA	NA
Intel Core i7-3687U @ 2.10GHz	4136	1110	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1331	NA	NA
Intel Core i7-3720QM @ 2.60GHz	8122	567	22.38	$363.00*
Intel Core i7-3740QM @ 2.70GHz	8306	551	34.62	$239.95*
Intel Core i7-3770 @ 3.40GHz	9278	449	77.97	$119.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-3770K @ 3.50GHz	9515	423	30.69	$309.99
Intel Core i7-3770S @ 3.10GHz	8902	494	65.88	$135.13
Intel Core i7-3770T @ 2.50GHz	8204	558	24.86	$329.99*
Intel Core i7-3820 @ 3.60GHz	8987	480	22.47	$399.99
Intel Core i7-3820QM @ 2.70GHz	8404	541	29.49	$285.00*
Intel Core i7-3840QM @ 2.80GHz	8763	508	30.32	$289.05*
Intel Core i7-3920XM @ 2.90GHz	8981	482	8.19	$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11975	280	52.07	$229.99*
Intel Core i7-3940XM @ 3.00GHz	9160	459	17.00	$539.00
Intel Core i7-3960X @ 3.30GHz	12571	259	13.82	$909.99*
Intel Core i7-3970X @ 3.50GHz	12695	255	24.90	$509.94*
Intel Core i7-4500U @ 1.80GHz	3786	1180	NA	NA
Intel Core i7-4510U @ 2.00GHz	3916	1158	NA	NA
Intel Core i7-4550U @ 1.50GHz	3676	1215	NA	NA
Intel Core i7-4558U @ 2.80GHz	4401	1057	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	1071	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	978	NA	NA
Intel Core i7-4600M @ 2.90GHz	4904	954	NA	NA
Intel Core i7-4600U @ 2.10GHz	4105	1116	NA	NA
Intel Core i7-4610M @ 3.00GHz	4913	952	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1195	NA	NA
Intel Core i7-4650U @ 1.70GHz	3950	1145	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7203	665	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7733	615	20.19	$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7689	620	40.69	$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7417	646	NA	NA

Intel Core i7-4702MQ @ 2.20GHz	7132	671	32.65	$218.45
Intel Core i7-4710HQ @ 2.50GHz	7723	617	20.43	$378.00*
Intel Core i7-4710MQ @ 2.50GHz	7984	586	29.40	$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7532	633	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7203	666	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7990	585	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8093	569	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8202	559	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8793	503	NA	NA
Intel Core i7-4765T @ 2.00GHz	7305	655	18.26	$399.99*
Intel Core i7-4770 @ 3.40GHz	9782	401	63.52	$154.00
Intel Core i7-4770HQ @ 2.20GHz	8961	484	NA	NA
Intel Core i7-4770K @ 3.50GHz	10076	369	24.58	$409.99
Intel Core i7-4770R @ 3.20GHz	9830	395	NA	NA
Intel Core i7-4770S @ 3.10GHz	9347	440	15.32	$610.00
Intel Core i7-4770T @ 2.50GHz	8601	524	21.51	$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	712	NA	NA
Intel Core i7-4771 @ 3.50GHz	9863	391	16.17	$609.99*
Intel Core i7-4785T @ 2.20GHz	7639	625	NA	NA
Intel Core i7-4790 @ 3.60GHz	9989	378	60.47	$165.19
Intel Core i7-4790K @ 4.00GHz	11165	300	39.88	$279.99
Intel Core i7-4790S @ 3.20GHz	9557	419	19.88	$480.83
Intel Core i7-4790T @ 2.70GHz	9068	469	25.19	$359.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-4800MQ @ 2.70GHz	8444	535	41.40	$204.00*
Intel Core i7-4810MQ @ 2.80GHz	8650	519	45.54	$189.95*
Intel Core i7-4820K @ 3.70GHz	9719	408	44.18	$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9056	472	20.87	$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7900	594	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9289	448	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9353	438	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8986	481	15.32	$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9348	439	20.33	$459.95*
Intel Core i7-4930K @ 3.40GHz	13023	243	16.28	$799.97
Intel Core i7-4930MX @ 3.00GHz	9444	433	8.62	$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9776	403	13.77	$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9856	393	15.82	$623.00*
Intel Core i7-4960X @ 3.60GHz	13813	217	17.94	$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10293	352	NA	NA
Intel Core i7-5500U @ 2.40GHz	3980	1136	NA	NA
Intel Core i7-5550U @ 2.00GHz	3851	1166	NA	NA

Intel Core i7-5557U @ 3.10GHz	4953	946	7.03	$705.00*
Intel Core i7-5600U @ 2.60GHz	4327	1072	NA	NA
Intel Core i7-5650U @ 2.20GHz	4242	1090	NA	NA
Intel Core i7-5675C @ 3.10GHz	8164	562	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	556	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8347	548	NA	NA
Intel Core i7-5775C @ 3.30GHz	10867	319	15.83	$686.32*
Intel Core i7-5775R @ 3.30GHz	10879	318	NA	NA
Intel Core i7-5820K @ 3.30GHz	13012	244	52.05	$249.99
Intel Core i7-5850EQ @ 2.70GHz	9817	397	22.57	$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	430	21.80	$434.00*
Intel Core i7-5930K @ 3.50GHz	13664	219	38.59	$354.09
Intel Core i7-5950HQ @ 2.90GHz	10850	320	NA	NA
Intel Core i7-5960X @ 3.00GHz	15991	153	15.33	$1,042.93*
Intel Core i7-6498DU @ 2.50GHz	4470	1042	NA	NA
Intel Core i7-6500U @ 2.50GHz	4424	1052	11.26	$393.00*
Intel Core i7-6560U @ 2.20GHz	4815	971	NA	NA
Intel Core i7-6567U @ 3.30GHz	5582	836	NA	NA
Intel Core i7-6600U @ 2.60GHz	4801	975	NA	NA
Intel Core i7-6650U @ 2.20GHz	4977	940	NA	NA
Intel Core i7-6700 @ 3.40GHz	10003	376	28.59	$349.89
Intel Core i7-6700HQ @ 2.60GHz	8127	566	21.50	$378.00*
Intel Core i7-6700K @ 4.00GHz	11109	301	28.22	$393.73
Intel Core i7-6700T @ 2.80GHz	8999	477	23.94	$375.99*
Intel Core i7-6700TE @ 2.40GHz	8674	518	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9720	407	9.70	$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13565	225	41.13	$329.85
Intel Core i7-6820EQ @ 2.80GHz	8630	520	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9125	463	24.14	$378.00*
Intel Core i7-6820HQ @ 2.70GHz	8763	509	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6501	734	NA	NA
Intel Core i7-6850K @ 3.60GHz	14370	194	29.33	$489.99
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-6900K @ 3.20GHz	17614	115	25.10	$701.85
Intel Core i7-6920HQ @ 2.90GHz	9549	421	16.81	$568.00*
Intel Core i7-6950X @ 3.00GHz	19920	78	11.25	$1,770.00
Intel Core i7-7500U @ 2.70GHz	5120	908	NA	NA
Intel Core i7-7560U @ 2.40GHz	5770	812	NA	NA
Intel Core i7-7567U @ 3.50GHz	6465	736	8.28	$780.89
Intel Core i7-7600U @ 2.80GHz	5110	911	NA	NA
Intel Core i7-7660U @ 2.50GHz	5989	785	NA	NA
Intel Core i7-7700 @ 3.60GHz	10685	327	33.76	$316.50

Intel Core i7-7700HQ @ 2.80GHz	8766	507	23.19	$378.00*
Intel Core i7-7700K @ 4.20GHz	11994	277	33.79	$354.99
Intel Core i7-7700T @ 2.90GHz	9311	445	30.13	$309.00*
Intel Core i7-7740X @ 4.30GHz	12219	271	31.74	$385.00
Intel Core i7-7800X @ 3.50GHz	14637	187	28.70	$509.99*
Intel Core i7-7820EQ @ 3.00GHz	9144	461	24.19	$378.00*
Intel Core i7-7820HK @ 2.90GHz	9954	383	26.33	$378.00*
Intel Core i7-7820HQ @ 2.90GHz	9247	451	24.46	$378.00*
Intel Core i7-7820X @ 3.60GHz	18517	101	30.52	$606.75
Intel Core i7-7900X @ 3.30GHz	20474	70	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	9991	377	17.59	$568.00*
Intel Core i7-8086K @ 4.00GHz	16680	129	30.17	$552.96*
Intel Core i7-8500Y @ 1.50GHz	3945	1149	10.04	$393.00*
Intel Core i7-8550U @ 1.80GHz	8249	554	NA	NA
Intel Core i7-8559U @ 2.70GHz	12219	272	22.46	$543.99
Intel Core i7-8565U @ 1.80GHz	8866	500	NA	NA
Intel Core i7-8650U @ 1.90GHz	8692	515	21.20	$409.99*
Intel Core i7-8665U @ 1.90GHz	8889	496	21.74	$409.00*
Intel Core i7-8700 @ 3.20GHz	15138	174	37.85	$399.99
Intel Core i7-8700B @ 3.20GHz	14802	184	48.85	$303.00*
Intel Core i7-8700K @ 3.70GHz	15934	156	44.26	$359.99
Intel Core i7-8700T @ 2.40GHz	12629	257	28.19	$447.95
Intel Core i7-8705G @ 3.10GHz	9884	389	7.02	$1,408.75*
Intel Core i7-8706G @ 3.10GHz	10539	337	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	402	NA	NA
Intel Core i7-8750H @ 2.20GHz	12404	263	31.40	$395.00*
Intel Core i7-8809G @ 3.10GHz	10990	308	NA	NA
Intel Core i7-8850H @ 2.60GHz	12975	245	32.85	$395.00*
Intel Core i7-9700 @ 3.00GHz	15966	155	45.62	$349.99
Intel Core i7-9700F @ 3.00GHz	16512	133	50.82	$324.90
Intel Core i7-9700K @ 3.60GHz	17204	118	50.60	$339.99
Intel Core i7-9700KF @ 3.60GHz	17198	120	47.77	$359.99*
Intel Core i7-9700T @ 2.00GHz	13296	233	41.17	$323.00*
Intel Core i7-9750H @ 2.60GHz	13537	227	34.27	$395.00*
Intel Core i7-9800X @ 3.80GHz	19755	84	34.06	$579.99
Intel Core i7-9850H @ 2.60GHz	14162	201	35.85	$395.00*
Intel Core i7-10510U @ 1.80GHz	9291	446	22.72	$409.00*
Intel Core i7-10710U @ 1.10GHz	13061	242	29.48	$443.00*
Intel Core i9-7900X @ 3.30GHz	21867	55	21.29	$1,027.12
Intel Core i9-7920X @ 2.90GHz	23291	43	17.30	$1,346.25*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**

Intel Core i9-7940X @ 3.10GHz	25426	25	20.20	$1,259.00
Intel Core i9-7960X @ 2.80GHz	26030	20	19.28	$1,349.99*
Intel Core i9-7980XE @ 2.60GHz	27647	17	19.20	$1,440.00*
Intel Core i9-8950HK @ 2.90GHz	14220	199	24.39	$583.00*
Intel Core i9-9820X @ 3.30GHz	21536	59	31.21	$689.99
Intel Core i9-9880H @ 2.30GHz	16800	127	30.22	$556.00*
Intel Core i9-9900 @ 3.10GHz	18646	99	43.37	$429.99
Intel Core i9-9900K @ 3.60GHz	20193	76	42.78	$471.99
Intel Core i9-9900KF @ 3.60GHz	20420	73	43.45	$469.99
Intel Core i9-9900KS @ 4.00GHz	21096	65	36.25	$581.99
Intel Core i9-9900T @ 2.10GHz	15563	164	35.45	$439.00*
Intel Core i9-9900X @ 3.50GHz	23011	45	32.88	$699.92
Intel Core i9-9920X @ 3.50GHz	25151	29	20.80	$1,209.00
Intel Core i9-9940X @ 3.30GHz	27124	18	20.30	$1,335.89
Intel Core i9-9960X @ 3.10GHz	28129	14	17.64	$1,594.99
Intel Core i9-9980HK @ 2.40GHz	17651	113	30.28	$583.00*
Intel Core i9-9980XE @ 3.00GHz	29559	10	15.40	$1,919.99
Intel Core m3-6Y30 @ 0.90GHz	3025	1397	10.77	$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3521	1249	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3318	1303	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3679	1212	13.09	$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3354	1292	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3232	1326	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3465	1267	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2653	1523	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1623	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2820	1471	10.04	$281.00*
Intel Core M-5Y31 @ 0.90GHz	2832	1466	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2508	1576	NA	NA
Intel Core M-5Y70 @ 1.10GHz	2912	1438	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2991	1408	10.65	$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2695	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2688	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2606	NA	NA
Intel Core Solo U1300 @ 1.06GHz	270	2852	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2843	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2765	NA	NA
Intel E3000 @ 3.40GHz	2767	1487	NA	NA
Intel Pentium 4 1.40GHz	164	2950	NA	NA
Intel Pentium 4 1.50GHz	131	2967	NA	NA
Intel Pentium 4 1.60GHz	129	2969	NA	NA
Intel Pentium 4 1.70GHz	132	2966	NA	NA

Intel Pentium 4 1.80GHz	161	2953	NA	NA
Intel Pentium 4 1.90GHz	159	2954	NA	NA
Intel Pentium 4 2.00GHz	189	2932	NA	NA
Intel Pentium 4 2.20GHz	209	2914	NA	NA
Intel Pentium 4 2.26GHz	221	2902	NA	NA
Intel Pentium 4 2.40GHz	228	2896	NA	NA
Intel Pentium 4 2.50GHz	245	2880	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium 4 2.53GHz	248	2876	NA	NA
Intel Pentium 4 2.60GHz	288	2822	NA	NA
Intel Pentium 4 2.66GHz	254	2868	NA	NA
Intel Pentium 4 2.80GHz	322	2771	NA	NA
Intel Pentium 4 2.93GHz	293	2813	NA	NA
Intel Pentium 4 3.00GHz	353	2742	NA	NA
Intel Pentium 4 3.06GHz	347	2745	NA	NA
Intel Pentium 4 3.20GHz	373	2716	NA	NA
Intel Pentium 4 3.40GHz	395	2690	NA	NA
Intel Pentium 4 3.46GHz	454	2624	NA	NA
Intel Pentium 4 3.60GHz	486	2590	NA	NA
Intel Pentium 4 3.73GHz	486	2588	NA	NA
Intel Pentium 4 3.80GHz	485	2591	NA	NA
Intel Pentium 4 3.83GHz	195	2927	NA	NA
Intel Pentium 4 4.00GHz	184	2937	NA	NA
Intel Pentium 4 1300MHz	119	2973	NA	NA
Intel Pentium 4 1400MHz	127	2970	NA	NA
Intel Pentium 4 1500MHz	125	2971	NA	NA
Intel Pentium 4 1600MHz	193	2931	0.30	$647.45*
Intel Pentium 4 1700MHz	154	2957	NA	NA
Intel Pentium 4 1800MHz	162	2952	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2960	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2926	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2943	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2915	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2946	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2913	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2922	NA	NA
Intel Pentium 5 2.66GHz	705	2465	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2250	8.18	$134.00*
Intel Pentium 967 @ 1.30GHz	1139	2231	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2225	NA	NA
Intel Pentium 987 @ 1.50GHz	1222	2179	NA	NA

Intel Pentium 997 @ 1.60GHz	1395	2077	NA	NA
Intel Pentium 1403 @ 2.60GHz	2742	1498	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1398	NA	NA
Intel Pentium 2020M @ 2.40GHz	2274	1662	16.98	$134.00*
Intel Pentium 2030M @ 2.50GHz	2398	1617	17.90	$134.00*
Intel Pentium 2117U @ 1.80GHz	1655	1961	12.35	$134.00*
Intel Pentium 2127U @ 1.90GHz	1821	1873	13.59	$134.00*
Intel Pentium 2129Y @ 1.10GHz	1062	2270	7.93	$134.00*
Intel Pentium 3550M @ 2.30GHz	2260	1672	NA	NA
Intel Pentium 3556U @ 1.70GHz	1673	1945	NA	NA
Intel Pentium 3558U @ 1.70GHz	1672	1947	NA	NA
Intel Pentium 3560M @ 2.40GHz	2269	1669	NA	NA
Intel Pentium 3560Y @ 1.20GHz	1266	2157	NA	NA
Intel Pentium 3805U @ 1.90GHz	1965	1795	NA	NA
Intel Pentium 3825U @ 1.90GHz	2508	1575	NA	NA
Intel Pentium 4405U @ 2.10GHz	2928	1432	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium 4405Y @ 1.50GHz	2059	1756	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2050	1760	12.73	$161.00*
Intel Pentium 4415U @ 2.30GHz	3148	1361	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2222	1691	13.80	$161.00*
Intel Pentium 4417U @ 2.30GHz	3185	1342	19.79	$161.00*
Intel Pentium 5405U @ 2.30GHz	3184	1343	19.78	$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	1985	NA	NA
Intel Pentium B940 @ 2.00GHz	1727	1909	57.71	$29.94*
Intel Pentium B950 @ 2.10GHz	1715	1917	NA	NA
Intel Pentium B960 @ 2.20GHz	1852	1852	37.81	$48.99*
Intel Pentium B970 @ 2.30GHz	1953	1803	38.30	$50.99*
Intel Pentium B980 @ 2.40GHz	2027	1768	28.98	$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1177	29.56	$129.00*
Intel Pentium D 805 @ 2.66GHz	529	2555	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2497	NA	NA
Intel Pentium D 915 @ 2.80GHz	583	2525	NA	NA
Intel Pentium D 940 @ 3.20GHz	709	2462	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2450	NA	NA
Intel Pentium D 960 @ 3.60GHz	811	2420	NA	NA
Intel Pentium E2140 @ 1.60GHz	870	2387	18.82	$46.25
Intel Pentium E2160 @ 1.80GHz	999	2308	64.42	$15.51*
Intel Pentium E2180 @ 2.00GHz	1088	2256	36.28	$29.99
Intel Pentium E2200 @ 2.20GHz	1203	2193	16.04	$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2205	NA	NA
Intel Pentium E2220 @ 2.40GHz	1330	2114	15.47	$85.99*

Intel Pentium E5200 @ 2.50GHz	1486	2042	24.80	$59.95
Intel Pentium E5300 @ 2.60GHz	1539	2012	66.98	$22.99
Intel Pentium E5400 @ 2.70GHz	1596	1992	89.91	$17.76*
Intel Pentium E5500 @ 2.80GHz	1635	1971	62.94	$25.99*
Intel Pentium E5700 @ 3.00GHz	1738	1906	115.95	$14.99*
Intel Pentium E5800 @ 3.20GHz	1887	1839	83.87	$22.50
Intel Pentium E6300 @ 2.80GHz	1706	1926	165.70	$10.30*
Intel Pentium E6500 @ 2.93GHz	1765	1890	11.18	$157.95*
Intel Pentium E6600 @ 3.06GHz	1861	1850	18.61	$100.00*
Intel Pentium E6700 @ 3.20GHz	1932	1812	64.44	$29.99
Intel Pentium E6800 @ 3.33GHz	1974	1790	22.19	$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2373	1.20	$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	961	2335	NA	NA
Intel Pentium G620 @ 2.60GHz	2287	1657	38.13	$59.99
Intel Pentium G620T @ 2.20GHz	2033	1765	25.42	$79.99*
Intel Pentium G630 @ 2.70GHz	2371	1628	23.72	$100.00
Intel Pentium G630T @ 2.30GHz	2089	1740	26.12	$79.99*
Intel Pentium G640 @ 2.80GHz	2519	1570	63.00	$40.00
Intel Pentium G640T @ 2.40GHz	1979	1787	NA	NA
Intel Pentium G645 @ 2.90GHz	2589	1543	64.74	$40.00
Intel Pentium G645T @ 2.50GHz	2257	1673	NA	NA
Intel Pentium G840 @ 2.80GHz	2559	1557	73.15	$34.99*
Intel Pentium G850 @ 2.90GHz	2664	1521	89.18	$29.88
Intel Pentium G860 @ 3.00GHz	2736	1501	32.98	$82.99
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium G870 @ 3.10GHz	2812	1473	29.00	$97.00*
Intel Pentium G2010 @ 2.80GHz	2597	1540	51.95	$50.00
Intel Pentium G2020 @ 2.90GHz	2753	1495	45.93	$59.95*
Intel Pentium G2020T @ 2.50GHz	2418	1608	50.81	$47.60*
Intel Pentium G2030 @ 3.00GHz	2868	1457	59.75	$48.00
Intel Pentium G2030T @ 2.60GHz	2487	1587	38.86	$64.00*
Intel Pentium G2100T @ 2.60GHz	2763	1492	NA	NA
Intel Pentium G2120 @ 3.10GHz	3079	1382	19.30	$159.55*
Intel Pentium G2130 @ 3.20GHz	3200	1336	64.01	$49.99*
Intel Pentium G2140 @ 3.30GHz	3377	1287	41.18	$82.00*
Intel Pentium G3220 @ 3.00GHz	3125	1367	32.12	$97.29
Intel Pentium G3220T @ 2.60GHz	2561	1556	40.67	$62.98*
Intel Pentium G3240 @ 3.10GHz	3153	1357	42.05	$74.99
Intel Pentium G3240T @ 2.70GHz	2840	1461	NA	NA
Intel Pentium G3250 @ 3.20GHz	3242	1323	13.93	$232.84
Intel Pentium G3250T @ 2.80GHz	2969	1419	33.00	$89.99*

Intel Pentium G3258 @ 3.20GHz	3865	1161	55.24	$69.98
Intel Pentium G3260 @ 3.30GHz	3357	1291	23.98	$139.99*
Intel Pentium G3260T @ 2.90GHz	2930	1430	32.56	$89.99*
Intel Pentium G3320TE @ 2.30GHz	2389	1620	NA	NA
Intel Pentium G3420 @ 3.20GHz	3396	1280	54.29	$62.55
Intel Pentium G3420T @ 2.70GHz	3008	1403	18.80	$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1281	37.74	$89.99*
Intel Pentium G3440 @ 3.30GHz	3319	1302	20.75	$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1374	NA	NA
Intel Pentium G3450 @ 3.40GHz	3695	1208	36.96	$99.99*
Intel Pentium G3450T @ 2.90GHz	2967	1420	NA	NA
Intel Pentium G3460 @ 3.50GHz	3584	1235	12.44	$288.20*
Intel Pentium G3470 @ 3.60GHz	3714	1202	35.62	$104.29*
Intel Pentium G4400 @ 3.30GHz	3540	1243	52.00	$68.08
Intel Pentium G4400T @ 2.90GHz	3163	1351	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1455	45.09	$64.00*
Intel Pentium G4500 @ 3.50GHz	3793	1179	38.51	$98.51
Intel Pentium G4500T @ 3.00GHz	3471	1264	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	1101	38.05	$109.98
Intel Pentium G4560 @ 3.50GHz	4861	963	45.46	$106.94
Intel Pentium G4560T @ 2.90GHz	3990	1134	36.28	$109.99*
Intel Pentium G4600 @ 3.60GHz	5076	916	21.15	$239.95
Intel Pentium G4600T @ 3.00GHz	4266	1085	24.06	$177.28*
Intel Pentium G4620 @ 3.70GHz	5214	895	45.88	$113.66*
Intel Pentium G6950 @ 2.80GHz	1860	1851	46.52	$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1720	22.72	$94.00*
Intel Pentium G6960 @ 2.93GHz	2059	1757	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5220	893	87.25	$59.83
Intel Pentium Gold G5400T @ 3.10GHz	4884	958	76.31	$64.00*
Intel Pentium Gold G5420 @ 3.80GHz	5468	856	73.91	$73.99
Intel Pentium Gold G5420T @ 3.20GHz	5156	905	80.57	$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5195	897	30.57	$169.94*
Intel Pentium Gold G5500T @ 3.20GHz	4346	1067	57.95	$75.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium Gold G5600 @ 3.90GHz	5570	839	46.72	$119.22
Intel Pentium Gold G5600F @ 3.90GHz	5736	818	NA	NA
Intel Pentium III 933S @ 933MHz	238	2888	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2826	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2842	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2787	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2806	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2803	NA	NA

Intel Pentium III Mobile 750MHz	103	2976	NA	NA
Intel Pentium III Mobile 800MHz	182	2940	NA	NA
Intel Pentium III Mobile 866MHz	152	2958	NA	NA
Intel Pentium III Mobile 933MHz	218	2904	7.55	$28.99
Intel Pentium III Mobile 1000MHz	245	2879	NA	NA
Intel Pentium III Mobile 1066MHz	246	2878	NA	NA
Intel Pentium III Mobile 1133MHz	251	2872	NA	NA
Intel Pentium III Mobile 1200MHz	240	2886	NA	NA
Intel Pentium J2850 @ 2.41GHz	1839	1862	NA	NA
Intel Pentium J2900 @ 2.41GHz	1973	1791	NA	NA
Intel Pentium J3710 @ 1.60GHz	1913	1823	NA	NA
Intel Pentium J4205 @ 1.50GHz	2270	1668	NA	NA
Intel Pentium M 1.10GHz	282	2833	NA	NA
Intel Pentium M 1.20GHz	298	2804	NA	NA
Intel Pentium M 1.30GHz	301	2797	NA	NA
Intel Pentium M 1.40GHz	345	2749	NA	NA
Intel Pentium M 1.50GHz	366	2726	NA	NA
Intel Pentium M 1.60GHz	364	2729	NA	NA
Intel Pentium M 1.70GHz	406	2674	NA	NA
Intel Pentium M 1.73GHz	412	2666	NA	NA
Intel Pentium M 1.80GHz	411	2667	NA	NA
Intel Pentium M 1.86GHz	438	2641	NA	NA
Intel Pentium M 2.00GHz	461	2616	NA	NA
Intel Pentium M 2.10GHz	448	2629	NA	NA
Intel Pentium M 2.13GHz	499	2579	NA	NA
Intel Pentium M 2.26GHz	509	2571	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2596	NA	NA
Intel Pentium M 900MHz	217	2908	NA	NA
Intel Pentium M 1000MHz	233	2892	NA	NA
Intel Pentium M 1100MHz	259	2864	NA	NA
Intel Pentium M 1200MHz	237	2889	NA	NA
Intel Pentium M 1300MHz	303	2791	NA	NA
Intel Pentium M 1400MHz	320	2773	NA	NA
Intel Pentium M 1500MHz	354	2739	NA	NA
Intel Pentium M 1600MHz	335	2759	NA	NA
Intel Pentium M 1700MHz	376	2711	NA	NA
Intel Pentium N3510 @ 1.99GHz	1519	2021	NA	NA
Intel Pentium N3520 @ 2.16GHz	1807	1875	NA	NA
Intel Pentium N3530 @ 2.16GHz	1911	1824	NA	NA
Intel Pentium N3540 @ 2.16GHz	1933	1811	7.71	$250.87*
Intel Pentium N3700 @ 1.60GHz	1835	1863	4.13	$444.78*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium N3710 @ 1.60GHz	1865	1848	NA	NA
Intel Pentium N4200 @ 1.10GHz	2035	1763	8.70	$233.98*
Intel Pentium P6000 @ 1.87GHz	1243	2172	NA	NA
Intel Pentium P6100 @ 2.00GHz	1327	2116	46.68	$28.44*
Intel Pentium P6200 @ 2.13GHz	1351	2103	30.07	$44.95*
Intel Pentium P6300 @ 2.27GHz	1372	2091	NA	NA
Intel Pentium Silver J5005 @ 1.50GHz	2903	1443	13.20	$219.92*
Intel Pentium Silver N5000 @ 1.10GHz	2456	1595	15.26	$161.00*
Intel Pentium SU2700 @ 1.30GHz	405	2675	NA	NA
Intel Pentium SU4100 @ 1.30GHz	853	2398	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2402	NA	NA
Intel Pentium T2060 @ 1.60GHz	663	2486	NA	NA
Intel Pentium T2080 @ 1.73GHz	705	2466	4.41	$159.95*
Intel Pentium T2130 @ 1.86GHz	706	2463	NA	NA
Intel Pentium T2310 @ 1.46GHz	735	2452	NA	NA
Intel Pentium T2330 @ 1.60GHz	827	2409	NA	NA
Intel Pentium T2370 @ 1.73GHz	849	2400	24.26	$35.00*
Intel Pentium T2390 @ 1.86GHz	949	2347	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2324	NA	NA
Intel Pentium T3200 @ 2.00GHz	1032	2284	86.03	$12.00*
Intel Pentium T3400 @ 2.16GHz	1114	2238	12.39	$89.95*
Intel Pentium T4200 @ 2.00GHz	1152	2222	96.02	$12.00*
Intel Pentium T4300 @ 2.10GHz	1231	2176	NA	NA
Intel Pentium T4400 @ 2.20GHz	1281	2146	NA	NA
Intel Pentium T4500 @ 2.30GHz	1333	2112	NA	NA
Intel Pentium U5400 @ 1.20GHz	814	2415	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2345	NA	NA
Intel T1200 @ 1.50GHz	435	2647	NA	NA
Intel T1400 @ 1.73GHz	929	2360	NA	NA
Intel T1500 @ 1.86GHz	953	2343	NA	NA
Intel T2050 @ 2.00GHz	959	2339	NA	NA
Intel Xeon 2.00GHz	233	2891	NA	NA
Intel XEON 2.20GHz	252	2870	NA	NA
Intel Xeon 2.40GHz	276	2845	30.35	$9.10*
Intel Xeon 2.66GHz	435	2646	NA	NA
Intel Xeon 2.80GHz	400	2686	NA	NA
Intel Xeon 3.00GHz	391	2699	NA	NA
Intel Xeon 3.06GHz	491	2583	NA	NA
Intel Xeon 3.20GHz	461	2617	NA	NA
Intel Xeon 3.40GHz	478	2599	NA	NA
Intel Xeon 3.60GHz	509	2570	0.60	$851.00*

Intel Xeon 3.73GHz	1041	2280	NA	NA
Intel Xeon 3.80GHz	604	2514	0.71	$851.00*
Intel Xeon 1500MHz	193	2930	NA	NA
Intel Xeon 3040 @ 1.86GHz	1278	2150	51.05	$25.04*
Intel Xeon 3050 @ 2.13GHz	1300	2129	8.23	$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	2022	66.07	$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	2020	72.77	$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1886	4.36	$408.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon 3075 @ 2.66GHz	1840	1861	5.26	$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	2001	NA	NA
Intel Xeon 5110 @ 1.60GHz	1084	2260	30.99	$35.00*
Intel Xeon 5120 @ 1.86GHz	1248	2171	0.77	$1,619.99*
Intel Xeon 5130 @ 2.00GHz	1366	2093	27.90	$48.99*
Intel Xeon 5133 @ 2.20GHz	1598	1990	NA	NA
Intel Xeon 5140 @ 2.33GHz	1636	1969	65.49	$24.99*
Intel Xeon 5148 @ 2.33GHz	1590	1996	121.17	$13.13*
Intel Xeon 5150 @ 2.66GHz	1740	1904	12.44	$139.95*
Intel Xeon 5160 @ 3.00GHz	1956	1798	39.13	$49.99
Intel Xeon @ 2.00GHz	11327	294	NA	NA
Intel Xeon @ 2.20GHz	1902	1828	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5632	826	23.58	$238.85
Intel Xeon Bronze 3106 @ 1.70GHz	6890	695	19.34	$356.27*
Intel Xeon D-1518 @ 2.20GHz	5322	882	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	816	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	683	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	557	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9643	413	27.71	$348.00*
Intel Xeon D-1537 @ 1.70GHz	7731	616	13.54	$571.00*
Intel Xeon D-1539 @ 1.60GHz	8443	536	17.37	$486.00*
Intel Xeon D-1540 @ 2.00GHz	10740	325	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11083	303	NA	NA
Intel Xeon D-1548 @ 2.00GHz	10679	328	19.24	$555.00*
Intel Xeon D-1557 @ 1.50GHz	10950	312	15.78	$694.00*
Intel Xeon D-1559 @ 1.50GHz	8055	572	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	191	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	206	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8150	563	38.26	$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	249	23.13	$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	216	24.41	$566.00*
Intel Xeon D-2146NT @ 2.30GHz	10968	310	17.11	$641.00*

Intel Xeon D-2183IT @ 2.20GHz	19381	93	10.99	$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6250	755	117.99	$52.98
Intel Xeon E3-1220 V2 @ 3.10GHz	6733	711	112.32	$59.95
Intel Xeon E3-1220 v3 @ 3.10GHz	7178	668	53.57	$133.99
Intel Xeon E3-1220 v5 @ 3.00GHz	7772	610	29.17	$266.46*
Intel Xeon E3-1220 v6 @ 3.00GHz	7752	613	36.65	$211.54
Intel Xeon E3-1220L @ 2.20GHz	3606	1226	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	1053	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2070	1750	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	6094	779	95.24	$63.99
Intel Xeon E3-1225 V2 @ 3.20GHz	6971	685	101.03	$69.00
Intel Xeon E3-1225 v3 @ 3.20GHz	7239	661	53.23	$135.99
Intel Xeon E3-1225 v5 @ 3.30GHz	7834	601	29.23	$268.08
Intel Xeon E3-1225 v6 @ 3.30GHz	7958	589	29.99	$265.43
Intel Xeon E3-1226 v3 @ 3.30GHz	7580	630	12.74	$595.00*
Intel Xeon E3-1230 @ 3.20GHz	7851	599	81.79	$95.99
Intel Xeon E3-1230 V2 @ 3.30GHz	8869	499	113.72	$78.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E3-1230 v3 @ 3.30GHz	9327	442	43.38	$215.00
Intel Xeon E3-1230 v5 @ 3.40GHz	9746	404	23.65	$412.18*
Intel Xeon E3-1230 v6 @ 3.50GHz	9784	400	36.38	$269.00
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	663	25.12	$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9630	416	18.89	$509.95
Intel Xeon E3-1235 @ 3.20GHz	7757	612	31.79	$244.00*
Intel Xeon E3-1235L v5 @ 2.00GHz	6462	737	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7975	588	81.39	$97.99
Intel Xeon E3-1240 V2 @ 3.40GHz	9159	460	72.17	$126.92
Intel Xeon E3-1240 v3 @ 3.40GHz	9677	410	25.18	$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10317	348	30.20	$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10472	342	35.14	$298.00
Intel Xeon E3-1240L v3 @ 2.00GHz	7486	635	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	607	28.03	$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10017	373	27.07	$369.99
Intel Xeon E3-1245 @ 3.30GHz	8040	574	75.86	$105.99
Intel Xeon E3-1245 V2 @ 3.40GHz	9129	462	58.16	$156.99
Intel Xeon E3-1245 v3 @ 3.40GHz	9586	418	37.59	$255.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10169	360	29.45	$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10533	338	33.88	$310.92
Intel Xeon E3-1246 v3 @ 3.50GHz	9861	392	24.11	$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6266	753	111.85	$56.02
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	356	13.88	$736.16*
Intel Xeon E3-1265L @ 2.40GHz	5961	788	6.49	$918.35*

Intel Xeon E3-1265L V2 @ 2.50GHz	7455	642	50.37	$148.00
Intel Xeon E3-1265L v3 @ 2.50GHz	9204	457	12.97	$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	471	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	600	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	514	19.05	$456.54
Intel Xeon E3-1270 @ 3.40GHz	8249	553	26.19	$315.00
Intel Xeon E3-1270 V2 @ 3.50GHz	9466	427	49.13	$192.69
Intel Xeon E3-1270 v3 @ 3.50GHz	9923	386	49.62	$199.99
Intel Xeon E3-1270 v5 @ 3.60GHz	10279	353	21.55	$477.00
Intel Xeon E3-1270 v6 @ 3.80GHz	11171	299	32.21	$346.82
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	326	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10117	366	11.39	$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8122	568	26.72	$304.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9435	434	23.91	$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	10048	370	25.06	$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10353	346	27.28	$379.52*
Intel Xeon E3-1275 v6 @ 3.80GHz	11028	305	29.27	$376.83
Intel Xeon E3-1275L v3 @ 2.70GHz	8901	495	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10209	358	9.51	$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8416	540	22.87	$368.00
Intel Xeon E3-1280 V2 @ 3.60GHz	9455	431	11.01	$859.00*
Intel Xeon E3-1280 v3 @ 3.60GHz	9841	394	21.92	$449.00*
Intel Xeon E3-1280 v5 @ 3.70GHz	10621	332	15.39	$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11041	304	18.64	$592.36*
Intel Xeon E3-1281 v3 @ 3.70GHz	10031	371	11.43	$877.75*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E3-1285 v3 @ 3.60GHz	10458	343	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	341	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11992	278	18.58	$645.40
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	380	12.35	$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10961	311	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	387	11.80	$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	425	12.27	$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8768	506	9.91	$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9653	412	10.91	$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	747	NA	NA
Intel Xeon E3-1505L v6 @ 2.20GHz	7887	596	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8960	485	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9660	411	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10016	374	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9345	441	15.00	$623.00*

Intel Xeon E3-1535M v6 @ 3.10GHz	10563	335	16.96	$623.00*
Intel Xeon E3-1545M v5 @ 2.90GHz	10313	349	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10616	333	8.80	$1,207.00*
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	324	19.42	$556.00*
Intel Xeon E3-1585L v5 @ 3.00GHz	10135	362	22.78	$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7265	659	148.31	$48.99*
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	644	NA	NA
Intel Xeon E5-1428L v2 @ 2.20GHz	8679	517	17.57	$494.00*
Intel Xeon E5-1603 @ 2.80GHz	5578	838	279.36	$19.97*
Intel Xeon E5-1603 v3 @ 2.80GHz	6208	761	62.09	$99.99*
Intel Xeon E5-1603 v4 @ 2.80GHz	6454	739	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5877	798	210.27	$27.95*
Intel Xeon E5-1607 v2 @ 3.00GHz	6217	759	177.91	$34.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	7029	679	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7270	658	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9068	468	139.52	$65.00*
Intel Xeon E5-1620 v2 @ 3.70GHz	9499	424	161.04	$58.99*
Intel Xeon E5-1620 v3 @ 3.50GHz	9743	405	69.60	$139.99
Intel Xeon E5-1620 v4 @ 3.50GHz	9935	385	27.39	$362.73
Intel Xeon E5-1630 v3 @ 3.70GHz	10228	355	21.40	$477.99
Intel Xeon E5-1630 v4 @ 3.70GHz	10310	350	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11733	284	23.70	$495.00*
Intel Xeon E5-1650 v2 @ 3.50GHz	12750	253	115.98	$109.94
Intel Xeon E5-1650 v3 @ 3.50GHz	13624	222	93.34	$145.96
Intel Xeon E5-1650 v4 @ 3.60GHz	14218	200	27.99	$508.00*
Intel Xeon E5-1660 @ 3.30GHz	12247	270	9.98	$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13919	210	49.36	$281.99*
Intel Xeon E5-1660 v3 @ 3.00GHz	14656	186	9.07	$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16203	145	13.18	$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16250	144	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16325	139	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	17063	123	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	107	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1248	73.80	$47.75
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-2403 v2 @ 1.80GHz	3590	1234	99.76	$35.99*
Intel Xeon E5-2407 @ 2.20GHz	4188	1099	49.32	$84.92*
Intel Xeon E5-2407 v2 @ 2.40GHz	4724	987	51.49	$91.75
Intel Xeon E5-2418L @ 2.00GHz	5202	896	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7063	677	18.11	$390.02*
Intel Xeon E5-2420 v2 @ 2.20GHz	8750	510	210.51	$41.57
Intel Xeon E5-2430 @ 2.20GHz	7695	618	75.35	$102.12

Intel Xeon E5-2430 v2 @ 2.50GHz	9061	470	89.40	$101.35
Intel Xeon E5-2430L @ 2.00GHz	7834	602	242.71	$32.28*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	724	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9221	454	230.59	$39.99
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	447	18.22	$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	488	6.29	$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10332	347	172.26	$59.98
Intel Xeon E5-2450L @ 1.80GHz	8261	552	63.55	$130.00*
Intel Xeon E5-2470 @ 2.30GHz	10896	315	85.13	$128.00*
Intel Xeon E5-2470 v2 @ 2.40GHz	11268	297	52.26	$215.64
Intel Xeon E5-2603 @ 1.80GHz	3591	1231	75.05	$47.85*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1186	62.78	$59.99*
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	901	77.05	$67.23
Intel Xeon E5-2603 v4 @ 1.70GHz	5469	854	21.04	$260.00*
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	598	17.82	$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4607	1011	47.97	$96.04*
Intel Xeon E5-2609 v2 @ 2.50GHz	5160	904	108.63	$47.50*
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	794	55.66	$106.03*
Intel Xeon E5-2609 v4 @ 1.70GHz	6925	693	19.25	$359.73*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	274	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14572	188	18.71	$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7905	592	272.69	$28.99
Intel Xeon E5-2620 v2 @ 2.10GHz	8600	525	212.68	$40.44
Intel Xeon E5-2620 v3 @ 2.40GHz	9986	379	33.02	$302.48
Intel Xeon E5-2620 v4 @ 2.10GHz	11324	295	31.03	$364.99
Intel Xeon E5-2623 v3 @ 3.00GHz	8988	478	13.85	$649.00*
Intel Xeon E5-2623 v4 @ 2.60GHz	8506	530	15.50	$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	436	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	266	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	241	9.61	$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	306	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8923	492	223.42	$39.94*
Intel Xeon E5-2630 v2 @ 2.60GHz	10368	344	235.96	$43.94
Intel Xeon E5-2630 v3 @ 2.40GHz	12797	250	136.15	$94.00
Intel Xeon E5-2630 v4 @ 2.20GHz	13913	212	24.89	$559.00
Intel Xeon E5-2630L @ 2.00GHz	8041	573	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9088	466	232.44	$39.10*
Intel Xeon E5-2630L v3 @ 1.80GHz	9727	406	28.62	$339.95*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	248	NA	NA
Intel Xeon E5-2637 @ 3.00GHz	4508	1033	5.09	$885.00*
Intel Xeon E5-2637 v2 @ 3.50GHz	9200	458	68.60	$134.11

Intel Xeon E5-2637 v3 @ 3.50GHz	10117	365	63.03	$160.53

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	10512	340	9.84	$1,068.04
Intel Xeon E5-2640 @ 2.50GHz	9421	435	157.15	$59.95
Intel Xeon E5-2640 v2 @ 2.00GHz	10213	357	64.00	$159.60
Intel Xeon E5-2640 v3 @ 2.60GHz	13864	215	102.70	$135.00*
Intel Xeon E5-2640 v4 @ 2.40GHz	15420	169	16.76	$920.27*
Intel Xeon E5-2643 @ 3.30GHz	8450	533	140.96	$59.95
Intel Xeon E5-2643 v2 @ 3.50GHz	13121	239	67.99	$192.99
Intel Xeon E5-2643 v3 @ 3.40GHz	13887	213	53.41	$259.99
Intel Xeon E5-2643 v4 @ 3.40GHz	13475	231	8.06	$1,671.25*
Intel Xeon E5-2648L @ 1.80GHz	6698	717	NA	NA
Intel Xeon E5-2648L v2 @ 1.90GHz	11381	292	7.70	$1,479.00*
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	291	7.30	$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	220	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	185	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10259	354	235.85	$43.50
Intel Xeon E5-2650 v2 @ 2.60GHz	13231	235	151.07	$87.59
Intel Xeon E5-2650 v3 @ 2.30GHz	14883	182	121.48	$122.52
Intel Xeon E5-2650 v4 @ 2.20GHz	15867	159	10.91	$1,453.99
Intel Xeon E5-2650L @ 1.80GHz	8483	532	107.39	$79.00*
Intel Xeon E5-2650L v2 @ 1.70GHz	9880	390	72.74	$135.84*
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	229	58.19	$232.22*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	205	9.42	$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11302	296	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9632	415	6.59	$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	13874	214	77.09	$179.99*
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	142	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	17275	117	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11255	298	85.39	$131.82*
Intel Xeon E5-2660 v2 @ 2.20GHz	13142	237	61.73	$212.89
Intel Xeon E5-2660 v3 @ 2.60GHz	16429	135	51.35	$319.95
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	126	11.25	$1,499.99*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	207	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11746	283	114.75	$102.37*
Intel Xeon E5-2667 @ 2.90GHz	10670	329	206.39	$51.70*
Intel Xeon E5-2667 v2 @ 3.30GHz	16165	147	48.98	$330.00*
Intel Xeon E5-2667 v3 @ 3.20GHz	16174	146	44.93	$359.99
Intel Xeon E5-2667 v4 @ 3.20GHz	16631	131	8.53	$1,949.03*
Intel Xeon E5-2670 @ 2.60GHz	12372	264	85.33	$145.00
Intel Xeon E5-2670 v2 @ 2.50GHz	15021	177	71.87	$209.00
Intel Xeon E5-2670 v3 @ 2.30GHz	16765	128	108.17	$154.99

Intel Xeon E5-2673 v2 @ 3.30GHz	16320	140	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16401	136	23.43	$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21458	60	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15137	175	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	112	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	16993	124	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	28	9.35	$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12897	246	173.54	$74.32
Intel Xeon E5-2680 v2 @ 2.80GHz	15890	158	90.80	$175.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-2680 v3 @ 2.50GHz	18467	103	99.83	$184.99
Intel Xeon E5-2680 v4 @ 2.40GHz	19864	80	13.16	$1,509.00*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	72	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17325	116	33.97	$509.99*
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	97	8.62	$2,208.93*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	178	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	95	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	82	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14341	196	69.28	$207.00*
Intel Xeon E5-2687W v2 @ 3.40GHz	16343	138	45.41	$359.90*
Intel Xeon E5-2687W v3 @ 3.10GHz	17795	111	29.72	$598.69
Intel Xeon E5-2687W v4 @ 3.00GHz	19863	81	9.13	$2,174.99*
Intel Xeon E5-2689 @ 2.60GHz	13291	234	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	85	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13715	218	103.13	$133.00
Intel Xeon E5-2690 v2 @ 3.00GHz	16391	137	60.13	$272.58
Intel Xeon E5-2690 v3 @ 2.60GHz	19263	94	83.75	$230.00
Intel Xeon E5-2690 v4 @ 2.60GHz	21167	64	9.75	$2,169.99*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	152	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	16041	150	61.94	$258.99
Intel Xeon E5-2695 v3 @ 2.30GHz	19710	87	40.23	$489.99*
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	74	3.49	$5,808.00*
Intel Xeon E5-2696 v2 @ 2.50GHz	16620	132	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22172	49	8.88	$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	63	7.05	$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17198	119	55.66	$309.00
Intel Xeon E5-2697 v3 @ 2.60GHz	21425	62	42.09	$509.00
Intel Xeon E5-2697 v4 @ 2.30GHz	21435	61	7.02	$3,054.99*
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	47	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21042	67	28.06	$749.94
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	56	6.02	$3,629.59*

Intel Xeon E5-2699 v3 @ 2.30GHz	22340	48	18.21	$1,226.99
Intel Xeon E5-2699 v4 @ 2.20GHz	23435	42	5.53	$4,239.00
Intel Xeon E5-4603 @ 2.00GHz	5014	935	89.38	$56.10
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	453	NA	NA
Intel Xeon E5-4610 @ 2.40GHz	9552	420	7.81	$1,223.00*
Intel Xeon E5-4610 v3 @ 1.70GHz	8853	501	7.26	$1,219.00*
Intel Xeon E5-4617 @ 2.90GHz	9313	444	103.59	$89.90*
Intel Xeon E5-4620 @ 2.20GHz	9248	450	68.91	$134.21*
Intel Xeon E5-4627 v2 @ 3.30GHz	12511	260	24.58	$508.95*
Intel Xeon E5-4627 v3 @ 2.60GHz	14489	190	6.04	$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	167	6.97	$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10807	323	3.96	$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	254	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	302	NA	NA
Intel Xeon E5-4650 @ 2.70GHz	11685	287	166.96	$69.99*
Intel Xeon E5-4650L @ 2.60GHz	12145	275	101.22	$119.99*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	267	2.66	$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	157	11.36	$1,399.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	160	3.30	$4,800.00*
Intel Xeon E5-4669 v3 @ 2.10GHz	19615	91	3.63	$5,400.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	221	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1370	1.75	$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2159	1712	93.93	$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1605	247.99	$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1683	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	2075	148.77	$9.42*
Intel Xeon E5240 @ 3.00GHz	2424	1606	27.31	$88.78*
Intel Xeon E5310 @ 1.60GHz	2214	1694	45.19	$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1656	59.05	$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1574	141.45	$17.77*
Intel Xeon E5345 @ 2.33GHz	2886	1454	72.17	$39.99*
Intel Xeon E5405 @ 2.00GHz	2835	1464	70.97	$39.95*
Intel Xeon E5410 @ 2.33GHz	3259	1316	15.60	$208.95*
Intel Xeon E5420 @ 2.50GHz	3482	1263	55.31	$62.95*
Intel Xeon E5430 @ 2.66GHz	3751	1193	33.80	$110.99*
Intel Xeon E5440 @ 2.83GHz	3957	1142	39.97	$99.00*
Intel Xeon E5450 @ 3.00GHz	4180	1102	13.98	$298.94
Intel Xeon E5462 @ 2.80GHz	3872	1159	141.84	$27.30*
Intel Xeon E5472 @ 3.00GHz	4085	1119	136.00	$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	2088	14.51	$95.00*
Intel Xeon E5503 @ 2.00GHz	1381	2085	4.81	$287.01*

Intel Xeon E5504 @ 2.00GHz	2680	1515	38.32	$69.95*
Intel Xeon E5506 @ 2.13GHz	2974	1414	47.21	$63.01*
Intel Xeon E5507 @ 2.27GHz	3125	1366	6.84	$456.91*
Intel Xeon E5520 @ 2.27GHz	4380	1060	306.99	$14.27*
Intel Xeon E5530 @ 2.40GHz	4494	1036	345.72	$13.00*
Intel Xeon E5540 @ 2.53GHz	4747	986	80.46	$59.00*
Intel Xeon E5603 @ 1.60GHz	2366	1630	18.34	$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1391	18.29	$167.00
Intel Xeon E5607 @ 2.27GHz	3371	1289	48.71	$69.21*
Intel Xeon E5620 @ 2.40GHz	4770	979	80.87	$58.99*
Intel Xeon E5630 @ 2.53GHz	5055	922	144.43	$35.00*
Intel Xeon E5640 @ 2.67GHz	5250	887	187.60	$27.99*
Intel Xeon E5645 @ 2.40GHz	6424	742	79.01	$81.31*
Intel Xeon E5649 @ 2.53GHz	6869	698	66.01	$104.07*
Intel Xeon E7320 @ 2.13GHz	2413	1610	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	603	40.54	$193.00*
Intel Xeon E-2124 @ 3.30GHz	9444	432	42.93	$219.99*
Intel Xeon E-2124G @ 3.40GHz	9891	388	38.04	$260.00
Intel Xeon E-2126G @ 3.30GHz	13583	223	45.28	$299.99*
Intel Xeon E-2134 @ 3.50GHz	10882	317	39.45	$275.83
Intel Xeon E-2136 @ 3.30GHz	15793	162	48.68	$324.46*
Intel Xeon E-2144G @ 3.60GHz	11381	293	32.34	$351.90*
Intel Xeon E-2146G @ 3.50GHz	15620	163	44.00	$354.99*
Intel Xeon E-2174G @ 3.80GHz	12278	269	30.47	$402.99*
Intel Xeon E-2176G @ 3.70GHz	15527	166	34.69	$447.61*
Intel Xeon E-2176M @ 2.70GHz	13544	226	30.10	$450.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E-2186G @ 3.80GHz	15838	161	30.17	$524.99*
Intel Xeon E-2186M @ 2.90GHz	14526	189	23.32	$623.00*
Intel Xeon E-2224 @ 3.40GHz	10128	364	51.16	$198.00*
Intel Xeon E-2224G @ 3.50GHz	9617	417	44.12	$218.00*
Intel Xeon E-2226G @ 3.40GHz	12887	247	49.57	$260.00*
Intel Xeon E-2244G @ 3.80GHz	12782	251	46.99	$272.00*
Intel Xeon E-2246G @ 3.60GHz	16023	151	51.52	$311.00*
Intel Xeon E-2274G @ 4.00GHz	12595	258	37.71	$334.00*
Intel Xeon E-2276G @ 3.80GHz	14143	202	39.07	$362.00*
Intel Xeon E-2276M @ 2.80GHz	14414	192	32.03	$450.00*
Intel Xeon E-2278G @ 3.40GHz	16082	148	NA	NA
Intel Xeon E-2278GEL @ 2.00GHz	13914	211	28.17	$494.00*
Intel Xeon E-2286G @ 4.00GHz	16270	143	36.16	$450.00*
Intel Xeon E-2286M @ 2.40GHz	18346	105	29.45	$623.00*

Intel Xeon E-2288G @ 3.70GHz	19666	89	36.49	$539.00*
Intel Xeon Gold 5117 @ 2.00GHz	16672	130	NA	NA
Intel Xeon Gold 5118 @ 2.30GHz	16435	134	15.66	$1,049.36*
Intel Xeon Gold 5120 @ 2.20GHz	18253	106	11.69	$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	109	10.51	$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	10896	316	8.51	$1,280.18
Intel Xeon Gold 5218 @ 2.30GHz	22576	46	15.70	$1,438.00
Intel Xeon Gold 6126 @ 2.60GHz	19711	86	10.43	$1,889.97*
Intel Xeon Gold 6128 @ 3.40GHz	14941	180	8.49	$1,759.75*
Intel Xeon Gold 6130 @ 2.10GHz	19643	90	10.09	$1,947.78
Intel Xeon Gold 6132 @ 2.60GHz	23907	38	10.87	$2,199.90
Intel Xeon Gold 6134 @ 3.20GHz	18206	108	8.47	$2,150.00
Intel Xeon Gold 6136 @ 3.00GHz	21061	66	8.06	$2,613.59*
Intel Xeon Gold 6137 @ 3.90GHz	20443	71	NA	NA
Intel Xeon Gold 6138 @ 2.00GHz	25774	22	9.55	$2,698.95*
Intel Xeon Gold 6140 @ 2.30GHz	23964	37	9.82	$2,439.99*
Intel Xeon Gold 6144 @ 3.50GHz	19667	88	6.72	$2,925.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	30	5.46	$4,608.95*
Intel Xeon Gold 6148 @ 2.40GHz	25817	21	8.83	$2,925.00*
Intel Xeon Gold 6152 @ 2.10GHz	23498	40	5.72	$4,108.95
Intel Xeon Gold 6154 @ 3.00GHz	27722	16	7.09	$3,909.00*
Intel Xeon Gold 6210U @ 2.50GHz	28560	13	13.87	$2,059.86*
Intel Xeon Gold 6230 @ 2.10GHz	24600	31	14.17	$1,736.03
Intel Xeon Gold 6242 @ 2.80GHz	25313	26	9.45	$2,678.49
Intel Xeon Gold 6246 @ 3.30GHz	25734	24	7.83	$3,286.00*
Intel Xeon Gold 6254 @ 3.10GHz	30018	9	8.34	$3,600.00
Intel Xeon L3110 @ 3.00GHz	2273	1666	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1188	42.18	$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	2110	4.83	$277.01*
Intel Xeon L3426 @ 1.87GHz	3943	1151	8.82	$447.01*
Intel Xeon L5238 @ 2.66GHz	1823	1872	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1667	72.33	$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1663	20.22	$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1719	30.52	$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1494	146.68	$18.79*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon L5408 @ 2.13GHz	3014	1399	NA	NA
Intel Xeon L5410 @ 2.33GHz	3358	1290	33.56	$100.08*
Intel Xeon L5420 @ 2.50GHz	3501	1258	127.32	$27.50*
Intel Xeon L5430 @ 2.66GHz	3712	1203	23.51	$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1201	16.59	$224.00*
Intel Xeon L5520 @ 2.27GHz	4324	1074	337.35	$12.82*

Intel Xeon L5530 @ 2.40GHz	4389	1059	227.93	$19.26*
Intel Xeon L5630 @ 2.13GHz	4338	1070	206.69	$20.99*
Intel Xeon L5638 @ 2.00GHz	5622	828	80.43	$69.90*
Intel Xeon L5639 @ 2.13GHz	6869	697	NA	NA
Intel Xeon L5640 @ 2.27GHz	6232	757	74.77	$83.36*
Intel Xeon L7455 @ 2.13GHz	3836	1169	NA	NA
Intel Xeon MV 3.20GHz	683	2478	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26835	19	NA	NA
Intel Xeon Platinum 8151 @ 3.40GHz	6947	690	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	29131	11	4.95	$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	12	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	15	NA	NA
Intel Xeon Platinum 8176 @ 2.10GHz	24434	36	2.80	$8,725.00*
Intel Xeon Silver 4108 @ 1.80GHz	10838	322	21.25	$509.95*
Intel Xeon Silver 4109T @ 2.00GHz	10946	313	21.85	$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11657	288	30.97	$376.41
Intel Xeon Silver 4112 @ 2.60GHz	8611	523	16.75	$513.99*
Intel Xeon Silver 4114 @ 2.20GHz	14297	197	24.47	$584.38
Intel Xeon Silver 4116 @ 2.10GHz	15509	168	15.68	$989.00
Intel Xeon Silver 4123 @ 3.00GHz	15185	173	NA	NA
Intel Xeon Silver 4208 @ 2.10GHz	13116	240	26.27	$499.37
Intel Xeon Silver 4210 @ 2.20GHz	15974	154	28.77	$555.31
Intel Xeon Silver 4214 @ 2.20GHz	17630	114	27.98	$630.21
Intel Xeon Silver 4215 @ 2.50GHz	15200	172	20.29	$749.00*
Intel Xeon Silver 4216 @ 2.10GHz	19538	92	20.52	$952.00
Intel Xeon W3503 @ 2.40GHz	1757	1895	175.90	$9.99*
Intel Xeon W3505 @ 2.53GHz	1844	1858	74.18	$24.86*
Intel Xeon W3520 @ 2.67GHz	4940	947	102.93	$48.00*
Intel Xeon W3530 @ 2.80GHz	5217	894	17.75	$293.95*
Intel Xeon W3540 @ 2.93GHz	5399	866	271.06	$19.92*
Intel Xeon W3550 @ 3.07GHz	5567	840	185.63	$29.99*
Intel Xeon W3565 @ 3.20GHz	5776	810	288.96	$19.99*
Intel Xeon W3570 @ 3.20GHz	6047	783	12.60	$479.95*
Intel Xeon W3580 @ 3.33GHz	6183	763	28.83	$214.50*
Intel Xeon W3670 @ 3.20GHz	8021	577	16.04	$499.99*
Intel Xeon W3680 @ 3.33GHz	8904	493	55.67	$159.95*
Intel Xeon W3690 @ 3.47GHz	8978	483	46.04	$195.01
Intel Xeon W5580 @ 3.20GHz	5836	804	54.53	$107.03*
Intel Xeon W5590 @ 3.33GHz	6088	780	2.43	$2,508.95*
Intel Xeon W-2102 @ 2.90GHz	6981	682	29.70	$235.05*
Intel Xeon W-2104 @ 3.20GHz	7475	638	29.32	$255.00*

Intel Xeon W-2123 @ 3.60GHz	10663	330	33.43	$318.99
Intel Xeon W-2125 @ 4.00GHz	12326	265	25.25	$488.10
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon W-2133 @ 3.60GHz	14382	193	23.31	$617.00*
Intel Xeon W-2135 @ 3.70GHz	16307	141	18.19	$896.60
Intel Xeon W-2140B @ 3.20GHz	18610	100	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19765	83	16.63	$1,188.75
Intel Xeon W-2150B @ 3.00GHz	21543	58	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21917	53	14.32	$1,530.39*
Intel Xeon W-2170B @ 2.50GHz	24561	33	NA	NA
Intel Xeon W-2175 @ 2.50GHz	24454	35	11.60	$2,108.20
Intel Xeon W-2195 @ 2.30GHz	24481	34	7.04	$3,478.65
Intel Xeon W-3175X @ 3.10GHz	33538	4	10.86	$3,088.54
Intel Xeon W-3265 @ 2.70GHz	31691	7	9.46	$3,349.00*
Intel Xeon X3210 @ 2.13GHz	2740	1499	14.76	$185.71*
Intel Xeon X3220 @ 2.40GHz	3088	1378	51.35	$60.15*
Intel Xeon X3230 @ 2.66GHz	3398	1279	47.53	$71.50*
Intel Xeon X3320 @ 2.50GHz	3306	1307	14.41	$229.50*
Intel Xeon X3323 @ 2.50GHz	3178	1345	164.16	$19.36*
Intel Xeon X3330 @ 2.66GHz	3340	1299	15.91	$210.00*
Intel Xeon X3350 @ 2.66GHz	3820	1174	63.69	$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1165	52.43	$73.50*
Intel Xeon X3360 @ 2.83GHz	3925	1156	24.85	$157.95*
Intel Xeon X3363 @ 2.83GHz	3982	1135	116.84	$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	1081	11.70	$367.02*
Intel Xeon X3380 @ 3.16GHz	4600	1014	9.02	$509.95*
Intel Xeon X3430 @ 2.40GHz	3343	1297	104.52	$31.99*
Intel Xeon X3440 @ 2.53GHz	4511	1032	31.78	$141.96*
Intel Xeon X3450 @ 2.67GHz	4747	984	59.39	$79.95*
Intel Xeon X3460 @ 2.80GHz	5147	906	14.42	$357.00*
Intel Xeon X3470 @ 2.93GHz	5331	878	33.33	$159.95*
Intel Xeon X3480 @ 3.07GHz	5661	823	NA	NA
Intel Xeon X5260 @ 3.33GHz	2455	1596	45.47	$54.00*
Intel Xeon X5270 @ 3.50GHz	2553	1560	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1619	17.10	$140.00*
Intel Xeon X5355 @ 2.66GHz	3170	1348	10.23	$309.95
Intel Xeon X5365 @ 3.00GHz	3524	1247	45.19	$77.99
Intel Xeon X5450 @ 3.00GHz	4106	1115	68.49	$59.96*
Intel Xeon X5460 @ 3.16GHz	4323	1075	43.33	$99.78*
Intel Xeon X5470 @ 3.33GHz	4577	1019	24.22	$189.00*
Intel Xeon X5472 @ 3.00GHz	4001	1131	17.78	$225.00*
Intel Xeon X5482 @ 3.20GHz	4528	1030	45.29	$99.99*

Intel Xeon X5492 @ 3.40GHz	4865	961	3.50	$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5270	885	17.29	$304.85*
Intel Xeon X5560 @ 2.80GHz	5405	863	159.04	$33.99*
Intel Xeon X5570 @ 2.93GHz	5615	831	23.40	$239.95*
Intel Xeon X5647 @ 2.93GHz	5797	805	290.91	$19.93*
Intel Xeon X5650 @ 2.67GHz	7291	656	105.02	$69.43*
Intel Xeon X5660 @ 2.80GHz	7589	628	120.11	$63.19*
Intel Xeon X5667 @ 3.07GHz	6198	762	265.70	$23.33*
Intel Xeon X5670 @ 2.93GHz	7813	604	177.79	$43.95
Intel Xeon X5672 @ 3.20GHz	6461	738	143.61	$44.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon X5675 @ 3.07GHz	7993	583	150.86	$52.99
Intel Xeon X5677 @ 3.47GHz	6754	708	79.46	$85.00*
Intel Xeon X5679 @ 3.20GHz	8958	486	NA	NA
Intel Xeon X5680 @ 3.33GHz	8354	547	119.43	$69.95
Intel Xeon X5687 @ 3.60GHz	6967	686	123.71	$56.32*
Intel Xeon X5690 @ 3.47GHz	8793	504	73.28	$120.00
Intel Xeon X5698 @ 4.40GHz	4272	1083	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1413	NA	NA
Mobile AMD Athlon 4	314	2781	3.62	$86.99*
Mobile AMD Athlon 4 2400+	358	2736	NA	NA
Mobile AMD Athlon 64 2700+	398	2687	NA	NA
Mobile AMD Athlon 64 2800+	440	2638	NA	NA
Mobile AMD Athlon 64 3000+	450	2626	NA	NA
Mobile AMD Athlon 64 3200+	448	2630	NA	NA
Mobile AMD Athlon 64 3400+	511	2569	NA	NA
Mobile AMD Athlon 64 3700+	435	2648	NA	NA
Mobile AMD Athlon 64 4000+	576	2530	NA	NA
Mobile AMD Athlon 1400+	266	2856	NA	NA
Mobile AMD Athlon 2500+	370	2720	NA	NA
Mobile AMD Athlon MP-M 1800+	265	2857	NA	NA
Mobile AMD Athlon MP-M 2000+	378	2710	NA	NA
Mobile AMD Athlon MP-M 2400+	295	2810	NA	NA
Mobile AMD Athlon MP-M 2800+	496	2581	NA	NA
Mobile AMD Athlon XP	572	2534	45.81	$12.49
Mobile AMD Athlon XP-M	512	2568	NA	NA
Mobile AMD Athlon XP-M 1400+	184	2938	NA	NA
Mobile AMD Athlon XP-M 1500+	261	2860	NA	NA
Mobile AMD Athlon XP-M 1600+	260	2862	NA	NA
Mobile AMD Athlon XP-M 1700+	323	2769	NA	NA
Mobile AMD Athlon XP-M 1800+	297	2805	NA	NA
Mobile AMD Athlon XP-M 1900+	342	2753	NA	NA

Mobile AMD Athlon XP-M 2000+	300	2799	NA	NA
Mobile AMD Athlon XP-M 2200+	364	2730	NA	NA
Mobile AMD Athlon XP-M 2400+	346	2748	NA	NA
Mobile AMD Athlon XP-M 2500+	346	2746	NA	NA
Mobile AMD Athlon XP-M 2600+	370	2719	NA	NA
Mobile AMD Athlon XP-M 2800+	365	2728	NA	NA
Mobile AMD Athlon XP-M 3000+	365	2727	NA	NA
Mobile AMD Athlon XP-M 3100+	440	2639	NA	NA
Mobile AMD Athlon XP-M 3200+	487	2587	NA	NA
Mobile AMD Athlon XP-M (LV)	508	2572	NA	NA
Mobile AMD Athlon XP-M (LV) 1500+	288	2818	NA	NA
Mobile AMD Athlon XP-M (LV) 1600+	296	2809	NA	NA
Mobile AMD Athlon XP-M (LV) 2000+	335	2758	NA	NA
Mobile AMD Athlon XP-M (LV) 2200+	373	2717	NA	NA
Mobile AMD Athlon XP-M (LV) 2800+	475	2602	NA	NA
Mobile AMD Athlon XP-M (LV) 3200+	505	2575	NA	NA
Mobile AMD Sempron 2100+	252	2871	NA	NA
Mobile AMD Sempron 2600+	394	2693	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Mobile AMD Sempron 2800+	364	2731	NA	NA
Mobile AMD Sempron 3000+	389	2704	NA	NA
Mobile AMD Sempron 3100+	416	2661	NA	NA
Mobile AMD Sempron 3200+	354	2740	NA	NA
Mobile AMD Sempron 3300+	446	2634	NA	NA
Mobile AMD Sempron 3400+	441	2637	NA	NA
Mobile AMD Sempron 3500+	408	2670	NA	NA
Mobile AMD Sempron 3600+	427	2655	NA	NA
Mobile AMD Sempron 3800+	485	2592	NA	NA
Mobile Intel Celeron 1.20GHz	170	2949	NA	NA
Mobile Intel Celeron 1.50GHz	188	2933	NA	NA
Mobile Intel Celeron 1.60GHz	188	2934	NA	NA
Mobile Intel Celeron 1.70GHz	181	2942	NA	NA
Mobile Intel Celeron 1.80GHz	186	2936	NA	NA
Mobile Intel Celeron 2.00GHz	204	2918	NA	NA
Mobile Intel Celeron 2.20GHz	226	2898	NA	NA
Mobile Intel Celeron 2.40GHz	236	2890	NA	NA
Mobile Intel Celeron 2.50GHz	281	2837	NA	NA
Mobile Intel Celeron 1200MHz	294	2811	NA	NA
Mobile Intel Celeron 1333MHz	280	2839	NA	NA
Mobile Intel Pentium 4 2.30GHz	278	2844	6.38	$43.56*
Mobile Intel Pentium 4 2.40GHz	264	2859	NA	NA

Mobile Intel Pentium 4 2.66GHz	279	2841	NA	NA
Mobile Intel Pentium 4 2.80GHz	315	2779	NA	NA
Mobile Intel Pentium 4 3.06GHz	337	2755	NA	NA
Mobile Intel Pentium 4 3.20GHz	356	2737	NA	NA
Mobile Intel Pentium 4 3.33GHz	439	2640	NA	NA
Mobile Intel Pentium 4 3.46GHz	478	2600	NA	NA
Mobile Intel Pentium 4 - M 1.60GHz	195	2928	NA	NA
Mobile Intel Pentium 4 - M 1.70GHz	173	2948	1.10	$157.81
Mobile Intel Pentium 4 - M 1.80GHz	175	2945	NA	NA
Mobile Intel Pentium 4 - M 1.90GHz	232	2893	NA	NA
Mobile Intel Pentium 4 - M 2.00GHz	202	2923	NA	NA
Mobile Intel Pentium 4 - M 2.20GHz	198	2925	NA	NA
Mobile Intel Pentium 4 - M 2.40GHz	213	2909	NA	NA
Mobile Intel Pentium 4 - M 2.50GHz	256	2866	NA	NA
Mobile Intel Pentium 4 - M 2.60GHz	313	2783	NA	NA
Mobile Intel Pentium III - M 866MHz	211	2912	NA	NA
Mobile Intel Pentium III - M 933MHz	200	2924	NA	NA
Mobile Intel Pentium III - M 1000MHz	250	2874	NA	NA
Mobile Intel Pentium III - M 1133MHz	289	2816	NA	NA
Mobile Intel Pentium III - M 1200MHz	224	2899	NA	NA
Mobile Intel Pentium III - M 1333MHz	289	2817	NA	NA
Pentium Dual-Core E6000 @ 3.46GHz	2501	1581	NA	NA
Quad-Core AMD Opteron 1385	3442	1271	63.75	$54.00*
Quad-Core AMD Opteron 1389	3446	1270	NA	NA
Six-Core AMD Opteron 2419 EE	2925	1434	NA	NA
VIA C3 Ezra	100	2977	NA	NA
VIA C7 1500MHz	284	2828	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
VIA C7-D 1500MHz	287	2824	NA	NA
VIA C7-D 1800MHz	203	2920	NA	NA
VIA C7-D 2000MHz	368	2723	NA	NA
VIA C7-M 1000MHz	164	2951	NA	NA
VIA C7-M 1200MHz	140	2964	NA	NA
VIA C7-M 1600MHz	178	2944	NA	NA
VIA C7-M 6300MHz	222	2901	NA	NA
VIA Eden 800MHz	155	2955	NA	NA
VIA Eden 1000MHz	123	2972	NA	NA
VIA Eden 1200MHz	142	2963	NA	NA
VIA Eden C1050@1.06GHz	352	2743	NA	NA
VIA Eden X2 U4200 @ 1.0+ GHz	499	2578	NA	NA
VIA Eden X4 C4250 @ 1.2+GHz	1262	2159	NA	NA
VIA Esther 1000MHz	146	2962	NA	NA

VIA Esther 1300MHz	250	2873	NA	NA
VIA Esther 1500MHz	219	2903	NA	NA
VIA Esther 2000MHz	394	2692	NA	NA
VIA Nano L1900@1400MHz	457	2620	NA	NA
VIA Nano L2007@1600MHz	369	2721	NA	NA
VIA Nano L2100@1800MHz	428	2653	NA	NA
VIA Nano L2207@1600MHz	296	2807	NA	NA
VIA Nano L3025@1600MHz	517	2565	NA	NA
VIA Nano L3050@1800MHz	581	2527	NA	NA
VIA Nano L3600@2000MHz	645	2494	NA	NA
VIA Nano U2250 (1.6GHz Capable)	415	2662	NA	NA
VIA Nano U2250@1300+MHz	274	2848	NA	NA
VIA Nano U2500@1200MHz	306	2790	NA	NA
VIA Nano U3100 (1.6GHz Capable)	501	2576	NA	NA
VIA Nano U3300@1200MHz	409	2669	NA	NA
VIA Nano U3500@1000MHz	275	2846	NA	NA
VIA Nano X2 U4025 @ 1.2 GHz	605	2512	NA	NA
VIA Nehemiah	155	2956	NA	NA
VIA QuadCore C4650@2.0GHz	1897	1830	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	2097	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2206	NA	NA
VIA Samuel 2	79	2979	NA	NA
ZHAOXIN KaiXian KX-U6780A@2.7GHz	5760	815	NA	NA
ZHAOXIN KaiXian ZX-C+ C4700@2.0GHz	2069	1751	NA	NA

** - Last price seen from our affiliates.*

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	332	3.61	$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	153	100.33	$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	438	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	444	2.95	$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	490	NA	NA
[Dual CPU] AMD EPYC 7251	12955	209	10.91	$1,187.40
[Dual CPU] AMD EPYC 7261	12430	216	9.31	$1,334.68
[Dual CPU] AMD EPYC 7281	13293	205	10.18	$1,305.58
[Dual CPU] AMD EPYC 7371	19370	134	6.25	$3,100.00*
[Dual CPU] AMD EPYC 7401	23518	82	7.24	$3,249.80
[Dual CPU] AMD EPYC 7451	28957	47	6.11	$4,741.14
[Dual CPU] AMD EPYC 7501	28991	46	7.03	$4,121.72
[Dual CPU] AMD EPYC 7542	46721	3	NA	NA

[Dual CPU] AMD EPYC 7551	31452	34	11.08	$2,839.80
[Dual CPU] AMD EPYC 7601	33545	26	5.34	$6,279.12
[Dual CPU] AMD EPYC 7742	55574	1	4.00	$13,900.00*
[Dual CPU] AMD Opteron 246	1130	479	28.26	$39.98*
[Dual CPU] AMD Opteron 248	1053	480	5.27	$199.90
[Dual CPU] AMD Opteron 250	1438	475	65.36	$22.00*
[Dual CPU] AMD Opteron 252	1418	476	11.19	$126.72*
[Dual CPU] AMD Opteron 254	816	485	NA	NA
[Dual CPU] AMD Opteron 256	1853	472	48.76	$38.00*
[Dual CPU] AMD Opteron 265	2010	470	13.77	$146.00
[Dual CPU] AMD Opteron 270	2226	466	1.83	$1,214.94*
[Dual CPU] AMD Opteron 275	2133	469	13.00	$164.10*
[Dual CPU] AMD Opteron 280	2452	461	18.86	$130.00
[Dual CPU] AMD Opteron 285	2769	451	17.32	$159.90
[Dual CPU] AMD Opteron 290	2716	453	10.06	$270.00*
[Dual CPU] AMD Opteron 850	1410	477	0.47	$3,028.00*
[Dual CPU] AMD Opteron 885	2851	447	NA	NA
[Dual CPU] AMD Opteron 2212	2203	467	55.08	$40.00*
[Dual CPU] AMD Opteron 2214	2344	462	40.41	$58.00*
[Dual CPU] AMD Opteron 2214 HE	2463	460	NA	NA
[Dual CPU] AMD Opteron 2216	2485	459	48.16	$51.60
[Dual CPU] AMD Opteron 2216 HE	2593	455	NA	NA
[Dual CPU] AMD Opteron 2218	2719	452	17.00	$159.90
[Dual CPU] AMD Opteron 2218 HE	2514	456	NA	NA
[Dual CPU] AMD Opteron 2220	2854	446	17.85	$159.90
[Dual CPU] AMD Opteron 2220 SE	2882	445	57.64	$50.00*
[Dual CPU] AMD Opteron 2222	2998	442	0.90	$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	436	45.30	$71.90*
[Dual CPU] AMD Opteron 2346 HE	4095	426	NA	NA
[Dual CPU] AMD Opteron 2347 HE	3470	433	7.36	$471.66*
[Dual CPU] AMD Opteron 2350	4078	427	25.50	$159.90*
[Dual CPU] AMD Opteron 2354	4554	415	6.86	$664.06*
[Dual CPU] AMD Opteron 2356	4441	418	42.70	$104.00*
[Dual CPU] AMD Opteron 2360 SE	5315	397	75.93	$70.00
[Dual CPU] AMD Opteron 2373 EE	4164	424	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	411	36.92	$130.00
[Dual CPU] AMD Opteron 2376	5238	398	15.70	$333.62*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] AMD Opteron 2378	5318	396	14.85	$358.00*
[Dual CPU] AMD Opteron 2380	5560	390	61.78	$90.00
[Dual CPU] AMD Opteron 2384	5714	383	3.40	$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	370	NA	NA

[Dual CPU] AMD Opteron 2389	5677	384	48.11	$118.00*
[Dual CPU] AMD Opteron 2419	5191	400	216.47	$23.98*
[Dual CPU] AMD Opteron 2425 HE	6209	371	NA	NA
[Dual CPU] AMD Opteron 2427	5907	380	36.94	$159.90
[Dual CPU] AMD Opteron 2431	6438	364	80.48	$80.00*
[Dual CPU] AMD Opteron 2435	7068	348	54.37	$130.00
[Dual CPU] AMD Opteron 2439 SE	8071	318	44.84	$179.98*
[Dual CPU] AMD Opteron 4122	4076	428	16.31	$249.98*
[Dual CPU] AMD Opteron 4130	5651	386	24.58	$229.90*
[Dual CPU] AMD Opteron 4170 HE	6344	367	53.76	$118.00*
[Dual CPU] AMD Opteron 4180	6367	365	7.77	$819.90*
[Dual CPU] AMD Opteron 4184	7813	322	7.51	$1,039.90*
[Dual CPU] AMD Opteron 4226	8088	317	80.90	$99.98*
[Dual CPU] AMD Opteron 4228 HE	7986	319	NA	NA
[Dual CPU] AMD Opteron 4234	8953	292	19.46	$459.98*
[Dual CPU] AMD Opteron 4274 HE	6797	355	84.98	$79.98*
[Dual CPU] AMD Opteron 4276 HE	9681	276	NA	NA
[Dual CPU] AMD Opteron 4280	4525	416	45.25	$100.00*
[Dual CPU] AMD Opteron 4284	9151	285	76.27	$119.98*
[Dual CPU] AMD Opteron 4334	9462	283	21.86	$432.84*
[Dual CPU] AMD Opteron 4340	10419	256	21.71	$479.98*
[Dual CPU] AMD Opteron 4376 HE	10244	264	8.15	$1,257.44*
[Dual CPU] AMD Opteron 4386	11410	237	40.75	$279.98*
[Dual CPU] AMD Opteron 6128	6762	356	178.04	$37.98
[Dual CPU] AMD Opteron 6128 HE	5582	389	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	302	NA	NA
[Dual CPU] AMD Opteron 6134	7586	334	86.22	$87.98*
[Dual CPU] AMD Opteron 6136	7255	342	32.98	$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	403	NA	NA
[Dual CPU] AMD Opteron 6168	7741	329	6.67	$1,159.90
[Dual CPU] AMD Opteron 6172	7621	333	19.24	$396.00*
[Dual CPU] AMD Opteron 6174	7783	324	59.87	$130.00
[Dual CPU] AMD Opteron 6176 SE	8448	307	26.57	$318.00*
[Dual CPU] AMD Opteron 6180 SE	3114	439	16.40	$189.90
[Dual CPU] AMD Opteron 6204	7134	344	50.96	$139.98*
[Dual CPU] AMD Opteron 6212	8927	296	148.83	$59.98*
[Dual CPU] AMD Opteron 6220	10740	251	89.51	$119.98*
[Dual CPU] AMD Opteron 6234	10079	269	168.26	$59.90*
[Dual CPU] AMD Opteron 6238	10349	258	14.38	$719.78*
[Dual CPU] AMD Opteron 6272	9841	273	70.30	$139.98
[Dual CPU] AMD Opteron 6274	10536	253	81.05	$130.00

[Dual CPU] AMD Opteron 6275	10900	249	NA	NA
[Dual CPU] AMD Opteron 6276	10101	268	29.88	$338.00
[Dual CPU] AMD Opteron 6284 SE	11985	230	17.12	$699.98*
[Dual CPU] AMD Opteron 6308	8349	309	13.47	$619.96*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 6320	10716	252	20.69	$518.02
[Dual CPU] AMD Opteron 6328	12013	229	16.49	$728.48
[Dual CPU] AMD Opteron 6344	11203	242	14.40	$778.00*
[Dual CPU] AMD Opteron 6348	11412	236	18.64	$612.20
[Dual CPU] AMD Opteron 6366 HE	12147	223	202.52	$59.98*
[Dual CPU] AMD Opteron 6376	10452	255	79.39	$131.66
[Dual CPU] AMD Opteron 6378	9145	286	4.51	$2,029.70
[Dual CPU] AMD Opteron 6380	14200	188	118.85	$119.48
[Dual CPU] AMD Opteron 6386 SE	12195	222	42.05	$289.98
[Dual CPU] AMD Opteron 8218	2831	448	61.54	$46.00*
[Dual CPU] AMD Opteron 8220	2510	457	15.70	$159.90
[Dual CPU] AMD Opteron 8222 SE	2793	450	0.45	$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	437	67.15	$48.00
[Dual CPU] AMD Opteron 8380	5643	387	13.70	$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	399	NA	NA
[Dual CPU] AMD Opteron 8389	6517	361	41.25	$158.00*
[Dual CPU] AMD Opteron 8431	5813	381	207.76	$27.98*
[Dual CPU] AMD Opteron 8435	6739	357	46.80	$144.00*
[Dual CPU] AMD Opteron 8439 SE	7691	331	64.09	$120.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	478	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	464	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	432	NA	NA
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	321	2.19	$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	499	NA	NA
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	497	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	539	494	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	540	493	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	500	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	501	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	498	NA	NA
[Dual CPU] Intel Xeon 2.40GHz	473	496	25.99	$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	491	NA	NA
[Dual CPU] Intel Xeon 2.80GHz	679	487	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	771	486	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	489	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	484	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	889	483	NA	NA

[Dual CPU] Intel Xeon 3.60GHz	927	482	0.54	$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1854	471	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	481	0.58	$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2137	468	30.53	$70.00*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2315	463	0.71	$3,239.98*
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2619	454	26.73	$97.98*
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	440	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2975	443	59.52	$49.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	441	114.20	$26.26*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3409	434	12.18	$279.90*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3826	430	38.27	$99.98
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8929	295	18.69	$477.70
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11012	246	15.45	$712.54*
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	372	64.96	$95.50
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	369	87.58	$71.98*
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	340	43.00	$169.84*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	288	49.14	$183.50
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11299	239	14.49	$780.04*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11910	231	143.25	$83.14
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	312	NA	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	13220	208	64.73	$204.24
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13763	192	67.90	$202.70
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	10818	250	167.57	$64.56*
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	12354	219	NA	NA
[Dual CPU] Intel Xeon E5-2440 @ 2.40GHz	12419	217	155.28	$79.98
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	210	12.60	$1,019.90*
[Dual CPU] Intel Xeon E5-2448L @ 1.80GHz	11334	238	NA	NA
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	14276	187	119.01	$119.96
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	15106	179	77.85	$194.04
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11696	233	44.98	$260.00*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	13442	202	52.51	$256.00*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	143	43.06	$431.28
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	368	66.25	$95.70*
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	360	54.34	$119.98*
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8369	308	62.24	$134.46
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8932	294	17.18	$520.00*
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8162	315	42.49	$192.08*
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	9017	289	94.92	$95.00*
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10029	271	47.29	$212.06*
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10993	247	15.28	$719.46*

[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12227	221	210.88	$57.98
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13225	207	163.51	$80.88
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15263	177	25.23	$604.96
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16453	162	22.54	$729.98
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14339	186	11.05	$1,298.00*
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	12620	213	11.49	$1,098.00*
[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	14589	184	NA	NA
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	13443	201	168.29	$79.88*
[Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz	15944	168	181.43	$87.88
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	18470	147	98.24	$188.00
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18725	142	16.75	$1,118.00
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	11172	243	NA	NA
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	13706	194	175.27	$78.20*
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	15183	178	22.33	$679.90*
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	7706	330	4.35	$1,770.00*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	15884	170	59.22	$268.22
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16395	163	51.07	$321.06
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	16703	161	7.82	$2,136.08
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14644	183	122.14	$119.90
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	14505	185	45.44	$319.20
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	19797	127	73.32	$270.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz	20530	121	11.15	$1,840.54*
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	13667	195	113.99	$119.90
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	20680	118	53.58	$385.98
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	21029	111	40.44	$519.98
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	21534	105	6.44	$3,342.50*
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	12399	218	NA	NA
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	13801	191	4.67	$2,958.00*
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	149	5.79	$3,121.72*
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	15036	180	172.83	$87.00
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	18872	140	107.73	$175.18
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20294	123	82.82	$245.04
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20809	115	7.16	$2,907.98
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	13621	198	86.21	$158.00*
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14004	189	51.55	$271.68*
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	112	6.99	$2,992.00*
[Dual CPU] Intel Xeon E5-2652 v3 @ 2.30GHz	19588	130	8.36	$2,342.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13855	190	4.74	$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	141	52.29	$359.98*
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	133	NA	NA
[Dual CPU] Intel Xeon E5-2658A v3 @ 2.20GHz	17786	152	4.85	$3,664.00*

[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16378	164	62.12	$263.64*
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17795	151	41.79	$425.78
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22374	98	34.96	$639.90
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23086	88	7.70	$2,999.98*
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23137	87	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	17053	157	83.29	$204.74*
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	73	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	16370	165	158.32	$103.40*
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22686	94	34.37	$660.00*
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	22604	95	31.40	$719.98
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	22916	90	5.88	$3,898.06*
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18161	148	62.62	$290.00
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20642	120	49.38	$418.00
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22298	99	71.93	$309.98
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	84	NA	NA
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	21751	104	15.54	$1,400.00*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	26537	62	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19762	128	NA	NA
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	20856	114	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	40	5.54	$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18571	144	124.94	$148.64
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21461	106	61.32	$350.00
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24220	79	65.46	$369.98
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	22761	92	7.54	$3,018.00*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	158	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21194	110	20.78	$1,019.98*
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	71	5.66	$4,417.86*
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	101	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26907	60	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 E5-2686 v4 @ 2.30GHz	28784	50	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20787	116	50.21	$414.00*
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23351	85	32.44	$719.80*
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24293	78	20.29	$1,197.38
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26649	61	6.13	$4,349.98*
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	19362	135	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	25703	68	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19635	129	73.82	$266.00
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23579	81	43.25	$545.16
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25801	67	56.09	$460.00
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27411	57	6.32	$4,339.98*

[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	20717	117	40.00	$517.98
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24793	74	25.30	$979.98*
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24651	77	2.12	$11,616.00*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23501	83	NA	NA
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30313	39	6.07	$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31774	33	5.28	$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23297	86	37.70	$618.00
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27386	58	26.90	$1,018.00
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30440	38	4.98	$6,109.98*
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	29460	44	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	28325	53	18.88	$1,499.88
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.10GHz	30833	37	4.78	$6,452.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	31	4.44	$7,259.18*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	80	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26341	64	10.73	$2,453.98
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34013	24	4.01	$8,478.00
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	20653	119	NA	NA
[Dual CPU] Intel Xeon E5-4617 @ 2.90GHz	15383	174	85.56	$179.80*
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	19491	132	19.15	$1,017.90*
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	15897	169	2.91	$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19209	137	35.31	$544.08*
[Dual CPU] Intel Xeon E5-4640 v3 @ 1.90GHz	20468	122	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	19583	131	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	18565	145	132.63	$139.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	14876	181	1.94	$7,676.00*
[Dual CPU] Intel Xeon E5-4650 v4 @ 2.20GHz	21855	103	2.85	$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	13742	193	57.26	$239.98*
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz	22461	96	2.34	$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	27457	56	2.54	$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz	12145	224	44.98	$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	15686	171	NA	NA
[Dual CPU] Intel Xeon E7-4830 @ 2.13GHz	9539	282	147.66	$64.60*
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	22412	97	1.81	$12,400.00*
[Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz	12016	228	1.42	$8,454.00*
[Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz	15263	176	40.38	$378.00*
[Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz	10965	248	27.41	$399.98*
[Dual CPU] Intel Xeon E7- 8870 @ 2.40GHz	10207	266	1.02	$10,017.02*
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	465	120.97	$18.84*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	429	22.74	$177.56*
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3554	431	36.27	$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4166	423	53.75	$77.50*

[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	406	NA	NA
[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4559	414	128.28	$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5120	402	64.02	$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5134	401	64.26	$79.90*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6008	377	14.38	$417.90*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6348	366	50.42	$125.90*
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6828	354	30.76	$221.98*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7119	345	35.95	$198.00*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7499	337	12.54	$597.88
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7090	347	129.85	$54.60*
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7774	325	129.39	$60.08*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2492	458	13.12	$190.00*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2805	449	4.89	$574.02*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4878	410	34.87	$139.90*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	4994	405	39.63	$126.02*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5410	393	5.92	$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7300	341	255.78	$28.54*
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7576	335	291.38	$26.00*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7753	327	65.70	$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	425	16.04	$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5505	391	16.48	$334.00
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5947	379	42.96	$138.42*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	7981	320	67.65	$117.98*
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8329	310	118.99	$70.00*
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8664	301	154.77	$55.98*
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10237	265	62.95	$162.62*
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10259	262	49.29	$208.14*
[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	392	87.81	$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	395	29.87	$179.98*
[Dual CPU] Intel Xeon E7540 @ 2.00GHz	6738	358	210.96	$31.94*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	22011	102	8.41	$2,618.10*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	21437	107	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	109	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22810	91	10.87	$2,098.72*
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25109	70	8.04	$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17463	154	6.82	$2,560.36
[Dual CPU] Intel Xeon Gold 5217 @ 3.00GHz	22282	100	7.32	$3,044.00*
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27355	59	10.14	$2,698.00*
[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz	22983	89	6.92	$3,319.90*
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz	19113	139	7.30	$2,618.80
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	28610	51	7.57	$3,779.94*

[Dual CPU] Intel Xeon Gold 6126T @ 2.60GHz	19161	138	5.14	$3,730.00*
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22725	93	6.46	$3,519.50*
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	26366	63	6.77	$3,895.56
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	55	6.26	$4,399.80
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	24666	76	5.74	$4,300.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29725	42	5.69	$5,227.18*
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	54	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	34125	23	6.32	$5,397.90*
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32589	30	6.68	$4,879.98*
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	48	4.72	$6,116.66*
[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz	29907	41	NA	NA
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28802	49	4.92	$5,850.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29655	43	3.22	$9,217.90*
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36731	17	6.28	$5,850.00*
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	32941	29	5.01	$6,569.90*
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33142	27	4.03	$8,217.90
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	37168	15	4.75	$7,818.00*
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	24959	72	5.62	$4,440.00*
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	33019	28	6.16	$5,356.98
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	31379	35	4.82	$6,509.68*
[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz	33741	25	5.13	$6,572.00*
[Dual CPU] Intel Xeon Gold 6248 @ 2.50GHz	38755	10	5.87	$6,599.98*
[Dual CPU] Intel Xeon Gold 6252 @ 2.10GHz	37405	13	4.68	$7,999.98*
[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	41159	6	5.72	$7,200.00
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	417	71.16	$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	421	30.62	$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	408	130.15	$37.58*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	388	NA	NA
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	374	30.58	$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6453	363	117.33	$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	376	19.22	$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	407	11.00	$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	352	NA	NA
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6961	351	271.49	$25.64*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7553	336	196.08	$38.52*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	6973	350	166.10	$41.98*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8693	299	62.18	$139.80*
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9607	279	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9669	277	58.00	$166.72*
[Dual CPU] Intel Xeon MP 2.50GHz	550	492	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	538	495	5.98	$90.00*

[Dual CPU] Intel Xeon MP 3.00GHz	624	488	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	473	NA	NA
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36271	19	NA	NA
[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	37838	12	2.46	$15,408.00*
[Dual CPU] Intel Xeon Platinum 8160T @ 2.10GHz	29251	45	2.96	$9,872.00*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	39259	9	3.33	$11,780.00*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	36410	18	NA	NA
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36068	20	NA	NA
[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	37312	14	1.86	$20,030.00*
[Dual CPU] Intel Xeon Platinum 8260 @ 2.40GHz	38202	11	4.06	$9,404.00*
[Dual CPU] Intel Xeon Platinum 8268 @ 2.90GHz	41119	7	3.65	$11,260.00*
[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	15972	167	15.66	$1,019.90*
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	16817	160	22.34	$752.82
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	13615	199	13.24	$1,027.98*
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	19256	136	16.48	$1,168.76
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	21435	108	10.84	$1,978.00
[Dual CPU] Intel Xeon Silver 4209T @ 2.20GHz	20002	126	19.96	$1,002.00*
[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	25402	69	20.15	$1,260.42
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10070	270	47.04	$214.06*
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10249	263	2.04	$5,017.90*
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	261	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	412	44.05	$108.00*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	413	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	409	17.46	$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5737	382	9.25	$619.90
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6196	373	39.72	$155.98
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7436	338	62.01	$119.92*
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7794	323	39.06	$199.56*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8136	316	21.52	$378.00*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7769	326	17.26	$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8170	314	40.85	$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8672	300	3.12	$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8758	297	14.36	$609.70*
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	8998	290	132.36	$67.98*
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9277	284	19.33	$479.90*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9642	278	241.90	$39.86*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11230	241	80.87	$138.86*
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11631	234	92.03	$126.38*
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10289	260	220.51	$46.66*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12082	225	137.45	$87.90

[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10320	259	114.69	$89.98*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12450	214	117.47	$105.98
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11161	244	65.65	$170.00*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13428	203	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13340	204	95.35	$139.90
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11736	232	104.19	$112.64*
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13651	196	56.88	$240.00
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	306	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	359	91.61	$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	298	6.15	$1,417.90*
[Dual CPU] Intel Xeon X7542 @ 2.67GHz	8972	291	13.22	$678.48*
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	272	18.07	$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11230	240	255.23	$44.00*
[Dual CPU] Quad-Core AMD Opteron 2352	4171	422	46.34	$90.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	404	11.46	$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	420	9.75	$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	419	33.66	$130.00
[Dual CPU] Quad-Core AMD Opteron 8378	5382	394	30.51	$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	353	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	385	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	378	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	311	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 6136	9767	274	22.20	$440.00*
[Quad CPU] AMD Opteron 6174	8594	304	33.05	$260.00
[Quad CPU] AMD Opteron 6272	12292	220	43.91	$279.96
[Quad CPU] AMD Opteron 6274	10488	254	40.34	$260.00
[Quad CPU] AMD Opteron 6276	15342	175	22.70	$676.00
[Quad CPU] AMD Opteron 6278	12055	226	24.12	$499.80
[Quad CPU] AMD Opteron 6282 SE	11044	245	4.31	$2,560.00
[Quad CPU] AMD Opteron 6376	13257	206	50.35	$263.32
[Quad CPU] AMD Opteron 6378	20859	113	5.14	$4,059.40
[Quad CPU] AMD Opteron 6380	12442	215	52.07	$238.96
[Quad CPU] AMD Opteron 8360 SE	6490	362	77.26	$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	375	NA	NA
[Quad CPU] AMD Opteron 8382	8553	305	10.74	$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	339	NA	NA
[Quad CPU] AMD Opteron 8431	8252	313	147.46	$55.96*
[Quad CPU] AMD Opteron 8435	7099	346	24.65	$288.00*
[Quad CPU] AMD Opteron 8439 SE	8943	293	37.26	$240.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	474	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	435	NA	NA

[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	159	46.92	$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	14669	182	27.32	$536.84*
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	13628	197	42.59	$319.96*
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	75	12.12	$2,035.80*
[Quad CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	20036	125	18.41	$1,088.16*
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	17127	156	61.18	$279.96*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26203	65	12.87	$2,035.80*
[Quad CPU] Intel Xeon E5-4650L @ 2.60GHz	18557	146	38.66	$479.96*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	36	2.14	$14,436.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	124	3.36	$6,008.00*
[Quad CPU] Intel Xeon E7-4830 @ 2.13GHz	13606	200	105.31	$129.20*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	166	NA	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34471	22	1.39	$24,800.00*
[Quad CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	28569	52	1.25	$22,916.00*
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	32	NA	NA
[Quad CPU] Intel Xeon E7-8895 v2 @ 2.80GHz	36830	16	NA	NA
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	15433	172	96.48	$159.96*
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz	17398	155	131.84	$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	15429	173	20.41	$756.00*
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	212	15.87	$799.96*
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	17965	150	0.90	$20,034.04*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	7021	349	20.65	$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	328	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	267	28.32	$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	280	40.56	$236.00*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	287	14.31	$631.80*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	66	5.10	$5,120.72
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	21	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	8	2.48	$16,435.80
[Quad CPU] Intel Xeon Gold 6248 @ 2.50GHz	41863	5	3.17	$13,199.96*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	275	NA	NA
[Quad CPU] Intel Xeon L7555 @ 1.87GHz	10406	257	NA	NA
[Quad CPU] Intel Xeon Platinum 8180 @ 2.50GHz	44139	4	1.10	$40,060.00*
[Quad CPU] Intel Xeon Platinum 8180M @ 2.50GHz	48904	2	NA	NA
[Quad CPU] Intel Xeon X7350 @ 2.93GHz	9542	281	66.28	$143.96*
[Quad CPU] Intel Xeon X7460 @ 2.66GHz	12029	227	4.24	$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	303	6.36	$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	235	10.45	$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	12824	211	145.73	$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	343	27.58	$260.00

* - Last price seen from our affiliates.

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