CPU Benchmarks

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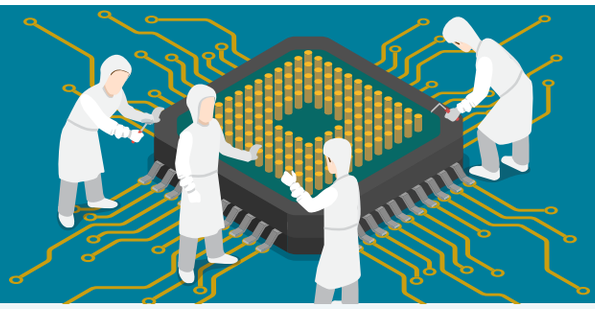

CPU List

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
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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	2827	NA	NA
AMD A4 Micro-6400T APU	1544	2017	NA	NA
AMD A4 PRO-3340B	2402	1621	NA	NA
AMD A4 PRO-7300B APU	2353	1642	NA	NA
AMD A4 PRO-7350B	2227	1695	NA	NA
AMD A4-1200 APU	632	2507	NA	NA
AMD A4-1250 APU	622	2514	NA	NA
AMD A4-3300 APU	1503	2042	115.75	$12.99
AMD A4-3300M APU	1186	2207	39.56	$29.99*
AMD A4-3305M APU	1227	2184	39.85	$30.81
AMD A4-3310MX APU	1286	2147	NA	NA
AMD A4-3320M APU	1253	2170	34.93	$35.90
AMD A4-3330MX APU	1218	2188	NA	NA
AMD A4-3400 APU	1593	2000	18.12	$87.95
AMD A4-3420 APU	1664	1960	NA	NA
AMD A4-4000 APU	1831	1875	14.27	$128.27*
AMD A4-4020 APU	1909	1832	23.00	$83.00
AMD A4-4300M APU	1613	1989	40.48	$39.86
AMD A4-4355M APU	1177	2210	NA	NA
AMD A4-5000 APU	1918	1826	NA	NA
AMD A4-5050 APU	2124	1735	NA	NA
AMD A4-5100 APU	2060	1762	NA	NA
AMD A4-5150M APU	1864	1856	NA	NA

AMD A4-5300 APU	2019	1779	18.31	$110.32*
AMD A4-5300B APU	2149	1722	56.56	$38.00*
AMD A4-6210 APU	2170	1713	NA	NA
AMD A4-6250J APU	2537	1573	NA	NA
AMD A4-6300 APU	2225	1696	48.87	$45.55*
AMD A4-6300B APU	2159	1720	21.59	$100.00*
AMD A4-6320 APU	2329	1645	33.29	$69.99*
AMD A4-7210 APU	2529	1574	NA	NA
AMD A4-7300 APU	2312	1654	20.65	$112.00
AMD A4-9120	1949	1811	NA	NA
AMD A4-9120C	1539	2020	NA	NA
AMD A4-9125	2016	1780	NA	NA
AMD A6 Micro-6500T APU	1834	1872	NA	NA
AMD A6 PRO-7050B APU	1616	1987	NA	NA
AMD A6 PRO-7400B	2621	1539	NA	NA
AMD A6-1450 APU	1539	2021	NA	NA
AMD A6-3400M APU	1888	1845	63.01	$29.97*
AMD A6-3410MX APU	2058	1765	515.98	$3.99*
AMD A6-3420M APU	2004	1784	NA	NA
AMD A6-3430MX APU	2200	1706	NA	NA
AMD A6-3500 APU	2029	1774	50.76	$39.99*
AMD A6-3600 APU	2707	1517	117.76	$22.99*
AMD A6-3620 APU	2793	1486	46.57	$59.99*
AMD A6-3650 APU	3141	1369	98.20	$31.99*
AMD A6-3670 APU	3164	1357	5.19	$610.00*
AMD A6-4400M APU	1643	1972	205.73	$7.99*
AMD A6-4455M APU	1286	2148	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	1610	NA	NA
AMD A6-5345M APU	1476	2053	NA	NA
AMD A6-5350M APU	1906	1834	44.20	$43.12
AMD A6-5357M APU	1953	1809	NA	NA
AMD A6-5400B APU	2250	1684	21.43	$105.04*
AMD A6-5400K APU	2160	1718	34.83	$62.02
AMD A6-6310 APU	2467	1600	NA	NA
AMD A6-6400B APU	2281	1668	NA	NA
AMD A6-6400K APU	2313	1652	28.46	$81.27*
AMD A6-6420B APU	2612	1542	NA	NA
AMD A6-6420K APU	2388	1629	15.92	$149.99*
AMD A6-7000	1667	1957	NA	NA
AMD A6-7310 APU	2673	1525	NA	NA

AMD A6-7400K APU	2783	1491	38.24	$72.79
AMD A6-7470K	2727	1510	20.52	$132.91
AMD A6-7480	3116	1378	70.86	$43.99*
AMD A6-8500P	2202	1705	NA	NA
AMD A6-8550	3032	1403	NA	NA
AMD A6-9200	1747	1908	NA	NA
AMD A6-9210	1764	1898	NA	NA
AMD A6-9220	2160	1717	NA	NA
AMD A6-9220C	1960	1802	NA	NA
AMD A6-9220e	1629	1981	NA	NA
AMD A6-9225	2130	1730	NA	NA
AMD A6-9230	2102	1743	NA	NA
AMD A6-9500	3054	1398	59.62	$51.23
AMD A6-9500E	2889	1459	39.85	$72.50*
AMD A8 PRO-7150B APU	2655	1529	NA	NA
AMD A8 PRO-7600B APU	4752	989	NA	NA
AMD A8-3500M APU	1980	1792	28.31	$69.95
AMD A8-3510MX APU	2414	1616	NA	NA
AMD A8-3520M APU	2168	1715	NA	NA
AMD A8-3530MX APU	2354	1640	NA	NA
AMD A8-3550MX APU	2610	1543	NA	NA
AMD A8-3800 APU	3011	1407	52.84	$56.99*
AMD A8-3820 APU	3106	1380	24.86	$124.99*
AMD A8-3850 APU	3458	1275	32.72	$105.68*
AMD A8-3870K APU	3537	1252	23.64	$149.67*
AMD A8-4500M APU	2666	1527	NA	NA
AMD A8-4555M APU	2123	1736	NA	NA
AMD A8-5500 APU	3998	1139	70.78	$56.50*
AMD A8-5500B APU	4045	1131	NA	NA
AMD A8-5545M APU	2584	1552	NA	NA
AMD A8-5550M APU	3003	1412	NA	NA
AMD A8-5557M APU	2956	1428	NA	NA
AMD A8-5600K APU	4341	1075	18.94	$229.30
AMD A8-6410 APU	2576	1556	NA	NA
AMD A8-6500 APU	4393	1065	46.26	$94.99*
AMD A8-6500B APU	4616	1015	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	1321	NA	NA
AMD A8-6600K APU	4592	1024	47.35	$96.99*
AMD A8-7050	1824	1877	NA	NA
AMD A8-7100 APU	2799	1485	NA	NA
AMD A8-7200P	3338	1307	NA	NA

AMD A8-7410 APU	2749	1503	NA	NA
AMD A8-7600 APU	5063	928	34.46	$146.94*
AMD A8-7650K	4932	956	48.45	$101.80*
AMD A8-7670K	5083	921	31.56	$161.10*
AMD A8-7680	5350	882	89.19	$59.99*
AMD A8-8600P	3248	1327	NA	NA
AMD A8-8650	5465	864	NA	NA
AMD A8-9600	4970	950	70.54	$70.46
AMD A9-9400	2306	1656	NA	NA
AMD A9-9410	2539	1571	NA	NA
AMD A9-9420	2337	1644	NA	NA
AMD A9-9420e	1792	1890	NA	NA
AMD A9-9425	2496	1589	NA	NA
AMD A9-9430	2540	1570	NA	NA
AMD A10 Micro-6700T APU	1970	1798	NA	NA
AMD A10 PRO-7350B APU	3152	1365	NA	NA
AMD A10 PRO-7800B APU	4997	944	NA	NA
AMD A10 PRO-7850B APU	5380	876	NA	NA
AMD A10-4600M APU	3115	1379	28.34	$109.95
AMD A10-4655M APU	2605	1545	NA	NA
AMD A10-4657M APU	2906	1447	NA	NA
AMD A10-5700 APU	4214	1102	65.35	$64.50*
AMD A10-5745M APU	2764	1498	NA	NA
AMD A10-5750M APU	3340	1306	NA	NA
AMD A10-5757M APU	3084	1387	NA	NA
AMD A10-5800B APU	4614	1016	NA	NA
AMD A10-5800K APU	4649	1006	31.00	$149.99*
AMD A10-6700 APU	4606	1020	39.38	$116.99*
AMD A10-6700T APU	3705	1214	25.10	$147.61*
AMD A10-6790K APU	4718	995	49.68	$94.99*
AMD A10-6800B APU	4822	976	NA	NA
AMD A10-6800K APU	4859	972	55.37	$87.76*
AMD A10-7300 APU	2904	1450	NA	NA
AMD A10-7400P	3606	1234	NA	NA
AMD A10-7700K APU	5117	916	40.79	$125.47*
AMD A10-7800 APU	4974	949	48.11	$103.39*
AMD A10-7850K APU	5468	862	32.68	$167.33*
AMD A10-7860K	5045	933	28.83	$175.00*
AMD A10-7870K	5476	860	24.13	$226.99*
AMD A10-7890K	5706	827	28.54	$199.99*
AMD A10-8700P	3441	1279	NA	NA

AMD A10-8750	5064	927	NA	NA
AMD A10-8850	5604	840	NA	NA
AMD A10-9600P	3766	1193	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	1219	NA	NA
AMD A10-9630P	4474	1048	NA	NA
AMD A10-9700	5379	877	64.60	$83.27
AMD A10-9700E	4747	992	33.92	$139.98
AMD A12-9700P	3712	1211	NA	NA
AMD A12-9720P	3990	1141	NA	NA
AMD A12-9730P	4417	1062	NA	NA
AMD A12-9800	5584	842	37.67	$148.24*
AMD A12-9800E	5087	920	38.72	$131.38
AMD Athlon64 X2 Dual Core 4600+	1108	2252	NA	NA
AMD Athlon 4	279	2847	4.00	$69.99
AMD Athlon 64 2000+	116	2981	NA	NA
AMD Athlon 64 2200+	575	2539	NA	NA
AMD Athlon 64 2600+	374	2721	NA	NA
AMD Athlon 64 2800+	438	2649	4.38	$99.99*
AMD Athlon 64 3000+	464	2619	7.73	$60.00
AMD Athlon 64 3200+	492	2589	3.29	$149.95*
AMD Athlon 64 3300+	576	2538	NA	NA
AMD Athlon 64 3400+	545	2549	NA	NA
AMD Athlon 64 3500+	541	2555	4.97	$108.95
AMD Athlon 64 3600+	601	2523	NA	NA
AMD Athlon 64 3700+	598	2524	8.67	$69.00*
AMD Athlon 64 3800+	589	2528	3.28	$179.95*
AMD Athlon 64 4000+	608	2518	3.32	$183.27*
AMD Athlon 64 FX-25	794	2434	NA	NA
AMD Athlon 64 FX-34	380	2714	NA	NA
AMD Athlon 64 FX-51	437	2651	NA	NA
AMD Athlon 64 FX-53	646	2499	21.57	$29.99*
AMD Athlon 64 FX-55	721	2464	4.01	$179.95*
AMD Athlon 64 FX-57	730	2460	NA	NA
AMD Athlon 64 FX-59	715	2467	NA	NA
AMD Athlon 64 FX-60 Dual Core	1282	2152	NA	NA
AMD Athlon 64 FX-62 Dual Core	1573	2006	NA	NA
AMD Athlon 64 FX-72	1794	1888	NA	NA
AMD Athlon 64 FX-74	1495	2046	2.99	$499.50*
AMD Athlon 64 X2 3800+	958	2347	NA	NA
AMD Athlon 64 X2 4200+	1285	2149	4.16	$308.95*
AMD Athlon 64 X2 Dual Core 3400+	994	2320	NA	NA

AMD Athlon 64 X2 Dual Core 3600+	962	2341	16.03	$60.00
AMD Athlon 64 X2 Dual Core 3800+	999	2314	NA	NA
AMD Athlon 64 X2 Dual Core 4000+	1045	2285	NA	NA
AMD Athlon 64 X2 Dual Core 4200+	1097	2255	5.36	$204.95
AMD Athlon 64 X2 Dual Core 4400+	1145	2234	19.09	$60.00
AMD Athlon 64 X2 Dual Core 4600+	1219	2187	3.39	$359.95
AMD Athlon 64 X2 Dual Core 4800+	1253	2171	2.73	$459.95*
AMD Athlon 64 X2 Dual Core 5000+	1313	2129	3.96	$331.49*
AMD Athlon 64 X2 Dual Core 5200+	1381	2093	23.03	$60.00
AMD Athlon 64 X2 Dual Core 5400+	1450	2064	27.37	$52.99*
AMD Athlon 64 X2 Dual Core 5600+	1485	2050	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	2032	60.68	$24.99*
AMD Athlon 64 X2 Dual Core 6000+	1603	1994	34.90	$45.95
AMD Athlon 64 X2 Dual Core 6400+	1784	1892	6.87	$259.95
AMD Athlon 64 X2 Dual Core BE-230	1095	2258	NA	NA
AMD Athlon 64 X2 Dual Core BE-2300	1082	2269	NA	NA
AMD Athlon 64 X2 Dual Core BE-2350	1044	2286	NA	NA
AMD Athlon 64 X2 Dual Core TK-53	839	2411	28.02	$29.97*
AMD Athlon 64 X2 Dual Core TK-55	839	2413	14.53	$57.74*
AMD Athlon 64 X2 Dual Core TK-57	971	2335	NA	NA
AMD Athlon 64 X2 Dual-Core TK-42	877	2391	NA	NA
AMD Athlon 64 X2 Dual-Core TK-53	820	2420	NA	NA
AMD Athlon 64 X2 Dual-Core TK-55	870	2394	11.97	$72.74*
AMD Athlon 64 X2 Dual-Core TK-57	924	2370	NA	NA
AMD Athlon 64 X2 QL-60	925	2368	NA	NA
AMD Athlon 64 X2 QL-62	1005	2309	NA	NA
AMD Athlon 64 X2 QL-64	990	2324	NA	NA
AMD Athlon 64 X2 QL-65	1050	2284	NA	NA
AMD Athlon 64 X2 QL-66	947	2356	NA	NA
AMD Athlon 64 X2 QL-67	1006	2308	NA	NA
AMD Athlon 64 X2 TK-55	955	2348	NA	NA
AMD Athlon 64 X2 TK-57	988	2325	NA	NA
AMD Athlon 200GE	4955	952	74.82	$66.23
AMD Athlon 220GE	5255	894	75.53	$69.58
AMD Athlon 240GE	5478	858	87.39	$62.69
AMD Athlon 300U	4634	1011	NA	NA
AMD Athlon 1500+	294	2819	NA	NA
AMD Athlon 1640B	670	2490	13.42	$50.00*
AMD Athlon 2000+	390	2710	NA	NA
AMD Athlon 2100+	412	2672	NA	NA

AMD Athlon 2200+	363	2739	4.55	$79.99*
AMD Athlon 2400+	462	2622	NA	NA
AMD Athlon 2500+	374	2719	2.04	$183.99*
AMD Athlon 2600+	444	2643	4.23	$104.95*
AMD Athlon 2650e	407	2679	21.47	$19.00*
AMD Athlon 2800+	447	2638	3.20	$139.95*
AMD Athlon 2850e	506	2581	NA	NA
AMD Athlon 3100+	485	2600	NA	NA
AMD Athlon 3200+	458	2626	7.63	$60.00*
AMD Athlon 5000 Dual-Core	1292	2142	10.78	$119.95
AMD Athlon 5150 APU	2107	1741	13.18	$159.95
AMD Athlon 5200 Dual-Core	1266	2165	42.23	$29.99*
AMD Athlon 5350 APU	2610	1544	22.17	$117.74
AMD Athlon 5370 APU	2915	1443	45.77	$63.70*
AMD Athlon 7450 Dual-Core	1449	2065	NA	NA
AMD Athlon 7550 Dual-Core	1472	2054	24.54	$60.00*
AMD Athlon 7750 Dual-Core	1570	2007	10.27	$152.99
AMD Athlon 7850 Dual-Core	1710	1928	8.16	$209.65*
AMD Athlon 7850 Dual-Core 2.8G	288	2830	NA	NA
AMD Athlon Dual Core 4050e	1086	2264	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	2219	37.69	$31.00*
AMD Athlon Dual Core 4450e	1108	2250	NA	NA
AMD Athlon Dual Core 4850B	1391	2087	NA	NA
AMD Athlon Dual Core 4850e	1314	2128	33.71	$39.00*
AMD Athlon Dual Core 5000B	1308	2132	13.77	$95.00*
AMD Athlon Dual Core 5050e	1345	2114	22.43	$60.00*
AMD Athlon Dual Core 5200B	1316	2127	NA	NA
AMD Athlon Dual Core 5400B	1420	2076	NA	NA
AMD Athlon Dual Core 5600B	1304	2135	NA	NA
AMD Athlon II 160u	563	2545	18.78	$29.99*
AMD Athlon II 170u	626	2511	20.92	$29.95*
AMD Athlon II Dual-Core M300	1112	2247	NA	NA
AMD Athlon II Dual-Core M320	1141	2236	38.05	$30.00*
AMD Athlon II Dual-Core M340	1056	2281	NA	NA
AMD Athlon II N330 Dual-Core	1154	2228	NA	NA
AMD Athlon II N350 Dual-Core	1249	2177	NA	NA
AMD Athlon II N370 Dual-Core	1559	2012	NA	NA
AMD Athlon II Neo K125	477	2608	NA	NA
AMD Athlon II Neo K145	525	2564	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2439	29.84	$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2402	NA	NA

AMD Athlon II Neo N36L Dual-Core	795	2433	NA	NA
AMD Athlon II P320 Dual-Core	1216	2189	40.62	$29.95*
AMD Athlon II P340 Dual-Core	1250	2175	27.82	$44.95*
AMD Athlon II P360 Dual-Core	1318	2126	54.93	$24.00*
AMD Athlon II X2 210e	1486	2048	NA	NA
AMD Athlon II X2 215	1566	2010	130.68	$11.99*
AMD Athlon II X2 220	1635	1978	50.79	$32.19
AMD Athlon II X2 225	1526	2025	NA	NA
AMD Athlon II X2 235e	1657	1967	9.11	$181.88*
AMD Athlon II X2 240	1643	1973	47.02	$34.95
AMD Athlon II X2 240e	1700	1938	48.64	$34.95*
AMD Athlon II X2 245	1662	1964	47.56	$34.95*
AMD Athlon II X2 245e	1709	1931	21.37	$80.00*
AMD Athlon II X2 250	1741	1910	44.70	$38.95
AMD Athlon II X2 250e	1939	1815	25.28	$76.73*
AMD Athlon II X2 250u	1004	2310	28.74	$34.95*
AMD Athlon II X2 255	1842	1867	28.24	$65.22*
AMD Athlon II X2 260	1877	1848	93.92	$19.99*
AMD Athlon II X2 260u	1107	2253	13.28	$83.44*
AMD Athlon II X2 265	1892	1840	22.84	$82.88*
AMD Athlon II X2 270	1975	1795	82.35	$23.99*
AMD Athlon II X2 270u	1285	2150	18.99	$67.67*
AMD Athlon II X2 280	2129	1731	21.30	$99.99*
AMD Athlon II X2 4300e	1483	2051	NA	NA
AMD Athlon II X2 4400e	1632	1980	NA	NA
AMD Athlon II X2 4450e	1504	2039	NA	NA
AMD Athlon II X2 B22	1715	1923	41.16	$41.69*
AMD Athlon II X2 B24	1781	1894	44.59	$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	1833	42.42	$44.95
AMD Athlon II X2 B28	2085	1750	42.52	$49.05*
AMD Athlon II X3 400e	2009	1783	18.70	$107.43*
AMD Athlon II X3 405e	2000	1787	25.00	$79.99*
AMD Athlon II X3 415e	2247	1685	29.97	$75.00*
AMD Athlon II X3 420e	2285	1665	19.68	$116.15*
AMD Athlon II X3 425	2314	1651	85.74	$26.99*
AMD Athlon II X3 425e	2239	1691	NA	NA
AMD Athlon II X3 435	2471	1598	82.41	$29.99*
AMD Athlon II X3 440	2567	1561	95.12	$26.99*
AMD Athlon II X3 445	2573	1559	28.28	$91.00*
AMD Athlon II X3 450	2621	1541	68.97	$38.01

AMD Athlon II X3 455	2765	1497	70.92	$38.99*
AMD Athlon II X3 460	2864	1465	73.46	$38.99*
AMD Athlon II X4 553	3814	1182	NA	NA
AMD Athlon II X4 555	3830	1177	NA	NA
AMD Athlon II X4 559	4125	1120	NA	NA
AMD Athlon II X4 600e	2465	1601	18.93	$130.23*
AMD Athlon II X4 605e	2716	1513	26.69	$101.80*
AMD Athlon II X4 610e	2793	1487	39.92	$69.99*
AMD Athlon II X4 615e	2899	1455	49.15	$59.00*
AMD Athlon II X4 620	2928	1440	48.86	$59.95
AMD Athlon II X4 620e	2906	1448	NA	NA
AMD Athlon II X4 630	3130	1371	49.73	$62.95
AMD Athlon II X4 631 Quad-Core	3145	1368	39.32	$80.00*
AMD Athlon II X4 635	3231	1333	46.20	$69.95
AMD Athlon II X4 638 Quad-Core	3198	1345	120.73	$26.49*
AMD Athlon II X4 640	3315	1311	41.46	$79.95
AMD Athlon II X4 641 Quad-Core	3343	1304	36.54	$91.50*
AMD Athlon II X4 645	3466	1274	43.35	$79.95
AMD Athlon II X4 650	3482	1269	20.90	$166.60*
AMD Athlon II X4 651 Quad-Core	3575	1244	20.08	$178.04*
AMD Athlon II X4 655	2998	1414	NA	NA
AMD Athlon II X4 6400e	2594	1548	NA	NA
AMD Athlon L110	303	2800	NA	NA
AMD Athlon LE-1600	557	2547	26.57	$21.00*
AMD Athlon LE-1620	578	2536	32.12	$18.00*
AMD Athlon LE-1640	626	2510	NA	NA
AMD Athlon LE-1660	679	2487	NA	NA
AMD Athlon MP	230	2901	18.46	$12.49
AMD Athlon MP 1700+	339	2761	NA	NA
AMD Athlon MP 2400+	436	2652	NA	NA
AMD Athlon MP 2800+	497	2587	NA	NA
AMD Athlon Neo MV-40	410	2675	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2313	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2438	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2415	NA	NA
AMD Athlon PRO 200GE	5163	908	NA	NA
AMD Athlon PRO 300GE	5560	848	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	2612	NA	NA
AMD Athlon TF-20	413	2671	NA	NA
AMD Athlon TF-36	395	2698	NA	NA
AMD Athlon X2 215	1543	2018	NA	NA

AMD Athlon X2 235e	1806	1883	NA	NA
AMD Athlon X2 240	1611	1990	NA	NA
AMD Athlon X2 240e	1670	1955	NA	NA
AMD Athlon X2 250	1696	1941	NA	NA
AMD Athlon X2 255	1627	1983	NA	NA
AMD Athlon X2 280	2303	1659	68.77	$33.49*
AMD Athlon X2 340 Dual Core	1932	1820	38.66	$49.99*
AMD Athlon X2 370K Dual Core	2251	1683	NA	NA
AMD Athlon X2 440	1424	2075	NA	NA
AMD Athlon X2 Dual Core 3250e	778	2437	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2316	NA	NA
AMD Athlon X2 Dual Core BE-2300	920	2374	NA	NA
AMD Athlon X2 Dual Core BE-2350	1109	2249	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2190	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	2173	NA	NA
AMD Athlon X2 Dual Core L310	645	2500	NA	NA
AMD Athlon X2 Dual Core LS-5800	1009	2306	NA	NA
AMD Athlon X3 425	2191	1709	NA	NA
AMD Athlon X3 435	2574	1558	26.96	$95.49*
AMD Athlon X3 440	2078	1752	23.62	$87.99*
AMD Athlon X3 445	2314	1650	NA	NA
AMD Athlon X3 455	2401	1622	NA	NA
AMD Athlon X4 605e	2505	1586	NA	NA
AMD Athlon X4 620	2861	1466	47.74	$59.95
AMD Athlon X4 635	2891	1458	23.71	$121.99*
AMD Athlon X4 640	3172	1353	NA	NA
AMD Athlon X4 740 Quad Core	4031	1135	14.55	$277.00*
AMD Athlon X4 750 Quad Core	4551	1030	NA	NA
AMD Athlon X4 750K Quad Core	4273	1089	55.50	$76.99*
AMD Athlon X4 760K Quad Core	4596	1022	109.49	$41.98*
AMD Athlon X4 830	4701	997	NA	NA
AMD Athlon X4 840	5071	924	64.40	$78.74*
AMD Athlon X4 845	5408	869	101.80	$53.13*
AMD Athlon X4 860K	5410	868	40.09	$134.95*
AMD Athlon X4 870K	5320	890	66.52	$79.99*
AMD Athlon X4 880K	5574	845	55.75	$99.99*
AMD Athlon X4 950	5231	898	52.34	$99.95
AMD Athlon XP1600+	281	2843	NA	NA
AMD Athlon XP1900+	353	2748	NA	NA
AMD Athlon XP2100+	287	2832	NA	NA
AMD Athlon XP2200+	401	2690	NA	NA

AMD Athlon XP2400+	374	2720	NA	NA
AMD Athlon XP 1500	282	2842	NA	NA
AMD Athlon XP 1500+	257	2872	NA	NA
AMD Athlon XP 1600+	267	2862	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	2758	NA	NA
AMD Athlon XP 1700+	271	2857	4.43	$61.25*
AMD Athlon XP 1800+	300	2807	5.10	$58.95*
AMD Athlon XP 1900+	312	2791	NA	NA
AMD Athlon XP 2000+	300	2808	12.01	$24.99*
AMD Athlon XP 2100+	323	2775	NA	NA
AMD Athlon XP 2200+	328	2774	3.87	$84.95*
AMD Athlon XP 2300+	464	2618	NA	NA
AMD Athlon XP 2400+	360	2741	4.01	$89.99*
AMD Athlon XP 2500+	355	2745	NA	NA
AMD Athlon XP 2600+	372	2725	16.18	$23.03*
AMD Athlon XP 2700+	393	2701	4.64	$84.79*
AMD Athlon XP 2800+	400	2692	NA	NA
AMD Athlon XP 2900+	424	2665	NA	NA
AMD Athlon XP 3000+	402	2688	5.06	$79.70*
AMD Athlon XP 3100+	433	2656	NA	NA
AMD Athlon XP 3200+	432	2657	NA	NA
AMD Athlon XP 3400+	570	2542	NA	NA
AMD Athlon XP Pro3+	367	2732	NA	NA
AMD Athlon XP-M	541	2556	15.48	$34.95*
AMD C-30	310	2793	NA	NA
AMD C-50	462	2621	NA	NA
AMD C-60	466	2615	NA	NA
AMD C-60 APU	545	2550	NA	NA
AMD C-70 APU	558	2546	NA	NA
AMD E1 Micro-6200T APU	960	2345	NA	NA
AMD E1-1200 APU	654	2497	NA	NA
AMD E1-1500 APU	689	2482	NA	NA
AMD E1-2100 APU	642	2505	NA	NA
AMD E1-2200 APU	767	2441	NA	NA
AMD E1-2500 APU	896	2388	NA	NA
AMD E1-6010 APU	868	2395	NA	NA
AMD E1-6015 APU	900	2384	NA	NA
AMD E1-7010 APU	1018	2301	NA	NA
AMD E2-1800 APU	814	2421	NA	NA
AMD E2-2000 APU	825	2417	NA	NA
AMD E2-3000 APU	1140	2237	NA	NA

AMD E2-3000M APU	1092	2260	54.62	$20.00*
AMD E2-3200 APU	1380	2094	172.79	$7.99*
AMD E2-3800 APU	1645	1971	NA	NA
AMD E2-6110 APU	1917	1829	NA	NA
AMD E2-7110 APU	2290	1661	NA	NA
AMD E2-9000	1650	1970	NA	NA
AMD E2-9000e	1324	2124	NA	NA
AMD E2-9010	1629	1982	NA	NA
AMD E2-9030	1515	2034	NA	NA
AMD E-240	319	2781	NA	NA
AMD E-300 APU	609	2517	NA	NA
AMD E-350	745	2455	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	2447	NA	NA
AMD E-350D APU	726	2462	NA	NA
AMD E-450 APU	765	2442	NA	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1764	1899	NA	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1747	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2508	1584	NA	NA
AMD Embedded R-Series RX-216GD	2409	1619	NA	NA
AMD Embedded R-Series RX-418GD Radeon R6	5068	925	NA	NA
AMD Embedded R-Series RX-421BD	4635	1010	NA	NA
AMD EPYC 3201	9634	422	NA	NA
AMD EPYC 3251	11690	291	37.11	$315.00*
AMD EPYC 7251	11811	286	27.98	$422.18
AMD EPYC 7301	14978	184	29.68	$504.72
AMD EPYC 7351	18081	113	14.16	$1,276.83
AMD EPYC 7351P	14887	186	15.71	$947.33
AMD EPYC 7371	22071	53	14.24	$1,550.00*
AMD EPYC 7401P	20221	78	27.43	$737.33
AMD EPYC 7402P	30112	9	21.10	$1,426.82
AMD EPYC 7451	15767	167	15.24	$1,034.67
AMD EPYC 7501	18942	101	9.19	$2,060.86
AMD EPYC 7502P	23465	44	10.20	$2,300.00*
AMD EPYC 7551	18483	105	13.02	$1,419.90
AMD EPYC 7551P	18443	107	8.95	$2,060.00
AMD EPYC 7571	20858	71	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	1035	NA	NA
AMD FX-670K Quad-Core	4550	1032	NA	NA

AMD FX-770K Quad-Core	4811	979	NA	NA
AMD FX-870K Quad Core	5021	939	NA	NA
AMD FX-4100 Quad-Core	4076	1127	26.57	$153.45*
AMD FX-4130 Quad-Core	4162	1112	54.78	$75.99*
AMD FX-4150 Quad-Core	4594	1023	NA	NA
AMD FX-4170 Quad-Core	4869	967	48.70	$99.99*
AMD FX-4200 Quad-Core	4270	1091	18.71	$228.21*
AMD FX-4300 Quad-Core	4695	999	29.91	$156.97
AMD FX-4320	5011	943	NA	NA
AMD FX-4330	5328	887	NA	NA
AMD FX-4350 Quad-Core	5340	883	12.42	$430.00
AMD FX-6100 Six-Core	5405	871	20.95	$258.00*
AMD FX-6120 Six-Core	5754	823	NA	NA
AMD FX-6130 Six-Core	6215	767	NA	NA
AMD FX-6200 Six-Core	6107	780	17.97	$339.95
AMD FX-6300 Six-Core	6408	751	50.07	$127.98
AMD FX-6330 Six-Core	6954	695	NA	NA
AMD FX-6350 Six-Core	7022	687	48.44	$144.99
AMD FX-7500 APU	3203	1341	NA	NA
AMD FX-7600P	4050	1130	NA	NA
AMD FX-7600P APU	4627	1013	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD FX-8100 Eight-Core	5884	803	41.44	$142.00*
AMD FX-8120 Eight-Core	6641	730	29.82	$222.73*
AMD FX-8140 Eight-Core	6133	776	NA	NA
AMD FX-8150 Eight-Core	7655	629	64.36	$118.95
AMD FX-8300 Eight-Core	7772	619	64.77	$119.99*
AMD FX-8310 Eight-Core	7738	622	NA	NA
AMD FX-8320 Eight-Core	8038	582	58.24	$138.01
AMD FX-8320E Eight-Core	7578	638	31.68	$239.24
AMD FX-8350 Eight-Core	8957	491	45.24	$198.00
AMD FX-8370 Eight-Core	9047	480	45.24	$199.99
AMD FX-8370E Eight-Core	7869	604	24.58	$320.09
AMD FX-8800P	4202	1104	NA	NA
AMD FX-9370 Eight-Core	9460	437	17.05	$555.00
AMD FX-9590 Eight-Core	10192	365	22.16	$459.95
AMD FX-9800P	3956	1148	NA	NA
AMD FX-9830P	4783	984	NA	NA
AMD FX-B4150 Quad-Core	4611	1017	NA	NA
AMD G-T40E	467	2614	NA	NA
AMD G-T40N	516	2573	NA	NA
AMD G-T40R	203	2927	NA	NA

AMD G-T44R	229	2902	NA	NA
AMD G-T48E	667	2492	NA	NA
AMD G-T52R	308	2795	NA	NA
AMD G-T56E	751	2450	NA	NA
AMD G-T56N	796	2432	NA	NA
AMD Geode NX	264	2865	NA	NA
AMD Geode NX 1750	291	2821	NA	NA
AMD GX-210JA SOC	401	2691	NA	NA
AMD GX-212JC SOC	744	2456	NA	NA
AMD GX-217GA SOC	1107	2254	NA	NA
AMD GX-218GL SOC	1207	2194	NA	NA
AMD GX-222GC SOC	1255	2169	NA	NA
AMD GX-412HC	1497	2044	NA	NA
AMD GX-415GA SOC	1956	1804	NA	NA
AMD GX-420CA SOC	2412	1618	NA	NA
AMD GX-424CC SOC	2491	1592	NA	NA
AMD K7	403	2685	NA	NA
AMD Opteron 140	396	2696	0.62	$640.00
AMD Opteron 142	428	2661	NA	NA
AMD Opteron 144	486	2596	7.48	$65.00*
AMD Opteron 146	532	2559	8.87	$59.99*
AMD Opteron 148	603	2522	NA	NA
AMD Opteron 150	604	2520	NA	NA
AMD Opteron 152	658	2494	NA	NA
AMD Opteron 154	703	2475	NA	NA
AMD Opteron 165	899	2386	1.63	$550.00
AMD Opteron 170	1097	2256	NA	NA
AMD Opteron 175	1167	2221	NA	NA
AMD Opteron 180	1236	2180	9.51	$129.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Opteron 185	1342	2115	NA	NA
AMD Opteron 246	632	2508	31.62	$19.99*
AMD Opteron 248	476	2609	4.77	$99.95
AMD Opteron 250	649	2498	59.01	$11.00*
AMD Opteron 252	760	2446	12.00	$63.36*
AMD Opteron 254	693	2479	NA	NA
AMD Opteron 256	963	2339	50.72	$19.00*
AMD Opteron 265	963	2340	13.20	$73.00
AMD Opteron 270	1170	2217	1.93	$607.47*
AMD Opteron 275	1291	2144	15.74	$82.05*
AMD Opteron 280	1176	2211	18.10	$65.00

AMD Opteron 285	1470	2056	18.39	$79.95
AMD Opteron 290	1464	2058	10.85	$135.00*
AMD Opteron 1210	923	2371	14.21	$65.00
AMD Opteron 1210 HE	971	2334	NA	NA
AMD Opteron 1212	1009	2307	3.48	$290.00*
AMD Opteron 1212 HE	1308	2133	NA	NA
AMD Opteron 1214	1191	2203	4.11	$290.00*
AMD Opteron 1214 HE	1299	2137	NA	NA
AMD Opteron 1216	1311	2131	23.91	$54.85*
AMD Opteron 1216 HE	1172	2216	NA	NA
AMD Opteron 1218	1468	2057	NA	NA
AMD Opteron 1218 HE	1444	2066	NA	NA
AMD Opteron 1220	1661	1965	NA	NA
AMD Opteron 1222	1757	1903	NA	NA
AMD Opteron 1352	2316	1649	17.04	$135.99*
AMD Opteron 1354	2630	1538	19.49	$135.00*
AMD Opteron 1356	2765	1496	30.73	$89.99*
AMD Opteron 1381	3065	1395	NA	NA
AMD Opteron 2212	1270	2163	63.53	$20.00*
AMD Opteron 2214	1358	2109	46.85	$29.00*
AMD Opteron 2214 HE	1415	2078	NA	NA
AMD Opteron 2216	1518	2031	58.84	$25.80
AMD Opteron 2218	1594	1999	19.94	$79.95
AMD Opteron 2220	1701	1936	21.29	$79.95
AMD Opteron 2220 SE	1398	2083	55.92	$25.00*
AMD Opteron 2222	1843	1866	1.11	$1,664.98*
AMD Opteron 2224 SE	1919	1825	NA	NA
AMD Opteron 2350	2820	1478	35.28	$79.95*
AMD Opteron 2354	2450	1606	7.38	$332.03*
AMD Opteron 2356	2814	1479	54.12	$52.00*
AMD Opteron 2373 EE	2789	1490	NA	NA
AMD Opteron 2374 HE	2951	1429	45.40	$65.00
AMD Opteron 2376	2283	1666	13.69	$166.81*
AMD Opteron 2378	3179	1351	17.76	$179.00*
AMD Opteron 2380	2640	1535	58.69	$45.00
AMD Opteron 2384	3538	1250	4.21	$840.00*
AMD Opteron 2386 SE	3538	1251	NA	NA
AMD Opteron 2393 SE	2246	1687	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Opteron 2427	3069	1393	38.39	$79.95
AMD Opteron 2431	4516	1038	112.91	$40.00*
AMD Opteron 2435	4708	996	72.44	$65.00

AMD Opteron 3250 HE	2942	1433	29.73	$99.00*
AMD Opteron 3260 HE	3259	1324	NA	NA
AMD Opteron 3280	5403	872	19.78	$273.18*
AMD Opteron 3320 EE	2675	1524	NA	NA
AMD Opteron 3350 HE	4186	1107	NA	NA
AMD Opteron 3365	6088	788	NA	NA
AMD Opteron 3380	6384	753	7.89	$809.00*
AMD Opteron 4122	2942	1434	23.55	$124.99*
AMD Opteron 4162 EE	3166	1356	NA	NA
AMD Opteron 4170 HE	3664	1225	62.11	$59.00*
AMD Opteron 4184	4418	1061	8.50	$519.95*
AMD Opteron 4280	6430	748	128.60	$50.00*
AMD Opteron 4284	6660	727	111.03	$59.99*
AMD Opteron 4332 HE	5614	839	NA	NA
AMD Opteron 4334	6099	784	28.18	$216.42*
AMD Opteron 4365 EE	5025	937	NA	NA
AMD Opteron 4386	6761	713	48.30	$139.99*
AMD Opteron 6128	4505	1041	237.24	$18.99
AMD Opteron 6134	2938	1435	66.81	$43.99*
AMD Opteron 6136	4631	1012	42.10	$110.00*
AMD Opteron 6164 HE	5351	881	NA	NA
AMD Opteron 6172	5261	893	26.57	$198.00*
AMD Opteron 6174	6171	771	94.94	$65.00
AMD Opteron 6176 SE	5465	865	34.37	$159.00*
AMD Opteron 6212	5776	816	192.62	$29.99*
AMD Opteron 6220	6785	710	113.11	$59.99*
AMD Opteron 6234	5938	798	198.27	$29.95*
AMD Opteron 6238	7673	628	21.32	$359.89*
AMD Opteron 6272	6748	716	96.42	$69.99
AMD Opteron 6274	4865	969	108.15	$44.99
AMD Opteron 6276	8889	502	52.60	$169.00
AMD Opteron 6282 SE	9116	470	14.24	$640.00
AMD Opteron 6287 SE	9789	406	NA	NA
AMD Opteron 6328	7813	612	21.76	$359.00
AMD Opteron 6344	9372	445	24.09	$389.00*
AMD Opteron 6366 HE	7503	642	250.19	$29.99*
AMD Opteron 6376	9212	463	141.72	$65.00
AMD Opteron 6378	9094	471	47.87	$190.00
AMD Opteron 6380	10081	374	170.88	$59.00
AMD Opteron 6386 SE	10912	319	75.26	$144.99
AMD Opteron 8354	2255	1682	93.98	$24.00

AMD Opteron 8439 SE	3813	1183	63.56	$60.00*
AMD Opteron X2170 APU	3059	1396	NA	NA
AMD Opteron X3216 APU	2292	1660	NA	NA
AMD Opteron X3418 APU	4659	1004	NA	NA
AMD Opteron X3421 APU	4886	964	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Phenom 2 X4 12000	3005	1411	NA	NA
AMD Phenom 7950 Quad-Core	2991	1416	NA	NA
AMD Phenom 8250 Triple-Core	1668	1956	NA	NA
AMD Phenom 8250e Triple-Core	1635	1976	34.81	$46.99*
AMD Phenom 8400 Triple-Core	1632	1979	NA	NA
AMD Phenom 8450 Triple-Core	1888	1844	63.07	$29.95*
AMD Phenom 8450e Triple-Core	2026	1776	NA	NA
AMD Phenom 8600 Triple-Core	1673	1952	31.57	$52.99*
AMD Phenom 8600B Triple-Core	1924	1824	36.33	$52.99*
AMD Phenom 8650 Triple-Core	1986	1790	39.73	$49.99*
AMD Phenom 8750 Triple-Core	2058	1766	NA	NA
AMD Phenom 8750B Triple-Core	2034	1771	NA	NA
AMD Phenom 8850 Triple-Core	1968	1800	NA	NA
AMD Phenom 8850B Triple-Core	2080	1751	NA	NA
AMD Phenom 9100e Quad-Core	1833	1873	45.89	$39.95*
AMD Phenom 9150e Quad-Core	2114	1738	52.92	$39.95*
AMD Phenom 9350e Quad-Core	2320	1646	0.69	$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1546	24.76	$105.00*
AMD Phenom 9500 Quad-Core	2203	1704	76.01	$28.99*
AMD Phenom 9550 Quad-Core	2544	1569	87.77	$28.99*
AMD Phenom 9600 Quad-Core	2303	1658	46.11	$49.95*
AMD Phenom 9600B Quad-Core	2575	1557	17.50	$147.19*
AMD Phenom 9650 Quad-Core	2635	1536	58.64	$44.95*
AMD Phenom 9750 Quad-Core	2811	1482	95.33	$29.49*
AMD Phenom 9750B Quad-Core	2709	1516	NA	NA
AMD Phenom 9850 Quad-Core	2887	1460	24.07	$119.99*
AMD Phenom 9850B Quad-Core	3160	1361	NA	NA
AMD Phenom 9950 Quad-Core	3009	1408	22.29	$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1578	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1431	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1230	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1267	NA	NA
AMD Phenom II N620 Dual-Core	1686	1945	422.70	$3.99*
AMD Phenom II N640 Dual-Core	1721	1919	26.51	$64.95*
AMD Phenom II N660 Dual-Core	1844	1864	18.64	$99.00*
AMD Phenom II N830 3+1	2652	1531	NA	NA

AMD Phenom II N830 Triple-Core	1890	1843	NA	NA
AMD Phenom II N850 Triple-Core	1934	1817	77.36	$25.00*
AMD Phenom II N870 Triple-Core	2000	1786	NA	NA
AMD Phenom II N930 Quad-Core	2274	1670	17.50	$129.95*
AMD Phenom II N950 Quad-Core	2483	1596	22.06	$112.60*
AMD Phenom II N970 Quad-Core	2515	1580	16.77	$149.99*
AMD Phenom II P650 Dual-Core	1579	2003	45.12	$35.00*
AMD Phenom II P820 Triple-Core	1602	1995	NA	NA
AMD Phenom II P840 Triple-Core	1713	1926	NA	NA
AMD Phenom II P860 Triple-Core	1756	1904	NA	NA
AMD Phenom II P920 Quad-Core	1872	1852	24.96	$75.00*
AMD Phenom II P940 Quad-Core	1831	1874	NA	NA
AMD Phenom II P960 Quad-Core	2086	1748	74.51	$28.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X2 511	2104	1742	NA	NA
AMD Phenom II X2 521	2071	1755	NA	NA
AMD Phenom II X2 545	1918	1827	43.62	$43.98*
AMD Phenom II X2 550	2023	1777	40.48	$49.99*
AMD Phenom II X2 555	2042	1768	73.01	$27.98*
AMD Phenom II X2 560	2062	1761	31.73	$64.99*
AMD Phenom II X2 565	2225	1697	10.60	$209.95*
AMD Phenom II X2 570	2068	1758	NA	NA
AMD Phenom II X2 B53	1709	1930	NA	NA
AMD Phenom II X2 B55	1926	1823	40.17	$47.95
AMD Phenom II X2 B57	1823	1878	NA	NA
AMD Phenom II X2 B59	2124	1734	48.25	$44.04*
AMD Phenom II X3 700e	2242	1689	NA	NA
AMD Phenom II X3 705e	2227	1694	14.63	$152.34*
AMD Phenom II X3 710	2448	1607	28.97	$84.53*
AMD Phenom II X3 715	2649	1533	31.17	$84.99*
AMD Phenom II X3 720	2666	1526	38.10	$69.99*
AMD Phenom II X3 740	2985	1417	33.55	$88.99*
AMD Phenom II X3 B73	2735	1509	36.47	$75.00*
AMD Phenom II X3 B75	2897	1456	72.45	$39.99*
AMD Phenom II X3 B77	3067	1394	137.64	$22.29*
AMD Phenom II X4 805	2998	1413	17.23	$173.99*
AMD Phenom II X4 810	3120	1375	26.90	$115.99*
AMD Phenom II X4 820	3393	1289	45.28	$74.95*
AMD Phenom II X4 830	3434	1280	42.95	$79.95*
AMD Phenom II X4 840	3508	1263	39.01	$89.95*
AMD Phenom II X4 840T	3596	1236	51.39	$69.99*

AMD Phenom II X4 850	3547	1246	54.59	$64.99*
AMD Phenom II X4 900e	2882	1463	NA	NA
AMD Phenom II X4 905e	3080	1389	57.06	$53.99*
AMD Phenom II X4 910	3247	1328	32.48	$100.00*
AMD Phenom II X4 910e	3254	1326	20.73	$156.99*
AMD Phenom II X4 920	3389	1290	42.38	$79.99*
AMD Phenom II X4 925	3411	1283	77.56	$43.99*
AMD Phenom II X4 940	3589	1241	60.49	$59.34*
AMD Phenom II X4 945	3652	1227	56.23	$64.95*
AMD Phenom II X4 955	3916	1164	30.09	$130.16*
AMD Phenom II X4 960T	3772	1190	8.04	$469.00
AMD Phenom II X4 965	4177	1110	49.73	$84.01*
AMD Phenom II X4 970	4314	1085	29.13	$148.11*
AMD Phenom II X4 973	3759	1197	NA	NA
AMD Phenom II X4 975	4450	1054	31.86	$139.69*
AMD Phenom II X4 977	3750	1201	NA	NA
AMD Phenom II X4 980	4488	1046	19.52	$229.99*
AMD Phenom II X4 8700e	2377	1632	NA	NA
AMD Phenom II X4 B05e	2792	1488	NA	NA
AMD Phenom II X4 B15e	2736	1508	NA	NA
AMD Phenom II X4 B25	3297	1316	NA	NA
AMD Phenom II X4 B35	3387	1292	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 B40	3352	1299	NA	NA
AMD Phenom II X4 B45	3470	1273	NA	NA
AMD Phenom II X4 B50	3696	1215	NA	NA
AMD Phenom II X4 B55	3853	1171	NA	NA
AMD Phenom II X4 B60	4032	1134	NA	NA
AMD Phenom II X4 B65	4172	1111	NA	NA
AMD Phenom II X4 B70	4261	1093	NA	NA
AMD Phenom II X4 B93	3345	1301	NA	NA
AMD Phenom II X4 B95	3676	1220	50.40	$72.95*
AMD Phenom II X4 B97	3868	1167	67.87	$56.99*
AMD Phenom II X4 B99	4126	1119	NA	NA
AMD Phenom II X6 1035T	4664	1003	24.68	$189.00*
AMD Phenom II X6 1045T	4795	983	44.39	$108.01*
AMD Phenom II X6 1055T	4965	951	45.53	$109.05*
AMD Phenom II X6 1065T	5028	936	NA	NA
AMD Phenom II X6 1075T	5325	888	47.13	$112.99*
AMD Phenom II X6 1090T	5559	849	36.09	$154.04*
AMD Phenom II X6 1100T	5706	828	32.15	$177.49*
AMD Phenom II X6 1405T	5042	934	NA	NA

AMD Phenom II X620 Dual-Core	2189	1710	NA	NA
AMD Phenom II X640 Dual-Core	2021	1778	NA	NA
AMD Phenom II X920 Quad-Core	2650	1532	NA	NA
AMD Phenom II X940 Quad-Core	2695	1518	NA	NA
AMD Phenom Ultra X4 24500	3945	1154	NA	NA
AMD Phenom X2 Dual-Core GE-4060	1697	1939	NA	NA
AMD Phenom X2 Dual-Core GE-5560	2206	1703	NA	NA
AMD Phenom X2 Dual-Core GE-7060	1752	1906	NA	NA
AMD Phenom X2 Dual-Core GP-5000	1180	2209	NA	NA
AMD Phenom X2 Dual-Core GP-7730	1435	2068	NA	NA
AMD Phenom X3 8550	1931	1821	11.36	$169.95*
AMD Phenom X4 Quad-Core GP-9500	1757	1901	NA	NA
AMD Phenom X4 Quad-Core GP-9530	1994	1788	NA	NA
AMD Phenom X4 Quad-Core GP-9600	2235	1692	NA	NA
AMD Phenom X4 Quad-Core GP-9730	2897	1457	NA	NA
AMD Phenom X4 Quad-Core GP-9830	2715	1515	NA	NA
AMD Phenom X4 Quad-Core GP-9930	2690	1520	NA	NA
AMD Phenom X4 Quad-Core GS-5560	1211	2191	NA	NA
AMD PRO A4-3350B APU	2274	1671	NA	NA
AMD PRO A4-4350B	1502	2043	NA	NA
AMD PRO A4-8350B	2776	1493	NA	NA
AMD PRO A6-7350B	2759	1500	NA	NA
AMD PRO A6-8500B	2516	1579	NA	NA
AMD PRO A6-8530B	2388	1628	NA	NA
AMD PRO A6-8550B	2970	1424	NA	NA
AMD PRO A6-8570	3088	1386	NA	NA
AMD PRO A6-8570E	2824	1476	NA	NA
AMD PRO A6-9500	2950	1430	39.88	$74.00*
AMD PRO A6-9500B	2076	1753	NA	NA
AMD PRO A6-9500E	2717	1512	36.73	$74.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD PRO A8-8600B	3518	1261	NA	NA
AMD PRO A8-8650B	5223	899	NA	NA
AMD PRO A8-8670E	5015	941	NA	NA
AMD PRO A8-9600	5277	891	44.35	$119.00*
AMD PRO A8-9600B	3964	1146	NA	NA
AMD PRO A10-8700B	3530	1253	NA	NA
AMD PRO A10-8730B	3953	1150	NA	NA
AMD PRO A10-8750B	5473	861	NA	NA
AMD PRO A10-8770	5707	826	NA	NA
AMD PRO A10-8770E	5035	935	NA	NA

AMD PRO A10-8850B	5852	807	NA	NA
AMD PRO A10-9700	5599	841	33.13	$169.00*
AMD PRO A10-9700B	4380	1068	NA	NA
AMD PRO A10-9700E	5066	926	36.45	$139.00*
AMD PRO A12-8800B	4111	1121	NA	NA
AMD PRO A12-8830B	4259	1094	NA	NA
AMD PRO A12-8870	6067	789	NA	NA
AMD PRO A12-8870E	5186	906	NA	NA
AMD PRO A12-9800	6132	777	36.29	$169.00*
AMD PRO A12-9800B	4095	1124	NA	NA
AMD PRO A12-9800E	4769	987	28.22	$169.00*
AMD QC-4000	1663	1963	NA	NA
AMD R-260H APU	1576	2005	NA	NA
AMD R-460L APU	1954	1807	NA	NA
AMD R-464L APU	3117	1377	NA	NA
AMD RX-427BB	4364	1071	NA	NA
AMD Ryzen 3 1200	6796	709	99.92	$68.02
AMD Ryzen 3 1300X	7565	639	58.81	$128.65
AMD Ryzen 3 2200G	7333	660	86.28	$84.99
AMD Ryzen 3 2200GE	6976	691	NA	NA
AMD Ryzen 3 2200U	4585	1025	NA	NA
AMD Ryzen 3 2300U	6118	778	NA	NA
AMD Ryzen 3 2300X	8335	557	NA	NA
AMD Ryzen 3 3200G	7909	598	90.92	$87.00
AMD Ryzen 3 3200U	4675	1001	NA	NA
AMD Ryzen 3 3300U	6143	775	NA	NA
AMD Ryzen 3 PRO 1200	7075	683	NA	NA
AMD Ryzen 3 PRO 1300	7994	589	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	917	NA	NA
AMD Ryzen 3 PRO 2200G	8040	581	NA	NA
AMD Ryzen 3 PRO 2200GE	7458	647	NA	NA
AMD Ryzen 3 PRO 2300U	7063	685	NA	NA
AMD Ryzen 3 PRO 3200G	8528	536	NA	NA
AMD Ryzen 3 PRO 3200GE	8250	561	NA	NA
AMD Ryzen 3 PRO 3300U	6941	698	NA	NA
AMD Ryzen 5 1400	8368	550	62.68	$133.51
AMD Ryzen 5 1500X	10109	372	73.42	$137.70
AMD Ryzen 5 1600	12287	273	129.34	$95.00
AMD Ryzen 5 1600X	13204	241	95.16	$138.75
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Ryzen 5 2400G	9323	450	78.35	$119.00
AMD Ryzen 5 2400GE	9027	481	NA	NA

AMD Ryzen 5 2500U	7348	658	NA	NA
AMD Ryzen 5 2500X	9704	417	NA	NA
AMD Ryzen 5 2600	13513	234	117.52	$114.99
AMD Ryzen 5 2600H	8366	551	NA	NA
AMD Ryzen 5 2600X	14363	200	119.70	$119.99
AMD Ryzen 5 3400G	9980	387	72.37	$137.90
AMD Ryzen 5 3500	14210	206	NA	NA
AMD Ryzen 5 3500U	7843	608	NA	NA
AMD Ryzen 5 3500X	16438	136	NA	NA
AMD Ryzen 5 3550H	8363	552	NA	NA
AMD Ryzen 5 3580U	7896	601	NA	NA
AMD Ryzen 5 3600	19866	82	94.61	$209.99
AMD Ryzen 5 3600X	20459	73	84.08	$243.33
AMD Ryzen 5 PRO 1500	10133	369	NA	NA
AMD Ryzen 5 PRO 1600	12213	278	NA	NA
AMD Ryzen 5 PRO 2400G	9984	385	NA	NA
AMD Ryzen 5 PRO 2400GE	8447	542	NA	NA
AMD Ryzen 5 PRO 2500U	8179	568	NA	NA
AMD Ryzen 5 PRO 2600	14221	204	NA	NA
AMD Ryzen 5 PRO 3400G	10826	326	NA	NA
AMD Ryzen 5 PRO 3400GE	10300	358	NA	NA
AMD Ryzen 5 PRO 3500U	8362	553	NA	NA
AMD Ryzen 5 PRO 3600	21601	60	NA	NA
AMD Ryzen 7 1700	13931	214	54.66	$254.89
AMD Ryzen 7 1700X	14812	188	85.13	$173.99
AMD Ryzen 7 1800X	15541	170	42.88	$362.42
AMD Ryzen 7 2700	15069	181	107.65	$139.99
AMD Ryzen 7 2700E	13410	238	NA	NA
AMD Ryzen 7 2700U	7414	654	NA	NA
AMD Ryzen 7 2700X	16956	128	106.64	$159.00
AMD Ryzen 7 2800H	8498	539	NA	NA
AMD Ryzen 7 3700U	8021	585	NA	NA
AMD Ryzen 7 3700X	23861	42	76.97	$309.99
AMD Ryzen 7 3750H	8894	501	NA	NA
AMD Ryzen 7 3780U	7870	603	NA	NA
AMD Ryzen 7 3800X	24580	35	74.49	$329.99
AMD Ryzen 7 PRO 1700	14112	208	NA	NA
AMD Ryzen 7 PRO 1700X	15324	175	NA	NA
AMD Ryzen 7 PRO 2700	15406	174	NA	NA
AMD Ryzen 7 PRO 2700U	8877	503	NA	NA
AMD Ryzen 7 PRO 2700X	17161	124	NA	NA

AMD Ryzen 7 PRO 3700	26231	22	NA	NA
AMD Ryzen 7 PRO 3700U	8614	528	NA	NA
AMD Ryzen 9 3900	30679	8	NA	NA
AMD Ryzen 9 3900X	31901	6	63.80	$499.99
AMD Ryzen 9 3950X	36004	3	NA	NA
AMD Ryzen 9 PRO 3900	32889	5	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Ryzen Embedded R1505G	4578	1026	NA	NA
AMD Ryzen Embedded V1202B	4447	1056	NA	NA
AMD Ryzen Embedded V1605B	7087	681	NA	NA
AMD Ryzen Embedded V1756B	8559	533	NA	NA
AMD Ryzen Embedded V1807B	8528	537	NA	NA
AMD Ryzen Threadripper 1900X	16095	151	100.60	$159.99
AMD Ryzen Threadripper 1920X	20034	80	95.41	$209.99
AMD Ryzen Threadripper 1950X	21940	56	44.78	$489.99*
AMD Ryzen Threadripper 2920X	22029	54	56.49	$389.99
AMD Ryzen Threadripper 2950X	25276	30	37.73	$669.99
AMD Ryzen Threadripper 2970WX	21955	55	23.61	$929.99
AMD Ryzen Threadripper 2990WX	23226	47	13.46	$1,724.99
AMD Ryzen Threadripper 2990X	19227	99	NA	NA
AMD Sempron 130	700	2476	28.03	$24.99*
AMD Sempron 140	739	2458	18.69	$39.59*
AMD Sempron 145	807	2429	8.51	$94.92
AMD Sempron 150	747	2452	16.64	$44.95*
AMD Sempron 200U	267	2861	3.08	$87.00*
AMD Sempron 210U	391	2707	NA	NA
AMD Sempron 240	2110	1740	36.39	$58.00
AMD Sempron 2100+	392	2705	NA	NA
AMD Sempron 2200+	282	2841	9.42	$29.99*
AMD Sempron 2300+	318	2782	7.07	$45.00*
AMD Sempron 2400+	314	2789	12.10	$26.00*
AMD Sempron 2500+	335	2764	6.11	$54.95*
AMD Sempron 2600+	374	2722	10.71	$34.95
AMD Sempron 2650 APU	951	2351	14.65	$64.95
AMD Sempron 2800+	383	2712	6.40	$59.95
AMD Sempron 3000+	408	2678	8.17	$49.95
AMD Sempron 3100+	452	2632	7.53	$60.00*
AMD Sempron 3200+	406	2680	3.10	$131.22*
AMD Sempron 3300+	484	2602	8.07	$60.00*
AMD Sempron 3400+	454	2630	15.21	$29.89
AMD Sempron 3500+	379	2715	18.98	$20.00*
AMD Sempron 3600+	483	2604	40.30	$12.00*

AMD Sempron 3800+	554	2548	3.62	$152.92*
AMD Sempron 3850 APU	1715	1924	23.54	$72.90
AMD Sempron Dual Core 2100	936	2363	24.02	$39.00*
AMD Sempron Dual Core 2200	995	2319	NA	NA
AMD Sempron Dual Core 2300	982	2327	23.39	$41.99*
AMD Sempron Dual Core 4700	948	2354	NA	NA
AMD Sempron Dual Core 4900	1081	2270	NA	NA
AMD Sempron LE-250	490	2591	NA	NA
AMD Sempron LE-1100	437	2650	NA	NA
AMD Sempron LE-1150	444	2642	NA	NA
AMD Sempron LE-1200	531	2561	NA	NA
AMD Sempron LE-1250	543	2553	5.44	$99.95*
AMD Sempron LE-1300	595	2525	28.37	$21.00
AMD Sempron LE-1600	535	2558	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Sempron LE-1620	635	2506	NA	NA
AMD Sempron LE-1640	759	2448	NA	NA
AMD Sempron M100	566	2544	47.17	$12.00*
AMD Sempron M120	582	2533	NA	NA
AMD Sempron SI-40	447	2639	37.27	$12.00*
AMD Sempron SI-42	456	2629	15.22	$30.01*
AMD Sempron X2 180	1391	2086	20.05	$69.40*
AMD Sempron X2 190	1534	2023	18.39	$83.44*
AMD Sempron X2 198 Dual-Core	1413	2079	NA	NA
AMD Turion 64 Mobile MK-36	465	2617	NA	NA
AMD Turion 64 Mobile MK-38	513	2574	NA	NA
AMD Turion 64 Mobile ML-28	390	2709	NA	NA
AMD Turion 64 Mobile ML-30	402	2689	NA	NA
AMD Turion 64 Mobile ML-32	402	2687	NA	NA
AMD Turion 64 Mobile ML-34	425	2664	NA	NA
AMD Turion 64 Mobile ML-37	446	2640	2.27	$196.50*
AMD Turion 64 Mobile ML-40	522	2568	NA	NA
AMD Turion 64 Mobile ML-42	615	2515	NA	NA
AMD Turion 64 Mobile ML-44	591	2526	NA	NA
AMD Turion 64 Mobile MT-28	419	2667	NA	NA
AMD Turion 64 Mobile MT-30	378	2716	NA	NA
AMD Turion 64 Mobile MT-32	426	2663	NA	NA
AMD Turion 64 Mobile MT-34	429	2659	NA	NA
AMD Turion 64 Mobile MT-37	484	2601	NA	NA
AMD Turion 64 Mobile MT-40	536	2557	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2454	14.95	$49.99*

AMD Turion 64 X2 Mobile TL-52	763	2443	NA	NA
AMD Turion 64 X2 Mobile TL-56	891	2389	63.89	$13.95*
AMD Turion 64 X2 Mobile TL-58	947	2358	NA	NA
AMD Turion 64 X2 Mobile TL-60	998	2315	62.61	$15.95*
AMD Turion 64 X2 Mobile TL-62	1092	2261	3.51	$311.00*
AMD Turion 64 X2 Mobile TL-64	1090	2262	27.69	$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2235	3.02	$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2222	12.92	$90.00*
AMD Turion Dual-Core RM-70	912	2379	36.49	$25.00*
AMD Turion Dual-Core RM-72	860	2398	21.52	$39.99*
AMD Turion Dual-Core RM-74	1016	2304	NA	NA
AMD Turion Dual-Core RM-75	1003	2311	36.53	$27.46*
AMD Turion II Dual-Core Mobile M500	1293	2141	NA	NA
AMD Turion II Dual-Core Mobile M520	1306	2134	18.91	$69.10*
AMD Turion II Dual-Core Mobile M540	1338	2118	NA	NA
AMD Turion II N530 Dual-Core	1567	2009	52.24	$30.00*
AMD Turion II N550 Dual-Core	1521	2026	NA	NA
AMD Turion II Neo K625 Dual-Core	977	2330	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2206	NA	NA
AMD Turion II Neo N40L Dual-Core	930	2366	NA	NA
AMD Turion II Neo N54L Dual-Core	1363	2102	NA	NA
AMD Turion II P520 Dual-Core	1360	2105	NA	NA
AMD Turion II P540 Dual-Core	1432	2071	28.67	$49.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
AMD Turion II P560 Dual-Core	1515	2033	NA	NA
AMD Turion II Ultra Dual-Core Mobile M600	1406	2081	52.55	$26.76*
AMD Turion II Ultra Dual-Core Mobile M620	1435	2069	NA	NA
AMD Turion II Ultra Dual-Core Mobile M640	1670	1954	NA	NA
AMD Turion II Ultra Dual-Core Mobile M660	1533	2024	NA	NA
AMD Turion Neo X2 Dual Core L625	813	2425	NA	NA
AMD Turion X2 Dual Core L510	923	2372	NA	NA
AMD Turion X2 Dual Core Mobile RM-70	858	2400	6.48	$132.56*
AMD Turion X2 Dual Core Mobile RM-76	1059	2279	NA	NA
AMD Turion X2 Dual-Core Mobile RM-70	994	2323	NA	NA
AMD Turion X2 Dual-Core Mobile RM-72	1085	2266	4.84	$224.26*
AMD Turion X2 Dual-Core Mobile RM-74	1059	2278	43.31	$24.47*
AMD Turion X2 Dual-Core Mobile RM-75	1120	2240	NA	NA
AMD Turion X2 Dual-Core Mobile RM-77	1149	2231	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-80	1023	2297	16.51	$62.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-82	1084	2268	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-84	1209	2193	63.72	$18.99*
AMD Turion X2 Ultra Dual-Core Mobile ZM-85	1234	2181	27.43	$45.00*

AMD Turion X2 Ultra Dual-Core Mobile ZM-86	1295	2140	23.56	$55.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-87	1205	2197	30.18	$39.95*
AMD TurionX2 Dual Core Mobile RM-70	997	2318	NA	NA
AMD TurionX2 Dual Core Mobile RM-72	1026	2294	NA	NA
AMD TurionX2 Ultra DualCore Mobile ZM-85	1454	2061	NA	NA
AMD V105	299	2809	NA	NA
AMD V120	623	2513	NA	NA
AMD V140	643	2503	12.89	$49.95*
AMD V160	677	2488	NA	NA
AMD Z-01	523	2567	NA	NA
AMD Z-60 APU	500	2584	NA	NA
AMD-K6 3D	90	2985	NA	NA
AMD-K6-III	108	2982	NA	NA
AMD-K7	403	2686	NA	NA
Athlon 64 Dual Core 3800+	1234	2182	NA	NA
Athlon 64 Dual Core 4200+	1156	2226	5.64	$204.95*
Athlon 64 Dual Core 4800+	1370	2099	NA	NA
Athlon 64 Dual Core 5000+	1507	2038	NA	NA
Athlon 64 Dual Core 5400+	1614	1988	NA	NA
Athlon 64 Dual Core 5600+	1548	2016	NA	NA
Athlon Dual Core 4050e	968	2336	NA	NA
Athlon Dual Core 4450e	1204	2198	NA	NA
Athlon Dual Core 4850e	1346	2113	NA	NA
Celeron Dual-Core Q8300 @ 2.50GHz	2837	1470	NA	NA
Celeron Dual-Core T3000 @ 1.80GHz	1086	2265	NA	NA
Celeron Dual-Core T3100 @ 1.90GHz	1174	2212	27.97	$42.00*
Celeron Dual-Core T3300 @ 2.00GHz	1201	2201	NA	NA
Celeron Dual-Core T3500 @ 2.10GHz	1274	2160	NA	NA
Dual-Core AMD Opteron 1220 SE	1206	2195	NA	NA
HP Hexa-Core 2.0GHz	2178	1711	4.32	$504.27*
Intel 2.80GHz	525	2565	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel 1300 @ 1.66GHz	857	2401	NA	NA
Intel 1400 @ 1.83GHz	980	2328	NA	NA
Intel 1500 @ 2.00GHz	1024	2295	NA	NA
Intel Atom 230 @ 1.60GHz	307	2796	NA	NA
Intel Atom 330 @ 1.60GHz	587	2530	NA	NA
Intel Atom C2338 @ 1.74GHz	898	2387	NA	NA
Intel Atom C2358 @ 1.74GHz	961	2344	NA	NA
Intel Atom C2538 @ 2.40GHz	2085	1749	20.05	$104.00*
Intel Atom C2550 @ 2.40GHz	2141	1724	NA	NA

Intel Atom C2558 @ 2.40GHz	2169	1714	15.95	$136.00*
Intel Atom C2750 @ 2.40GHz	3768	1192	16.24	$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1302	NA	NA
Intel Atom C2758 @ 2.40GHz	3162	1359	14.72	$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1604	32.73	$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1572	29.52	$86.00*
Intel Atom C3858 @ 2.00GHz	4852	974	14.62	$332.00*
Intel Atom C3958 @ 2.00GHz	6586	734	14.67	$449.00*
Intel Atom D410 @ 1.66GHz	301	2805	0.47	$635.99*
Intel Atom D425 @ 1.80GHz	345	2757	0.35	$992.98*
Intel Atom D510 @ 1.66GHz	658	2496	6.78	$97.16*
Intel Atom D525 @ 1.80GHz	705	2472	NA	NA
Intel Atom D2500 @ 1.86GHz	403	2684	NA	NA
Intel Atom D2550 @ 1.86GHz	683	2486	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2468	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2410	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2465	NA	NA
Intel Atom E660 @ 1.30GHz	271	2856	5.03	$54.00*
Intel Atom E680 @ 1.60GHz	346	2754	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2771	1.58	$209.99
Intel Atom E3825 @ 1.33GHz	579	2535	8.24	$70.32*
Intel Atom E3826 @ 1.46GHz	489	2592	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2406	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2223	NA	NA
Intel Atom E3845 @ 1.91GHz	1504	2040	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1853	NA	NA
Intel Atom E3950 @ 1.60GHz	1876	1849	NA	NA
Intel Atom K510 @ 1.66GHz	658	2495	NA	NA
Intel Atom N270 @ 1.60GHz	269	2860	NA	NA
Intel Atom N280 @ 1.66GHz	282	2838	NA	NA
Intel Atom N435 @ 1.33GHz	261	2868	NA	NA
Intel Atom N450 @ 1.66GHz	296	2815	NA	NA
Intel Atom N455 @ 1.66GHz	283	2837	NA	NA
Intel Atom N470 @ 1.83GHz	332	2770	NA	NA
Intel Atom N475 @ 1.83GHz	314	2787	NA	NA
Intel Atom N550 @ 1.50GHz	524	2566	6.10	$86.00*
Intel Atom N570 @ 1.66GHz	574	2540	6.68	$86.00*
Intel Atom N2100 @ 1.60GHz	302	2801	NA	NA
Intel Atom N2600 @ 1.60GHz	527	2563	NA	NA
Intel Atom N2800 @ 1.86GHz	625	2512	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Atom S1260 @ 2.00GHz	916	2375	14.32	$64.00*

Intel Atom T5700 @ 1.70GHz	2039	1769	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2426	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1578	2004	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1191	2204	8.96	$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1029	2292	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1275	2158	60.75	$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1696	1940	27.11	$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1835	1871	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1890	1842	25.68	$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1894	1838	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2936	4.33	$45.00*
Intel Atom Z515 @ 1.20GHz	218	2911	NA	NA
Intel Atom Z520 @ 1.33GHz	217	2912	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2845	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2751	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2713	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2892	NA	NA
Intel Atom Z2760 @ 1.80GHz	568	2543	NA	NA
Intel Atom Z3735D @ 1.33GHz	937	2362	NA	NA
Intel Atom Z3735E @ 1.33GHz	948	2355	8.10	$117.00*
Intel Atom Z3735F @ 1.33GHz	914	2376	5.04	$181.30*
Intel Atom Z3735G @ 1.33GHz	906	2383	NA	NA
Intel Atom Z3736F @ 1.33GHz	912	2378	NA	NA
Intel Atom Z3740 @ 1.33GHz	1068	2275	NA	NA
Intel Atom Z3740D @ 1.33GHz	1011	2305	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2273	35.98	$30.00*
Intel Atom Z3745D @ 1.33GHz	1018	2302	NA	NA
Intel Atom Z3770 @ 1.46GHz	1252	2172	8.38	$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2430	NA	NA
Intel Atom Z3775 @ 1.46GHz	1275	2159	36.44	$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2155	NA	NA
Intel Atom Z3795 @ 1.60GHz	1804	1884	NA	NA
Intel Celeron 1.70GHz	130	2975	NA	NA
Intel Celeron 1.80GHz	136	2972	NA	NA
Intel Celeron 2.00GHz	182	2948	NA	NA
Intel Celeron 2.10GHz	244	2890	NA	NA
Intel Celeron 2.13GHz	208	2922	NA	NA
Intel Celeron 2.20GHz	213	2917	NA	NA
Intel Celeron 2.26GHz	223	2907	NA	NA
Intel Celeron 2.30GHz	227	2904	NA	NA
Intel Celeron 2.40GHz	217	2913	NA	NA

Intel Celeron 2.50GHz	247	2884	NA	NA
Intel Celeron 2.53GHz	245	2888	NA	NA
Intel Celeron 2.60GHz	238	2894	NA	NA
Intel Celeron 2.66GHz	249	2882	NA	NA
Intel Celeron 2.70GHz	245	2889	NA	NA
Intel Celeron 2.80GHz	254	2874	NA	NA
Intel Celeron 2.93GHz	283	2836	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron 3.06GHz	284	2834	NA	NA
Intel Celeron 3.20GHz	288	2826	NA	NA
Intel Celeron 3.33GHz	333	2768	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2777	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2779	NA	NA
Intel Celeron 420 @ 1.60GHz	450	2634	11.27	$39.99*
Intel Celeron 430 @ 1.80GHz	487	2593	10.33	$47.18
Intel Celeron 440 @ 2.00GHz	544	2551	24.38	$22.33
Intel Celeron 450 @ 2.20GHz	626	2509	20.90	$29.99*
Intel Celeron 530 @ 1.73GHz	474	2611	20.62	$22.99*
Intel Celeron 540 @ 1.86GHz	521	2569	NA	NA
Intel Celeron 550 @ 2.00GHz	517	2571	7.96	$64.95
Intel Celeron 560 @ 2.13GHz	531	2560	6.65	$79.95
Intel Celeron 570 @ 2.26GHz	517	2570	NA	NA
Intel Celeron 600MHz	147	2968	NA	NA
Intel Celeron 723 @ 1.20GHz	390	2708	NA	NA
Intel Celeron 743 @ 1.30GHz	421	2666	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2451	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2729	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2516	NA	NA
Intel Celeron 847 @ 1.10GHz	935	2364	2.97	$315.00*
Intel Celeron 847E @ 1.10GHz	1021	2299	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2233	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2215	39.12	$29.99*
Intel Celeron 877 @ 1.40GHz	1291	2143	NA	NA
Intel Celeron 887 @ 1.50GHz	1280	2154	NA	NA
Intel Celeron 900 @ 2.20GHz	676	2489	23.34	$28.99
Intel Celeron 925 @ 2.30GHz	689	2481	NA	NA
Intel Celeron 1000M @ 1.80GHz	1673	1951	NA	NA
Intel Celeron 1000MHz	213	2916	NA	NA
Intel Celeron 1005M @ 1.90GHz	1808	1881	NA	NA
Intel Celeron 1007U @ 1.50GHz	1390	2088	7.52	$184.99*
Intel Celeron 1017U @ 1.60GHz	1508	2037	NA	NA
Intel Celeron 1019Y @ 1.00GHz	954	2349	NA	NA

Intel Celeron 1020E @ 2.20GHz	2232	1693	NA	NA
Intel Celeron 1037U @ 1.80GHz	1736	1915	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2205	NA	NA
Intel Celeron 1066MHz	259	2870	NA	NA
Intel Celeron 1100MHz	174	2954	NA	NA
Intel Celeron 1133MHz	282	2839	NA	NA
Intel Celeron 1200MHz	244	2891	NA	NA
Intel Celeron 1300MHz	288	2828	NA	NA
Intel Celeron 1333MHz	290	2822	NA	NA
Intel Celeron 1400MHz	302	2802	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1638	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	1992	18.67	$86.00*
Intel Celeron 2950M @ 2.00GHz	1984	1791	NA	NA
Intel Celeron 2955U @ 1.40GHz	1413	2080	NA	NA
Intel Celeron 2957U @ 1.40GHz	1433	2070	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron 2961Y @ 1.10GHz	1110	2248	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1653	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	2001	NA	NA
Intel Celeron 2981U @ 1.60GHz	1364	2101	NA	NA
Intel Celeron 3205U @ 1.50GHz	1503	2041	5.24	$287.04*
Intel Celeron 3215U @ 1.70GHz	1652	1969	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1935	NA	NA
Intel Celeron 3765U @ 1.90GHz	1948	1812	NA	NA
Intel Celeron 3855U @ 1.60GHz	1685	1946	NA	NA
Intel Celeron 3865U @ 1.80GHz	1918	1828	NA	NA
Intel Celeron 3867U @ 1.80GHz	1852	1861	17.31	$107.00*
Intel Celeron 3955U @ 2.00GHz	1943	1814	NA	NA
Intel Celeron 3965U @ 2.20GHz	2369	1636	22.14	$107.00*
Intel Celeron 3965Y @ 1.50GHz	1607	1991	15.03	$107.00*
Intel Celeron 4205U @ 1.80GHz	1977	1794	18.48	$107.00*
Intel Celeron @ 1.30GHz	965	2337	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2942	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2423	NA	NA
Intel Celeron B800 @ 1.50GHz	1277	2157	NA	NA
Intel Celeron B810 @ 1.60GHz	1395	2085	NA	NA
Intel Celeron B815 @ 1.60GHz	1363	2103	NA	NA
Intel Celeron B820 @ 1.70GHz	1430	2072	36.42	$39.29*
Intel Celeron B830 @ 1.80GHz	1512	2036	NA	NA
Intel Celeron B840 @ 1.90GHz	1719	1921	NA	NA
Intel Celeron D 347 @ 3.06GHz	270	2858	NA	NA

Intel Celeron D 352 @ 3.20GHz	302	2803	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2784	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2763	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2683	4.50	$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2605	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2531	NA	NA
Intel Celeron E1200 @ 1.60GHz	860	2399	8.60	$99.99
Intel Celeron E1400 @ 2.00GHz	1053	2282	15.05	$69.99
Intel Celeron E1500 @ 2.20GHz	1168	2218	59.47	$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2168	NA	NA
Intel Celeron E3200 @ 2.40GHz	1382	2091	26.59	$51.99*
Intel Celeron E3300 @ 2.50GHz	1389	2089	55.62	$24.98
Intel Celeron E3400 @ 2.60GHz	1440	2067	2.36	$610.00*
Intel Celeron E3500 @ 2.70GHz	1454	2060	36.37	$39.99*
Intel Celeron G440 @ 1.60GHz	694	2478	13.90	$49.99*
Intel Celeron G460 @ 1.80GHz	1035	2290	15.93	$65.00
Intel Celeron G465 @ 1.90GHz	1064	2276	10.64	$100.00*
Intel Celeron G470 @ 2.00GHz	1298	2138	NA	NA
Intel Celeron G530 @ 2.40GHz	2128	1732	53.22	$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1922	NA	NA
Intel Celeron G540 @ 2.50GHz	2197	1707	48.84	$45.00*
Intel Celeron G540T @ 2.10GHz	2114	1737	NA	NA
Intel Celeron G550 @ 2.60GHz	2290	1662	28.63	$80.00
Intel Celeron G550T @ 2.20GHz	2032	1773	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron G555 @ 2.70GHz	2422	1614	22.23	$109.00
Intel Celeron G1101 @ 2.27GHz	1667	1958	84.34	$19.77*
Intel Celeron G1610 @ 2.60GHz	2488	1593	35.55	$69.99
Intel Celeron G1610T @ 2.30GHz	2256	1681	56.35	$40.04*
Intel Celeron G1620 @ 2.70GHz	2576	1555	39.65	$64.99
Intel Celeron G1620T @ 2.40GHz	2353	1643	56.03	$42.00*
Intel Celeron G1630 @ 2.80GHz	2493	1591	35.63	$69.99
Intel Celeron G1820 @ 2.70GHz	2749	1504	45.83	$59.99
Intel Celeron G1820T @ 2.40GHz	2495	1590	59.42	$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1729	NA	NA
Intel Celeron G1830 @ 2.80GHz	2568	1560	27.05	$94.95*
Intel Celeron G1840 @ 2.80GHz	2860	1467	28.61	$99.98
Intel Celeron G1840T @ 2.50GHz	2554	1565	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1446	36.38	$79.99*
Intel Celeron G3900 @ 2.80GHz	3131	1370	56.94	$54.99
Intel Celeron G3900E @ 2.40GHz	2679	1523	25.05	$107.00*
Intel Celeron G3900T @ 2.60GHz	2925	1442	26.01	$112.46*

Intel Celeron G3900TE @ 2.30GHz	2591	1549	61.71	$42.00*
Intel Celeron G3920 @ 2.90GHz	3129	1372	27.45	$113.99*
Intel Celeron G3930 @ 2.90GHz	3042	1402	33.96	$89.59
Intel Celeron G3930T @ 2.70GHz	2766	1495	46.19	$59.89
Intel Celeron G3930TE @ 2.70GHz	2970	1425	70.72	$42.00*
Intel Celeron G3950 @ 3.00GHz	3049	1401	27.97	$109.04
Intel Celeron G4900 @ 3.10GHz	3293	1317	54.90	$59.99
Intel Celeron G4900T @ 2.90GHz	3096	1382	73.72	$42.00*
Intel Celeron G4920 @ 3.20GHz	3220	1339	42.10	$76.50*
Intel Celeron G4930 @ 3.20GHz	3503	1264	56.56	$61.95
Intel Celeron J1750 @ 2.41GHz	1037	2289	NA	NA
Intel Celeron J1800 @ 2.41GHz	1017	2303	NA	NA
Intel Celeron J1850 @ 1.99GHz	1617	1986	NA	NA
Intel Celeron J1900 @ 1.99GHz	1852	1859	NA	NA
Intel Celeron J3060 @ 1.60GHz	975	2332	NA	NA
Intel Celeron J3160 @ 1.60GHz	1798	1887	NA	NA
Intel Celeron J3355 @ 2.00GHz	1155	2227	NA	NA
Intel Celeron J3455 @ 1.50GHz	2112	1739	6.04	$349.99
Intel Celeron J4005 @ 2.00GHz	1551	2015	10.31	$150.52
Intel Celeron J4105 @ 1.50GHz	2642	1534	24.69	$107.00*
Intel Celeron M 1.00GHz	207	2923	1.60	$129.95
Intel Celeron M 1.30GHz	316	2783	NA	NA
Intel Celeron M 1.50GHz	343	2759	NA	NA
Intel Celeron M 1.60GHz	362	2740	NA	NA
Intel Celeron M 1.70GHz	393	2703	NA	NA
Intel Celeron M 360 1.40GHz	328	2773	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2785	NA	NA
Intel Celeron M 420 @ 1.60GHz	334	2767	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2731	NA	NA
Intel Celeron M 440 @ 1.86GHz	392	2704	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2876	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2635	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Celeron M 520 @ 1.60GHz	431	2658	NA	NA
Intel Celeron M 530 @ 1.73GHz	462	2620	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2554	NA	NA
Intel Celeron M 600MHz	151	2966	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2628	NA	NA
Intel Celeron M 900MHz	205	2924	NA	NA
Intel Celeron M 1200MHz	275	2854	NA	NA
Intel Celeron M 1300MHz	303	2799	NA	NA

Intel Celeron M 1500MHz	333	2769	NA	NA
Intel Celeron M ULV 800MHz	184	2946	NA	NA
Intel Celeron N2805 @ 1.46GHz	460	2625	NA	NA
Intel Celeron N2806 @ 1.60GHz	802	2431	NA	NA
Intel Celeron N2807 @ 1.58GHz	861	2397	NA	NA
Intel Celeron N2808 @ 1.58GHz	907	2382	NA	NA
Intel Celeron N2810 @ 2.00GHz	788	2436	5.64	$139.99*
Intel Celeron N2815 @ 1.86GHz	856	2403	NA	NA
Intel Celeron N2820 @ 2.13GHz	937	2361	8.53	$109.99
Intel Celeron N2830 @ 2.16GHz	965	2338	NA	NA
Intel Celeron N2840 @ 2.16GHz	1002	2312	NA	NA
Intel Celeron N2910 @ 1.60GHz	1203	2199	NA	NA
Intel Celeron N2920 @ 1.86GHz	1513	2035	NA	NA
Intel Celeron N2930 @ 1.83GHz	1658	1966	NA	NA
Intel Celeron N2940 @ 1.83GHz	1722	1918	NA	NA
Intel Celeron N3000 @ 1.04GHz	899	2385	NA	NA
Intel Celeron N3010 @ 1.04GHz	978	2329	NA	NA
Intel Celeron N3050 @ 1.60GHz	880	2390	5.68	$154.99
Intel Celeron N3060 @ 1.60GHz	984	2326	NA	NA
Intel Celeron N3150 @ 1.60GHz	1666	1959	NA	NA
Intel Celeron N3160 @ 1.60GHz	1664	1962	5.94	$279.99
Intel Celeron N3350 @ 1.10GHz	1113	2246	NA	NA
Intel Celeron N3450 @ 1.10GHz	1850	1862	11.63	$159.10
Intel Celeron N4000 @ 1.10GHz	1430	2073	13.37	$107.00*
Intel Celeron N4100 @ 1.10GHz	2268	1677	21.20	$107.00*
Intel Celeron P4500 @ 1.87GHz	1116	2242	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2321	NA	NA
Intel Celeron P4600 @ 2.00GHz	1328	2122	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2440	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2353	47.54	$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2280	35.29	$29.99*
Intel Celeron U1900 @ 1.99GHz	1704	1934	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2463	NA	NA
Intel Celeron U3405 @ 1.07GHz	684	2483	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2428	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1051	2283	6.58	$159.95*
Intel Core2 Duo E4400 @ 2.00GHz	1158	2225	23.18	$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1270	2162	17.84	$71.25*
Intel Core2 Duo E4600 @ 2.40GHz	1384	2090	8.77	$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	2052	54.88	$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1108	2251	85.33	$12.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo E6320 @ 1.86GHz	1185	2208	23.72	$49.99*
Intel Core2 Duo E6400 @ 2.13GHz	1288	2146	43.02	$29.95*
Intel Core2 Duo E6420 @ 2.13GHz	1359	2106	27.20	$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1451	2063	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1497	2045	100.17	$14.95*
Intel Core2 Duo E6600 @ 2.40GHz	1554	2014	103.72	$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1693	1942	56.46	$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1712	1927	166.27	$10.30*
Intel Core2 Duo E6850 @ 3.00GHz	1946	1813	38.93	$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1624	1984	33.16	$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1727	1917	43.31	$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1769	1896	61.06	$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1873	1851	125.01	$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1959	1803	16.34	$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1490	2047	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1761	1900	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1882	1847	37.66	$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1806	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1641	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1990	1789	99.56	$19.99*
Intel Core2 Duo E8335 @ 2.66GHz	1846	1863	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1733	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2148	1723	47.22	$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2068	1759	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2281	1667	57.06	$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2397	1625	56.48	$42.45*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1702	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2445	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2484	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	825	2419	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2408	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	961	2343	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	973	2333	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2241	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1080	2271	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1346	2112	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1289	2145	64.49	$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1311	2130	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1416	2077	35.42	$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2359	NA	NA

Intel Core2 Duo P7550 @ 2.26GHz	1518	2030	6.60	$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1455	2059	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2298	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1453	2062	4.89	$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	2022	31.25	$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1624	1985	42.76	$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1739	1912	30.53	$56.99*
Intel Core2 Duo P9300 @ 2.26GHz	1564	2011	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1750	1907	1.75	$998.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo P9600 @ 2.53GHz	1754	1905	17.72	$99.00*
Intel Core2 Duo P9600 @ 2.66GHz	1866	1854	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2015	1781	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2529	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1251	2174	4.95	$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1675	1948	5.90	$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	925	2369	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	833	2414	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	839	2412	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2424	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	933	2365	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	913	2377	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2381	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	923	2373	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1039	2288	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2293	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2322	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1093	2259	109.45	$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2244	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1206	2196	75.86	$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1149	2230	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1211	2192	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1226	2185	81.79	$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1285	2151	85.74	$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1257	2167	32.66	$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1358	2108	71.90	$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1359	2107	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1020	2300	46.43	$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1167	2220	11.68	$99.95*
Intel Core2 Duo T7250 @ 2.00GHz	1114	2243	5.53	$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1194	2202	38.55	$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1250	2176	NA	NA

Intel Core2 Duo T7500 @ 2.20GHz	1271	2161	29.58	$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1377	2096	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1425	2074	10.18	$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1597	1997	2.63	$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1297	2139	1.30	$999.99*
Intel Core2 Duo T8300 @ 2.40GHz	1471	2055	13.51	$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1674	1950	28.87	$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1737	1914	38.66	$44.95*
Intel Core2 Duo T9500 @ 2.60GHz	1792	1889	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1803	1885	6.03	$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1927	1822	21.43	$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2003	1785	4.73	$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2137	1725	5.36	$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	871	2392	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2527	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	669	2491	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2477	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core2 Duo U9300 @ 1.20GHz	855	2404	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1129	2239	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1944	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1226	3.25	$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3622	1229	2.42	$1,495.95*
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1276	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1875	1850	7.11	$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1886	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	2120	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1688	1943	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1894	1839	4.62	$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2076	1754	2.44	$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4157	1113	4.83	$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	1042	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4608	1019	2.86	$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	1008	2.57	$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2947	1432	73.72	$39.98*
Intel Core2 Quad Q6700 @ 2.66GHz	3278	1320	72.87	$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2807	1483	122.11	$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2980	1418	59.62	$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3162	1360	13.18	$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2525	1576	6.49	$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1330	8.40	$385.89*

Intel Core2 Quad Q9300 @ 2.50GHz	3152	1364	15.80	$199.50*
Intel Core2 Quad Q9400 @ 2.66GHz	3337	1308	69.49	$48.03*
Intel Core2 Quad Q9450 @ 2.66GHz	3757	1198	105.24	$35.70*
Intel Core2 Quad Q9500 @ 2.83GHz	3521	1258	100.63	$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3520	1259	18.53	$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3962	1147	89.06	$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4154	1114	25.97	$159.95
Intel Core2 Quad Q9705 @ 3.16GHz	3947	1152	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2742	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2792	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2670	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	465	2616	NA	NA
Intel Core 330 @ 1.60GHz	643	2502	NA	NA
Intel Core 860 @ 2.80GHz	4555	1029	28.65	$159.00*
Intel Core Duo L2300 @ 1.50GHz	719	2466	NA	NA
Intel Core Duo L2400 @ 1.66GHz	705	2474	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2453	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2480	NA	NA
Intel Core Duo T2250 @ 1.73GHz	755	2449	NA	NA
Intel Core Duo T2300 @ 1.66GHz	727	2461	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2444	NA	NA
Intel Core Duo T2400 @ 1.83GHz	794	2435	49.63	$16.00*
Intel Core Duo T2450 @ 2.00GHz	825	2418	NA	NA
Intel Core Duo T2500 @ 2.00GHz	863	2396	7.19	$119.99*
Intel Core Duo T2600 @ 2.16GHz	944	2360	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2296	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core Duo U2400 @ 1.06GHz	544	2552	NA	NA
Intel Core Duo U2500 @ 1.20GHz	507	2580	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1816	NA	NA
Intel Core i3-330M @ 2.13GHz	1785	1891	11.16	$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2274	NA	NA
Intel Core i3-350M @ 2.27GHz	1891	1841	112.93	$16.75
Intel Core i3-370M @ 2.40GHz	2015	1782	50.43	$39.96*
Intel Core i3-380M @ 2.53GHz	2093	1745	34.92	$59.95
Intel Core i3-380UM @ 1.33GHz	1159	2224	NA	NA
Intel Core i3-390M @ 2.67GHz	2172	1712	55.78	$38.95*
Intel Core i3-530 @ 2.93GHz	2564	1562	23.75	$108.00
Intel Core i3-540 @ 3.07GHz	2684	1521	14.13	$189.95
Intel Core i3-550 @ 3.20GHz	2829	1474	16.10	$175.74
Intel Core i3-560 @ 3.33GHz	2935	1436	16.31	$179.95
Intel Core i3-1005G1 @ 1.20GHz	5929	799	21.10	$281.00*

Intel Core i3-2100 @ 3.10GHz	3693	1218	67.16	$54.99
Intel Core i3-2100T @ 2.50GHz	2980	1419	49.68	$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1205	64.41	$58.00*
Intel Core i3-2105 @ 3.10GHz	3712	1212	32.29	$114.99*
Intel Core i3-2120 @ 3.30GHz	3932	1159	98.33	$39.99
Intel Core i3-2120T @ 2.60GHz	3155	1362	126.28	$24.99
Intel Core i3-2125 @ 3.30GHz	4015	1136	19.40	$207.00*
Intel Core i3-2130 @ 3.40GHz	4072	1128	66.77	$60.99
Intel Core i3-2140 @ 3.50GHz	4325	1080	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1469	12.62	$225.00*
Intel Core i3-2310M @ 2.10GHz	2432	1611	62.68	$38.81
Intel Core i3-2312M @ 2.10GHz	2374	1634	NA	NA
Intel Core i3-2328M @ 2.20GHz	2544	1568	27.37	$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1392	NA	NA
Intel Core i3-2330M @ 2.20GHz	2528	1575	126.50	$19.99
Intel Core i3-2332M @ 2.20GHz	2382	1631	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1920	NA	NA
Intel Core i3-2348M @ 2.30GHz	2621	1540	NA	NA
Intel Core i3-2350M @ 2.30GHz	2631	1537	82.54	$31.88
Intel Core i3-2357M @ 1.30GHz	1556	2013	NA	NA
Intel Core i3-2365M @ 1.40GHz	1682	1947	NA	NA
Intel Core i3-2367M @ 1.40GHz	1708	1932	NA	NA
Intel Core i3-2370M @ 2.40GHz	2778	1492	69.79	$39.81*
Intel Core i3-2375M @ 1.50GHz	1773	1895	NA	NA
Intel Core i3-2377M @ 1.50GHz	1828	1876	NA	NA
Intel Core i3-3110M @ 2.40GHz	3081	1388	38.55	$79.95*
Intel Core i3-3120M @ 2.50GHz	3225	1337	29.32	$110.00*
Intel Core i3-3130M @ 2.60GHz	3389	1291	NA	NA
Intel Core i3-3210 @ 3.20GHz	4044	1132	20.33	$199.00*
Intel Core i3-3217U @ 1.80GHz	2304	1657	10.02	$229.99*
Intel Core i3-3217UE @ 1.60GHz	2162	1716	NA	NA
Intel Core i3-3220 @ 3.30GHz	4247	1096	77.24	$54.99
Intel Core i3-3220T @ 2.80GHz	3693	1217	13.48	$273.95
Intel Core i3-3225 @ 3.30GHz	4346	1073	13.37	$324.99
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-3227U @ 1.90GHz	2469	1599	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1937	NA	NA
Intel Core i3-3240 @ 3.40GHz	4317	1083	86.36	$50.00
Intel Core i3-3240T @ 2.90GHz	3666	1224	NA	NA
Intel Core i3-3245 @ 3.40GHz	4467	1050	25.97	$172.01
Intel Core i3-3250 @ 3.50GHz	4459	1053	63.70	$70.00

Intel Core i3-3250T @ 3.00GHz	3614	1231	NA	NA
Intel Core i3-4000M @ 2.40GHz	3257	1325	16.29	$199.95*
Intel Core i3-4005U @ 1.70GHz	2446	1608	NA	NA
Intel Core i3-4010U @ 1.70GHz	2442	1609	16.29	$149.99
Intel Core i3-4010Y @ 1.30GHz	1900	1836	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2157	1721	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2214	1700	NA	NA
Intel Core i3-4025U @ 1.90GHz	2789	1489	NA	NA
Intel Core i3-4030U @ 1.90GHz	2717	1511	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1585	NA	NA
Intel Core i3-4100M @ 2.50GHz	3432	1281	15.71	$218.57*
Intel Core i3-4110M @ 2.60GHz	3854	1170	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1453	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1400	NA	NA
Intel Core i3-4130 @ 3.40GHz	4804	980	53.39	$89.99
Intel Core i3-4130T @ 2.90GHz	4152	1115	46.67	$88.99*
Intel Core i3-4150 @ 3.50GHz	4902	962	49.52	$99.00
Intel Core i3-4150T @ 3.00GHz	4227	1098	18.39	$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1444	NA	NA
Intel Core i3-4160 @ 3.60GHz	5049	931	56.12	$89.99
Intel Core i3-4160T @ 3.10GHz	4465	1051	29.77	$149.99*
Intel Core i3-4170 @ 3.70GHz	5189	905	19.45	$266.79
Intel Core i3-4170T @ 3.20GHz	4489	1045	21.38	$209.95*
Intel Core i3-4330 @ 3.50GHz	5087	919	46.68	$109.00
Intel Core i3-4330T @ 3.00GHz	4485	1047	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1342	NA	NA
Intel Core i3-4340 @ 3.60GHz	5245	897	30.86	$169.99*
Intel Core i3-4350 @ 3.60GHz	4990	946	29.36	$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	1087	NA	NA
Intel Core i3-4360 @ 3.70GHz	5446	866	21.03	$259.00*
Intel Core i3-4360T @ 3.20GHz	4636	1009	NA	NA
Intel Core i3-4370 @ 3.80GHz	5617	836	18.18	$309.00*
Intel Core i3-4370T @ 3.30GHz	4870	966	35.29	$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	955	NA	NA
Intel Core i3-5005U @ 2.00GHz	2902	1451	NA	NA
Intel Core i3-5010U @ 2.10GHz	3058	1397	9.06	$337.76*
Intel Core i3-5015U @ 2.10GHz	2976	1421	NA	NA
Intel Core i3-5020U @ 2.20GHz	3198	1344	6.97	$459.00*
Intel Core i3-5157U @ 2.50GHz	3670	1223	NA	NA
Intel Core i3-6006U @ 2.00GHz	3078	1391	NA	NA
Intel Core i3-6098P @ 3.60GHz	5387	874	40.28	$133.74*
Intel Core i3-6100 @ 3.70GHz	5483	857	42.51	$128.99

Intel Core i3-6100E @ 2.70GHz	3769	1191	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i3-6100H @ 2.70GHz	4188	1105	NA	NA
Intel Core i3-6100T @ 3.20GHz	4858	973	35.99	$134.99*
Intel Core i3-6100TE @ 2.70GHz	4315	1084	NA	NA
Intel Core i3-6100U @ 2.30GHz	3604	1235	7.00	$515.00*
Intel Core i3-6102E @ 1.90GHz	3196	1346	14.20	$225.00*
Intel Core i3-6157U @ 2.40GHz	3826	1180	NA	NA
Intel Core i3-6300 @ 3.80GHz	5843	810	18.85	$309.99
Intel Core i3-6300T @ 3.30GHz	5247	896	33.86	$154.99*
Intel Core i3-6320 @ 3.90GHz	6046	791	14.86	$407.00
Intel Core i3-7020U @ 2.30GHz	3521	1257	12.53	$281.00*
Intel Core i3-7100 @ 3.90GHz	5778	815	48.15	$120.00
Intel Core i3-7100H @ 3.00GHz	4627	1014	20.57	$225.00*
Intel Core i3-7100T @ 3.40GHz	5049	932	34.50	$146.35
Intel Core i3-7100U @ 2.40GHz	3760	1196	10.45	$359.99
Intel Core i3-7101TE @ 3.40GHz	5160	909	44.11	$117.00*
Intel Core i3-7102E @ 2.10GHz	3266	1322	14.52	$225.00*
Intel Core i3-7130U @ 2.70GHz	4062	1129	8.83	$459.99*
Intel Core i3-7167U @ 2.80GHz	4757	988	NA	NA
Intel Core i3-7300 @ 4.00GHz	6328	758	39.56	$159.99
Intel Core i3-7300T @ 3.50GHz	5369	878	29.57	$181.59*
Intel Core i3-7320 @ 4.10GHz	6417	750	35.12	$182.72*
Intel Core i3-7350K @ 4.20GHz	6593	733	33.91	$194.45
Intel Core i3-8100 @ 3.60GHz	8006	588	61.59	$129.99
Intel Core i3-8100B @ 3.60GHz	8544	534	64.24	$133.00*
Intel Core i3-8100T @ 3.10GHz	7309	662	56.66	$129.00*
Intel Core i3-8109U @ 3.00GHz	6092	786	NA	NA
Intel Core i3-8121U @ 2.20GHz	4802	981	NA	NA
Intel Core i3-8130U @ 2.20GHz	5015	940	17.85	$281.00*
Intel Core i3-8145U @ 2.10GHz	5502	856	19.58	$281.00*
Intel Core i3-8300 @ 3.70GHz	8700	519	44.54	$195.33
Intel Core i3-8300T @ 3.20GHz	8032	583	47.11	$170.49*
Intel Core i3-8350K @ 4.00GHz	9238	459	46.48	$198.75
Intel Core i3-9100 @ 3.60GHz	8947	495	59.65	$149.99
Intel Core i3-9100F @ 3.60GHz	8894	500	101.25	$87.85
Intel Core i3-9100T @ 3.10GHz	7650	630	62.71	$122.00*
Intel Core i3-9300 @ 3.70GHz	10018	379	65.91	$152.00*
Intel Core i3-9300T @ 3.20GHz	8777	511	61.38	$143.00*
Intel Core i3-9320 @ 3.70GHz	10144	367	62.62	$162.00*
Intel Core i3-9350KF @ 4.00GHz	10526	345	43.08	$244.36

Intel Core i3-10110U @ 2.10GHz	6026	792	NA	NA
Intel Core i3-21050 @ 3.10GHz	3862	1169	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1708	21.97	$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1595	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3547	1247	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3676	1221	NA	NA
Intel Core i5-430M @ 2.27GHz	2093	1744	14.96	$139.95*
Intel Core i5-430UM @ 1.20GHz	1341	2116	NA	NA
Intel Core i5-450M @ 2.40GHz	2134	1728	66.80	$31.95*
Intel Core i5-460M @ 2.53GHz	2319	1648	30.95	$74.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-470UM @ 1.33GHz	1079	2272	NA	NA
Intel Core i5-480M @ 2.67GHz	2399	1623	29.78	$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1688	NA	NA
Intel Core i5-520M @ 2.40GHz	2367	1637	79.42	$29.81
Intel Core i5-520UM @ 1.07GHz	1348	2111	NA	NA
Intel Core i5-540M @ 2.53GHz	2452	1605	36.07	$68.00*
Intel Core i5-540UM @ 1.20GHz	1375	2097	NA	NA
Intel Core i5-560M @ 2.67GHz	2578	1554	31.45	$81.97*
Intel Core i5-560UM @ 1.33GHz	1664	1961	NA	NA
Intel Core i5-580M @ 2.67GHz	2582	1553	23.49	$109.95*
Intel Core i5-650 @ 3.20GHz	3096	1383	86.03	$35.99
Intel Core i5-655K @ 3.20GHz	3386	1293	56.45	$59.99*
Intel Core i5-660 @ 3.33GHz	3246	1329	9.02	$359.95
Intel Core i5-661 @ 3.33GHz	3194	1347	13.89	$229.99*
Intel Core i5-670 @ 3.47GHz	3309	1313	11.86	$279.00*
Intel Core i5-680 @ 3.60GHz	3513	1262	39.04	$89.99*
Intel Core i5-750 @ 2.67GHz	3719	1207	92.55	$40.19*
Intel Core i5-760 @ 2.80GHz	3935	1158	18.83	$209.00*
Intel Core i5-1035G1 @ 1.00GHz	8972	486	30.21	$297.00*
Intel Core i5-1035G4 @ 1.10GHz	8777	510	28.41	$309.00*
Intel Core i5-1035G7 @ 1.20GHz	9876	398	30.86	$320.00*
Intel Core i5-2300 @ 2.80GHz	5364	880	67.06	$79.99*
Intel Core i5-2310 @ 2.90GHz	5536	852	29.71	$186.33*
Intel Core i5-2320 @ 3.00GHz	5775	818	22.22	$259.95
Intel Core i5-2380P @ 3.10GHz	5743	824	31.91	$180.00*
Intel Core i5-2390T @ 2.70GHz	4223	1100	42.27	$99.90*
Intel Core i5-2400 @ 3.10GHz	5973	794	199.20	$29.99
Intel Core i5-2400S @ 2.50GHz	4990	945	27.42	$182.00*
Intel Core i5-2405S @ 2.50GHz	5082	922	24.44	$208.00*
Intel Core i5-2410M @ 2.30GHz	3172	1354	44.06	$72.00*
Intel Core i5-2415M @ 2.30GHz	3303	1315	NA	NA

Intel Core i5-2430M @ 2.40GHz	3286	1318	36.92	$89.02*
Intel Core i5-2435M @ 2.40GHz	3232	1332	NA	NA
Intel Core i5-2450M @ 2.50GHz	3402	1285	46.41	$73.30
Intel Core i5-2450P @ 3.20GHz	6149	774	68.34	$89.99*
Intel Core i5-2467M @ 1.60GHz	2319	1647	NA	NA
Intel Core i5-2500 @ 3.30GHz	6353	755	115.51	$55.00
Intel Core i5-2500K @ 3.30GHz	6488	742	14.94	$434.26*
Intel Core i5-2500S @ 2.70GHz	5386	875	82.57	$65.24
Intel Core i5-2500T @ 2.30GHz	4647	1007	51.64	$89.99*
Intel Core i5-2510E @ 2.50GHz	3483	1268	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1312	NA	NA
Intel Core i5-2520M @ 2.50GHz	3592	1237	21.18	$169.60*
Intel Core i5-2537M @ 1.40GHz	2064	1760	NA	NA
Intel Core i5-2540M @ 2.60GHz	3781	1189	65.18	$58.02
Intel Core i5-2550K @ 3.40GHz	6672	726	35.12	$190.00*
Intel Core i5-2557M @ 1.70GHz	2694	1519	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1199	NA	NA
Intel Core i5-3210M @ 2.50GHz	3828	1178	56.11	$68.24*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-3230M @ 2.60GHz	3945	1155	18.15	$217.42*
Intel Core i5-3317U @ 1.70GHz	3092	1384	13.74	$225.00*
Intel Core i5-3320M @ 2.60GHz	4132	1118	59.20	$69.81*
Intel Core i5-3330 @ 3.00GHz	5953	797	29.77	$200.00*
Intel Core i5-3330S @ 2.70GHz	5678	829	59.78	$94.99*
Intel Core i5-3335S @ 2.70GHz	5788	814	NA	NA
Intel Core i5-3337U @ 1.80GHz	3229	1336	14.35	$225.00*
Intel Core i5-3339Y @ 1.50GHz	2215	1699	NA	NA
Intel Core i5-3340 @ 3.10GHz	6102	782	20.83	$293.01*
Intel Core i5-3340M @ 2.70GHz	4250	1095	53.17	$79.95*
Intel Core i5-3340S @ 2.80GHz	5846	809	38.98	$149.99*
Intel Core i5-3350P @ 3.10GHz	6155	772	41.04	$149.99*
Intel Core i5-3360M @ 2.80GHz	4437	1058	47.82	$92.81*
Intel Core i5-3380M @ 2.90GHz	4444	1057	NA	NA
Intel Core i5-3427U @ 1.80GHz	3549	1245	8.45	$420.05*
Intel Core i5-3437U @ 1.90GHz	3628	1228	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1438	NA	NA
Intel Core i5-3450 @ 3.10GHz	6534	739	29.80	$219.33*
Intel Core i5-3450S @ 2.80GHz	6233	763	42.99	$145.01*
Intel Core i5-3470 @ 3.20GHz	6727	720	103.51	$64.99
Intel Core i5-3470S @ 2.90GHz	6398	752	49.02	$130.53
Intel Core i5-3470T @ 2.90GHz	4490	1044	14.54	$308.95

Intel Core i5-3475S @ 2.90GHz	6617	732	46.12	$143.50*
Intel Core i5-3550 @ 3.30GHz	6966	693	22.47	$309.99
Intel Core i5-3550S @ 3.00GHz	6916	702	22.87	$302.45
Intel Core i5-3570 @ 3.40GHz	7143	677	89.30	$79.99
Intel Core i5-3570K @ 3.40GHz	7186	674	51.34	$139.99
Intel Core i5-3570S @ 3.10GHz	6729	719	23.61	$285.00*
Intel Core i5-3570T @ 2.30GHz	5914	800	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3929	1160	NA	NA
Intel Core i5-4200H @ 2.80GHz	4461	1052	NA	NA
Intel Core i5-4200M @ 2.50GHz	4038	1133	49.78	$81.12*
Intel Core i5-4200U @ 1.60GHz	3281	1319	NA	NA
Intel Core i5-4200Y @ 1.40GHz	2407	1620	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2262	1678	NA	NA
Intel Core i5-4210H @ 2.90GHz	4532	1036	NA	NA
Intel Core i5-4210M @ 2.60GHz	4209	1103	13.58	$309.95*
Intel Core i5-4210U @ 1.70GHz	3403	1284	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2375	1633	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1655	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1452	NA	NA
Intel Core i5-4250U @ 1.30GHz	3376	1295	9.41	$359.00*
Intel Core i5-4258U @ 2.40GHz	4093	1125	NA	NA
Intel Core i5-4260U @ 1.40GHz	3580	1243	NA	NA
Intel Core i5-4278U @ 2.60GHz	4371	1069	NA	NA
Intel Core i5-4288U @ 2.60GHz	4303	1086	NA	NA
Intel Core i5-4300M @ 2.60GHz	4448	1055	NA	NA
Intel Core i5-4300U @ 1.90GHz	3740	1203	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2502	1587	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-4302Y @ 1.60GHz	2971	1423	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	1101	NA	NA
Intel Core i5-4310M @ 2.70GHz	4655	1005	NA	NA
Intel Core i5-4310U @ 2.00GHz	3782	1188	NA	NA
Intel Core i5-4330M @ 2.80GHz	4551	1031	16.55	$274.99*
Intel Core i5-4340M @ 2.90GHz	4861	971	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1232	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	1033	17.10	$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1153	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1484	10.55	$266.00*
Intel Core i5-4430 @ 3.00GHz	6340	756	39.63	$159.99*
Intel Core i5-4430S @ 2.70GHz	5963	795	37.27	$159.99*
Intel Core i5-4440 @ 3.10GHz	6519	740	13.12	$497.00*
Intel Core i5-4440S @ 2.80GHz	6270	760	13.54	$462.97*

Intel Core i5-4460 @ 3.20GHz	6725	721	32.46	$207.21
Intel Core i5-4460S @ 2.90GHz	6431	747	9.74	$659.99*
Intel Core i5-4460T @ 1.90GHz	4980	947	NA	NA
Intel Core i5-4570 @ 3.20GHz	7156	676	106.44	$67.23
Intel Core i5-4570R @ 2.70GHz	6776	711	NA	NA
Intel Core i5-4570S @ 2.90GHz	6836	706	16.68	$409.95
Intel Core i5-4570T @ 2.90GHz	4816	977	22.94	$209.95
Intel Core i5-4570TE @ 2.70GHz	3827	1179	19.14	$199.99*
Intel Core i5-4590 @ 3.30GHz	7344	659	82.52	$89.00
Intel Core i5-4590S @ 3.00GHz	7077	682	33.53	$211.07*
Intel Core i5-4590T @ 2.00GHz	5628	834	26.81	$209.95*
Intel Core i5-4670 @ 3.40GHz	7475	645	19.67	$379.95
Intel Core i5-4670K @ 3.40GHz	7636	633	25.46	$299.95*
Intel Core i5-4670K CPT @ 3.40GHz	7411	655	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	652	26.88	$276.00*
Intel Core i5-4670S @ 3.10GHz	7399	656	34.74	$213.00*
Intel Core i5-4670T @ 2.30GHz	6155	773	23.76	$259.02*
Intel Core i5-4690 @ 3.50GHz	7690	626	30.32	$253.70
Intel Core i5-4690K @ 3.50GHz	7798	614	29.99	$259.99
Intel Core i5-4690S @ 3.20GHz	7439	650	20.71	$359.21*
Intel Core i5-4690T @ 2.50GHz	6547	737	NA	NA
Intel Core i5-5200U @ 2.20GHz	3497	1266	12.45	$281.00*
Intel Core i5-5250U @ 1.60GHz	3591	1238	8.13	$441.89*
Intel Core i5-5257U @ 2.70GHz	4409	1063	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	998	NA	NA
Intel Core i5-5300U @ 2.30GHz	3842	1175	7.07	$543.39*
Intel Core i5-5350U @ 1.80GHz	3520	1260	NA	NA
Intel Core i5-5575R @ 2.80GHz	7484	644	NA	NA
Intel Core i5-5675C @ 3.10GHz	8135	572	26.25	$309.95*
Intel Core i5-5675R @ 3.10GHz	7991	591	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4149	1116	NA	NA
Intel Core i5-6200U @ 2.30GHz	4010	1137	NA	NA
Intel Core i5-6260U @ 1.80GHz	4361	1072	12.02	$362.97
Intel Core i5-6267U @ 2.90GHz	4888	963	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	990	15.63	$304.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-6300HQ @ 2.30GHz	6097	785	NA	NA
Intel Core i5-6300U @ 2.40GHz	4365	1070	NA	NA
Intel Core i5-6360U @ 2.00GHz	4686	1000	NA	NA
Intel Core i5-6400 @ 2.70GHz	6754	715	29.52	$228.83*
Intel Core i5-6400T @ 2.20GHz	5617	837	21.61	$259.95*

Intel Core i5-6402P @ 2.80GHz	7104	679	37.39	$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6223	765	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6805	708	NA	NA
Intel Core i5-6500 @ 3.20GHz	7249	668	45.06	$160.89
Intel Core i5-6500T @ 2.50GHz	6306	759	43.80	$143.99*
Intel Core i5-6500TE @ 2.30GHz	6580	735	29.87	$220.33
Intel Core i5-6600 @ 3.30GHz	7777	617	29.67	$262.13*
Intel Core i5-6600K @ 3.50GHz	8059	577	30.63	$263.11*
Intel Core i5-6600T @ 2.70GHz	7273	664	24.25	$299.95*
Intel Core i5-7200U @ 2.50GHz	4562	1028	16.24	$281.00*
Intel Core i5-7260U @ 2.20GHz	5637	832	9.40	$600.00
Intel Core i5-7267U @ 3.10GHz	5052	930	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	831	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6717	722	NA	NA
Intel Core i5-7300U @ 2.60GHz	5155	912	10.74	$479.99
Intel Core i5-7360U @ 2.30GHz	5855	806	NA	NA
Intel Core i5-7400 @ 3.00GHz	7235	669	35.17	$205.72
Intel Core i5-7400T @ 2.40GHz	6333	757	29.43	$215.21
Intel Core i5-7440HQ @ 2.80GHz	7626	634	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	5901	802	23.60	$250.00*
Intel Core i5-7500 @ 3.40GHz	7940	597	29.72	$267.18
Intel Core i5-7500T @ 2.70GHz	6938	699	31.01	$223.75
Intel Core i5-7600 @ 3.50GHz	8622	527	36.00	$239.50*
Intel Core i5-7600K @ 3.80GHz	9047	479	28.09	$322.12
Intel Core i5-7600T @ 2.80GHz	7983	593	28.46	$280.55
Intel Core i5-7640X @ 4.00GHz	9461	436	39.43	$239.95*
Intel Core i5-8200Y @ 1.30GHz	4339	1076	14.91	$291.00*
Intel Core i5-8210Y @ 1.60GHz	4227	1099	NA	NA
Intel Core i5-8250U @ 1.60GHz	7646	631	NA	NA
Intel Core i5-8257U @ 1.40GHz	10742	330	33.57	$320.00*
Intel Core i5-8259U @ 2.30GHz	10998	312	10.19	$1,078.95
Intel Core i5-8265U @ 1.60GHz	8010	587	26.97	$297.00*
Intel Core i5-8265UC @ 1.60GHz	7780	616	NA	NA
Intel Core i5-8279U @ 2.40GHz	10623	339	33.20	$320.00*
Intel Core i5-8300H @ 2.30GHz	9472	434	37.89	$250.00*
Intel Core i5-8305G @ 2.80GHz	8947	494	NA	NA
Intel Core i5-8350U @ 1.70GHz	8138	571	27.40	$297.00*
Intel Core i5-8365U @ 1.60GHz	8401	549	28.29	$297.00*
Intel Core i5-8365UE @ 1.60GHz	8010	586	26.97	$297.00*
Intel Core i5-8400 @ 2.80GHz	11568	294	54.06	$213.99
Intel Core i5-8400H @ 2.50GHz	10377	351	41.51	$250.00*
Intel Core i5-8400T @ 1.70GHz	9523	430	50.39	$189.00

Intel Core i5-8500 @ 3.00GHz	11797	287	40.82	$289.00
Intel Core i5-8500B @ 3.00GHz	12756	257	66.44	$192.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i5-8500T @ 2.10GHz	9971	389	42.55	$234.36*
Intel Core i5-8600 @ 3.10GHz	12485	266	39.42	$316.75
Intel Core i5-8600K @ 3.60GHz	12678	261	43.86	$289.10
Intel Core i5-8600T @ 2.30GHz	10981	314	29.92	$366.99*
Intel Core i5-9300H @ 2.40GHz	9891	394	39.57	$250.00*
Intel Core i5-9400 @ 2.90GHz	11964	285	60.12	$199.00
Intel Core i5-9400F @ 2.90GHz	12107	281	83.51	$144.99
Intel Core i5-9400H @ 2.50GHz	11415	295	45.66	$250.00*
Intel Core i5-9400T @ 1.80GHz	9976	388	54.82	$182.00*
Intel Core i5-9500 @ 3.00GHz	12402	267	47.46	$261.31
Intel Core i5-9500F @ 3.00GHz	13068	246	64.69	$202.00*
Intel Core i5-9500T @ 2.20GHz	10657	338	55.51	$192.00*
Intel Core i5-9600 @ 3.10GHz	13931	213	62.19	$224.00*
Intel Core i5-9600K @ 3.70GHz	13481	235	67.41	$199.99
Intel Core i5-9600KF @ 3.70GHz	13703	224	72.13	$189.99*
Intel Core i5-9600T @ 2.30GHz	11706	290	54.96	$213.00*
Intel Core i5-10210U @ 1.60GHz	8561	532	28.83	$297.00*
Intel Core i5-24050S @ 2.50GHz	4928	957	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3738	1204	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1799	NA	NA
Intel Core i7-610E @ 2.53GHz	2544	1567	NA	NA
Intel Core i7-620LM @ 2.00GHz	1954	1808	NA	NA
Intel Core i7-620M @ 2.67GHz	2716	1514	24.69	$110.01
Intel Core i7-620UM @ 1.07GHz	1323	2125	NA	NA
Intel Core i7-640LM @ 2.13GHz	2247	1686	NA	NA
Intel Core i7-640M @ 2.80GHz	2828	1475	14.15	$199.95*
Intel Core i7-640UM @ 1.20GHz	1638	1974	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1909	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1929	NA	NA
Intel Core i7-720QM @ 1.60GHz	3008	1410	8.22	$365.95*
Intel Core i7-740QM @ 1.73GHz	3191	1348	19.95	$159.95*
Intel Core i7-820QM @ 1.73GHz	3220	1340	13.42	$239.95*
Intel Core i7-840QM @ 1.87GHz	3412	1282	11.77	$289.97*
Intel Core i7-860 @ 2.80GHz	5022	938	17.32	$289.95
Intel Core i7-860S @ 2.53GHz	4919	958	24.60	$199.99*
Intel Core i7-870 @ 2.93GHz	5339	884	56.00	$95.35
Intel Core i7-870S @ 2.67GHz	4849	975	NA	NA
Intel Core i7-875K @ 2.93GHz	5413	867	16.88	$320.76*

Intel Core i7-880 @ 3.07GHz	5505	854	9.44	$583.00*
Intel Core i7-920 @ 2.67GHz	4913	960	119.84	$41.00
Intel Core i7-920XM @ 2.00GHz	3727	1206	9.32	$399.95*
Intel Core i7-930 @ 2.80GHz	5131	914	46.65	$109.99
Intel Core i7-940 @ 2.93GHz	5332	886	51.27	$103.99*
Intel Core i7-940XM @ 2.13GHz	3921	1163	NA	NA
Intel Core i7-950 @ 3.07GHz	5539	851	138.53	$39.99
Intel Core i7-960 @ 3.20GHz	5794	813	20.70	$280.00*
Intel Core i7-965 @ 3.20GHz	5850	808	41.79	$139.99*
Intel Core i7-970 @ 3.20GHz	8356	554	16.72	$499.95*
Intel Core i7-975 @ 3.33GHz	6114	779	14.92	$409.92*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-980 @ 3.33GHz	8534	535	42.68	$199.98*
Intel Core i7-980X @ 3.33GHz	8747	517	7.88	$1,109.95*
Intel Core i7-985 @ 3.47GHz	6641	729	NA	NA
Intel Core i7-990X @ 3.47GHz	9055	478	25.87	$349.99*
Intel Core i7-995X @ 3.60GHz	9791	405	NA	NA
Intel Core i7-1065G7 @ 1.30GHz	10823	327	NA	NA
Intel Core i7-2600 @ 3.40GHz	8183	567	77.94	$104.99
Intel Core i7-2600K @ 3.40GHz	8434	546	57.76	$146.02
Intel Core i7-2600S @ 2.80GHz	7093	680	67.48	$105.12
Intel Core i7-2610UE @ 1.50GHz	2481	1597	NA	NA
Intel Core i7-2617M @ 1.50GHz	2812	1481	NA	NA
Intel Core i7-2620M @ 2.70GHz	3842	1174	22.63	$169.81*
Intel Core i7-2630QM @ 2.00GHz	5522	853	53.72	$102.81*
Intel Core i7-2630UM @ 1.60GHz	2584	1551	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5478	859	NA	NA
Intel Core i7-2637M @ 1.70GHz	2900	1454	NA	NA
Intel Core i7-2640M @ 2.80GHz	3924	1162	32.76	$119.81
Intel Core i7-2655LE @ 2.20GHz	3229	1335	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5877	804	42.47	$138.40*
Intel Core i7-2675QM @ 2.20GHz	5546	850	NA	NA
Intel Core i7-2677M @ 1.80GHz	2833	1472	NA	NA
Intel Core i7-2700K @ 3.50GHz	8689	522	28.40	$305.99
Intel Core i7-2710QE @ 2.10GHz	5768	820	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	879	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6104	781	19.75	$309.00*
Intel Core i7-2760QM @ 2.40GHz	6554	736	31.22	$209.95*
Intel Core i7-2820QM @ 2.30GHz	6644	728	34.78	$191.02*
Intel Core i7-2840QM @ 2.40GHz	6766	712	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6949	696	12.85	$541.00*
Intel Core i7-2920XM @ 2.50GHz	6998	688	15.89	$440.44*

Intel Core i7-2960XM @ 2.70GHz	7224	671	17.62	$409.95*
Intel Core i7-3517U @ 1.90GHz	3540	1248	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3150	1366	NA	NA
Intel Core i7-3520M @ 2.90GHz	4546	1034	34.44	$132.02
Intel Core i7-3537U @ 2.00GHz	3810	1185	NA	NA
Intel Core i7-3540M @ 3.00GHz	4669	1002	10.86	$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1145	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6544	738	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7458	648	18.65	$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	723	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6819	707	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	646	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7389	657	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7581	636	31.72	$239.00*
Intel Core i7-3632QM @ 2.20GHz	6927	700	30.92	$224.05*
Intel Core i7-3635QM @ 2.40GHz	6677	725	NA	NA
Intel Core i7-3667U @ 2.00GHz	3975	1144	NA	NA
Intel Core i7-3687U @ 2.10GHz	4136	1117	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1338	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-3720QM @ 2.60GHz	8124	574	22.38	$363.00*
Intel Core i7-3740QM @ 2.70GHz	8299	558	34.59	$239.95*
Intel Core i7-3770 @ 3.40GHz	9277	456	92.77	$100.00
Intel Core i7-3770K @ 3.50GHz	9515	431	45.53	$209.00
Intel Core i7-3770S @ 3.10GHz	8902	498	64.05	$139.00
Intel Core i7-3770T @ 2.50GHz	8204	565	24.86	$329.99*
Intel Core i7-3820 @ 3.60GHz	8987	483	22.47	$399.99
Intel Core i7-3820QM @ 2.70GHz	8404	548	29.49	$285.00*
Intel Core i7-3840QM @ 2.80GHz	8763	514	30.32	$289.05*
Intel Core i7-3920XM @ 2.90GHz	8981	485	8.19	$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11972	284	52.06	$229.99*
Intel Core i7-3940XM @ 3.00GHz	9160	465	17.00	$539.00
Intel Core i7-3960X @ 3.30GHz	12571	264	89.80	$139.99
Intel Core i7-3970X @ 3.50GHz	12695	260	24.90	$509.94*
Intel Core i7-4500U @ 1.80GHz	3786	1187	NA	NA
Intel Core i7-4510U @ 2.00GHz	3916	1165	NA	NA
Intel Core i7-4550U @ 1.50GHz	3676	1222	NA	NA
Intel Core i7-4558U @ 2.80GHz	4401	1064	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	1078	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	985	NA	NA
Intel Core i7-4600M @ 2.90GHz	4907	961	NA	NA

Intel Core i7-4600U @ 2.10GHz	4103	1123	NA	NA
Intel Core i7-4610M @ 3.00GHz	4918	959	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1202	NA	NA
Intel Core i7-4650U @ 1.70GHz	3950	1151	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7203	673	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7734	623	20.19	$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7690	627	40.69	$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7417	653	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7133	678	32.65	$218.45
Intel Core i7-4710HQ @ 2.50GHz	7723	624	20.43	$378.00*
Intel Core i7-4710MQ @ 2.50GHz	7980	594	29.39	$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7532	641	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7206	672	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7990	592	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8093	576	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8202	566	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8793	508	NA	NA
Intel Core i7-4765T @ 2.00GHz	7309	661	18.27	$399.99*
Intel Core i7-4770 @ 3.40GHz	9781	408	63.52	$154.00
Intel Core i7-4770HQ @ 2.20GHz	8961	489	NA	NA
Intel Core i7-4770K @ 3.50GHz	10075	375	29.37	$343.00
Intel Core i7-4770R @ 3.20GHz	9830	403	NA	NA
Intel Core i7-4770S @ 3.10GHz	9348	447	15.32	$610.00
Intel Core i7-4770T @ 2.50GHz	8601	530	21.50	$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	718	NA	NA
Intel Core i7-4771 @ 3.50GHz	9861	401	16.17	$609.99*
Intel Core i7-4785T @ 2.20GHz	7641	632	NA	NA
Intel Core i7-4790 @ 3.60GHz	9989	383	58.76	$169.99
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-4790K @ 4.00GHz	11164	305	39.88	$279.99
Intel Core i7-4790S @ 3.20GHz	9559	427	19.93	$479.63
Intel Core i7-4790T @ 2.70GHz	9074	473	25.21	$359.99*
Intel Core i7-4800MQ @ 2.70GHz	8446	543	41.40	$204.00*
Intel Core i7-4810MQ @ 2.80GHz	8652	525	45.55	$189.95*
Intel Core i7-4820K @ 3.70GHz	9720	415	44.19	$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9056	477	20.87	$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7900	600	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9301	454	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9353	446	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8971	487	15.29	$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9338	448	20.30	$459.95*
Intel Core i7-4930K @ 3.40GHz	13023	247	16.28	$799.97

Intel Core i7-4930MX @ 3.00GHz	9444	441	8.62	$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9776	410	13.77	$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9856	402	15.82	$623.00*
Intel Core i7-4960X @ 3.60GHz	13805	222	17.93	$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10301	357	NA	NA
Intel Core i7-5500U @ 2.40GHz	3980	1143	NA	NA
Intel Core i7-5550U @ 2.00GHz	3851	1173	NA	NA
Intel Core i7-5557U @ 3.10GHz	4953	953	7.03	$705.00*
Intel Core i7-5600U @ 2.60GHz	4327	1079	NA	NA
Intel Core i7-5650U @ 2.20GHz	4242	1097	NA	NA
Intel Core i7-5675C @ 3.10GHz	8164	569	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	563	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8347	556	NA	NA
Intel Core i7-5775C @ 3.30GHz	10851	324	15.81	$686.32*
Intel Core i7-5775R @ 3.30GHz	10879	323	NA	NA
Intel Core i7-5820K @ 3.30GHz	13010	248	56.57	$229.99
Intel Core i7-5850EQ @ 2.70GHz	9817	404	22.57	$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	438	21.80	$434.00*
Intel Core i7-5930K @ 3.50GHz	13663	225	39.15	$349.00
Intel Core i7-5950HQ @ 2.90GHz	10850	325	NA	NA
Intel Core i7-5960X @ 3.00GHz	15987	156	15.33	$1,042.93*
Intel Core i7-6498DU @ 2.50GHz	4470	1049	NA	NA
Intel Core i7-6500U @ 2.50GHz	4419	1059	11.25	$393.00*
Intel Core i7-6560U @ 2.20GHz	4815	978	NA	NA
Intel Core i7-6567U @ 3.30GHz	5582	843	NA	NA
Intel Core i7-6600U @ 2.60GHz	4800	982	NA	NA
Intel Core i7-6650U @ 2.20GHz	4978	948	NA	NA
Intel Core i7-6700 @ 3.40GHz	10003	381	28.59	$349.89
Intel Core i7-6700HQ @ 2.60GHz	8127	573	21.50	$378.00*
Intel Core i7-6700K @ 4.00GHz	11109	306	28.22	$393.73*
Intel Core i7-6700T @ 2.80GHz	9000	482	23.94	$375.99*
Intel Core i7-6700TE @ 2.40GHz	8674	524	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9718	416	9.70	$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13565	230	33.83	$401.01
Intel Core i7-6820EQ @ 2.80GHz	8630	526	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9124	469	24.14	$378.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Core i7-6820HQ @ 2.70GHz	8761	515	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6501	741	NA	NA
Intel Core i7-6850K @ 3.60GHz	14371	199	30.06	$478.00
Intel Core i7-6900K @ 3.20GHz	17613	119	25.27	$697.00

Intel Core i7-6920HQ @ 2.90GHz	9549	429	16.81	$568.00*
Intel Core i7-6950X @ 3.00GHz	19926	81	12.83	$1,553.09
Intel Core i7-7500U @ 2.70GHz	5120	915	NA	NA
Intel Core i7-7560U @ 2.40GHz	5770	819	NA	NA
Intel Core i7-7567U @ 3.50GHz	6465	743	8.28	$780.49
Intel Core i7-7600U @ 2.80GHz	5112	918	NA	NA
Intel Core i7-7660U @ 2.50GHz	5989	793	NA	NA
Intel Core i7-7700 @ 3.60GHz	10686	334	35.62	$299.99
Intel Core i7-7700HQ @ 2.80GHz	8767	513	23.19	$378.00*
Intel Core i7-7700K @ 4.20GHz	11995	282	32.33	$370.99
Intel Core i7-7700T @ 2.90GHz	9311	452	30.13	$309.00*
Intel Core i7-7740X @ 4.30GHz	12219	277	31.74	$385.00
Intel Core i7-7800X @ 3.50GHz	14637	192	28.70	$509.99*
Intel Core i7-7820EQ @ 3.00GHz	9144	467	24.19	$378.00*
Intel Core i7-7820HK @ 2.90GHz	9954	390	26.33	$378.00*
Intel Core i7-7820HQ @ 2.90GHz	9248	457	24.47	$378.00*
Intel Core i7-7820X @ 3.60GHz	18516	104	30.52	$606.75
Intel Core i7-7900X @ 3.30GHz	20474	72	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	9991	382	17.59	$568.00*
Intel Core i7-8086K @ 4.00GHz	16682	133	30.17	$552.96*
Intel Core i7-8500Y @ 1.50GHz	3945	1156	10.04	$393.00*
Intel Core i7-8550U @ 1.80GHz	8248	562	NA	NA
Intel Core i7-8559U @ 2.70GHz	12224	276	21.08	$580.00
Intel Core i7-8565U @ 1.80GHz	8859	505	NA	NA
Intel Core i7-8650U @ 1.90GHz	8691	521	21.20	$409.99
Intel Core i7-8665U @ 1.90GHz	8800	507	21.52	$409.00*
Intel Core i7-8665UE @ 1.70GHz	8731	518	21.35	$409.00*
Intel Core i7-8700 @ 3.20GHz	15136	179	37.01	$408.99
Intel Core i7-8700B @ 3.20GHz	14802	189	48.85	$303.00*
Intel Core i7-8700K @ 3.70GHz	15935	158	44.89	$354.99
Intel Core i7-8700T @ 2.40GHz	12613	262	28.09	$449.00
Intel Core i7-8705G @ 3.10GHz	9882	396	7.01	$1,408.75*
Intel Core i7-8706G @ 3.10GHz	10539	342	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	409	NA	NA
Intel Core i7-8750H @ 2.20GHz	12401	268	31.40	$395.00*
Intel Core i7-8809G @ 3.10GHz	10984	313	NA	NA
Intel Core i7-8850H @ 2.60GHz	12967	249	32.83	$395.00*
Intel Core i7-9700 @ 3.00GHz	15924	159	41.47	$383.99
Intel Core i7-9700F @ 3.00GHz	16407	139	50.50	$324.90
Intel Core i7-9700K @ 3.60GHz	17211	122	50.62	$339.99
Intel Core i7-9700KF @ 3.60GHz	17156	125	47.66	$359.99*
Intel Core i7-9700T @ 2.00GHz	13426	237	41.57	$323.00*

Intel Core i7-9750H @ 2.60GHz	13553	231	34.31	$395.00*
Intel Core i7-9800X @ 3.80GHz	19786	86	32.82	$602.89
Intel Core i7-9850H @ 2.60GHz	14053	210	35.58	$395.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-10510U @ 1.80GHz	9584	426	23.44	$409.00*
Intel Core i7-10710U @ 1.10GHz	12899	250	29.12	$443.00*
Intel Core i9-7900X @ 3.30GHz	21871	58	21.29	$1,027.12*
Intel Core i9-7920X @ 2.90GHz	23295	46	17.30	$1,346.25*
Intel Core i9-7940X @ 3.10GHz	25426	28	27.94	$909.99
Intel Core i9-7960X @ 2.80GHz	26030	23	19.28	$1,349.99*
Intel Core i9-7980XE @ 2.60GHz	27626	19	22.66	$1,219.00
Intel Core i9-8950HK @ 2.90GHz	14221	203	24.39	$583.00*
Intel Core i9-9820X @ 3.30GHz	20948	70	30.81	$679.99
Intel Core i9-9880H @ 2.30GHz	16864	131	30.33	$556.00*
Intel Core i9-9900 @ 3.10GHz	18600	103	38.04	$488.99
Intel Core i9-9900K @ 3.60GHz	20199	79	41.22	$489.99
Intel Core i9-9900KF @ 3.60GHz	20394	76	43.39	$469.98
Intel Core i9-9900KS @ 4.00GHz	21386	65	23.50	$909.99*
Intel Core i9-9900T @ 2.10GHz	15090	180	34.38	$439.00*
Intel Core i9-9900X @ 3.50GHz	22982	48	31.48	$729.99
Intel Core i9-9920X @ 3.50GHz	25170	32	16.67	$1,509.89
Intel Core i9-9940X @ 3.30GHz	27036	20	22.53	$1,199.99
Intel Core i9-9960X @ 3.10GHz	28250	15	21.73	$1,299.99
Intel Core i9-9980HK @ 2.40GHz	17613	118	30.21	$583.00*
Intel Core i9-9980XE @ 3.00GHz	29582	11	13.39	$2,209.40
Intel Core m3-6Y30 @ 0.90GHz	3025	1404	10.77	$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3521	1256	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3318	1310	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3709	1213	13.20	$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3347	1300	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3231	1334	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3470	1272	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2653	1530	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1630	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2821	1477	10.04	$281.00*
Intel Core M-5Y31 @ 0.90GHz	2832	1473	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2508	1583	NA	NA
Intel Core M-5Y70 @ 1.10GHz	2912	1445	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2991	1415	10.65	$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2702	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2695	NA	NA

Intel Core Solo T1400 @ 1.83GHz	470	2613	NA	NA
Intel Core Solo U1300 @ 1.06GHz	270	2859	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2850	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2772	NA	NA
Intel E3000 @ 3.40GHz	2767	1494	NA	NA
Intel Pentium 4 1.40GHz	164	2957	NA	NA
Intel Pentium 4 1.50GHz	131	2974	NA	NA
Intel Pentium 4 1.60GHz	129	2976	NA	NA
Intel Pentium 4 1.70GHz	132	2973	NA	NA
Intel Pentium 4 1.80GHz	161	2960	NA	NA
Intel Pentium 4 1.90GHz	159	2961	NA	NA
Intel Pentium 4 2.00GHz	189	2939	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium 4 2.20GHz	209	2920	NA	NA
Intel Pentium 4 2.26GHz	221	2909	NA	NA
Intel Pentium 4 2.40GHz	228	2903	NA	NA
Intel Pentium 4 2.50GHz	245	2887	NA	NA
Intel Pentium 4 2.53GHz	248	2883	NA	NA
Intel Pentium 4 2.60GHz	288	2829	NA	NA
Intel Pentium 4 2.66GHz	254	2875	NA	NA
Intel Pentium 4 2.80GHz	322	2778	NA	NA
Intel Pentium 4 2.93GHz	293	2820	NA	NA
Intel Pentium 4 3.00GHz	353	2749	NA	NA
Intel Pentium 4 3.06GHz	347	2752	NA	NA
Intel Pentium 4 3.20GHz	373	2723	NA	NA
Intel Pentium 4 3.40GHz	395	2697	NA	NA
Intel Pentium 4 3.46GHz	454	2631	NA	NA
Intel Pentium 4 3.60GHz	486	2597	NA	NA
Intel Pentium 4 3.73GHz	486	2595	NA	NA
Intel Pentium 4 3.80GHz	485	2598	NA	NA
Intel Pentium 4 3.83GHz	195	2933	NA	NA
Intel Pentium 4 4.00GHz	184	2944	NA	NA
Intel Pentium 4 1300MHz	119	2980	NA	NA
Intel Pentium 4 1400MHz	127	2977	NA	NA
Intel Pentium 4 1500MHz	125	2978	NA	NA
Intel Pentium 4 1600MHz	193	2938	0.30	$647.45*
Intel Pentium 4 1700MHz	154	2964	NA	NA
Intel Pentium 4 1800MHz	162	2959	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2967	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2932	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2950	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2921	NA	NA

Intel Pentium 4 Mobile 1.80GHz	175	2953	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2919	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2928	NA	NA
Intel Pentium 5 2.66GHz	705	2471	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2257	8.18	$134.00*
Intel Pentium 967 @ 1.30GHz	1139	2238	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2232	NA	NA
Intel Pentium 987 @ 1.50GHz	1222	2186	NA	NA
Intel Pentium 997 @ 1.60GHz	1395	2084	NA	NA
Intel Pentium 1403 @ 2.60GHz	2742	1505	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1405	NA	NA
Intel Pentium 2020M @ 2.40GHz	2273	1673	16.97	$134.00*
Intel Pentium 2030M @ 2.50GHz	2398	1624	17.90	$134.00*
Intel Pentium 2117U @ 1.80GHz	1655	1968	12.35	$134.00*
Intel Pentium 2127U @ 1.90GHz	1821	1880	13.59	$134.00*
Intel Pentium 2129Y @ 1.10GHz	1062	2277	7.93	$134.00*
Intel Pentium 3550M @ 2.30GHz	2260	1679	NA	NA
Intel Pentium 3556U @ 1.70GHz	1674	1949	NA	NA
Intel Pentium 3558U @ 1.70GHz	1672	1953	NA	NA
Intel Pentium 3560M @ 2.40GHz	2269	1676	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium 3560Y @ 1.20GHz	1266	2164	NA	NA
Intel Pentium 3805U @ 1.90GHz	1965	1801	NA	NA
Intel Pentium 3825U @ 1.90GHz	2508	1582	NA	NA
Intel Pentium 4405U @ 2.10GHz	2929	1439	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2059	1763	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2050	1767	12.73	$161.00*
Intel Pentium 4415U @ 2.30GHz	3150	1367	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2222	1698	13.80	$161.00*
Intel Pentium 4417U @ 2.30GHz	3185	1350	19.79	$161.00*
Intel Pentium 5405U @ 2.30GHz	3186	1349	19.79	$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	1993	NA	NA
Intel Pentium B940 @ 2.00GHz	1727	1916	57.71	$29.94*
Intel Pentium B950 @ 2.10GHz	1715	1925	NA	NA
Intel Pentium B960 @ 2.20GHz	1852	1860	37.81	$48.99*
Intel Pentium B970 @ 2.30GHz	1953	1810	38.30	$50.99*
Intel Pentium B980 @ 2.40GHz	2027	1775	28.98	$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1184	29.56	$129.00*
Intel Pentium D 805 @ 2.66GHz	529	2562	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2504	NA	NA
Intel Pentium D 915 @ 2.80GHz	583	2532	NA	NA

Intel Pentium D 940 @ 3.20GHz	709	2469	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2457	NA	NA
Intel Pentium D 960 @ 3.60GHz	811	2427	NA	NA
Intel Pentium E2140 @ 1.60GHz	871	2393	18.83	$46.25
Intel Pentium E2160 @ 1.80GHz	998	2317	64.36	$15.51
Intel Pentium E2180 @ 2.00GHz	1088	2263	36.28	$29.99
Intel Pentium E2200 @ 2.20GHz	1203	2200	16.04	$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2213	NA	NA
Intel Pentium E2220 @ 2.40GHz	1330	2121	15.48	$85.99*
Intel Pentium E5200 @ 2.50GHz	1486	2049	24.80	$59.95
Intel Pentium E5300 @ 2.60GHz	1540	2019	67.00	$22.99
Intel Pentium E5400 @ 2.70GHz	1597	1998	89.93	$17.76
Intel Pentium E5500 @ 2.80GHz	1635	1977	62.94	$25.99*
Intel Pentium E5700 @ 3.00GHz	1738	1913	115.99	$14.99*
Intel Pentium E5800 @ 3.20GHz	1887	1846	83.88	$22.50
Intel Pentium E6300 @ 2.80GHz	1704	1933	165.49	$10.30*
Intel Pentium E6500 @ 2.93GHz	1765	1897	11.18	$157.95*
Intel Pentium E6600 @ 3.06GHz	1861	1857	18.61	$100.00*
Intel Pentium E6700 @ 3.20GHz	1932	1819	64.44	$29.99
Intel Pentium E6800 @ 3.33GHz	1974	1796	22.19	$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2380	1.20	$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	961	2342	NA	NA
Intel Pentium G620 @ 2.60GHz	2287	1664	91.53	$24.99*
Intel Pentium G620T @ 2.20GHz	2033	1772	25.42	$79.99*
Intel Pentium G630 @ 2.70GHz	2371	1635	23.72	$100.00
Intel Pentium G630T @ 2.30GHz	2089	1746	26.12	$79.99*
Intel Pentium G640 @ 2.80GHz	2519	1577	63.00	$40.00
Intel Pentium G640T @ 2.40GHz	1979	1793	NA	NA
Intel Pentium G645 @ 2.90GHz	2589	1550	30.47	$85.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium G645T @ 2.50GHz	2257	1680	NA	NA
Intel Pentium G840 @ 2.80GHz	2559	1563	73.15	$34.99*
Intel Pentium G850 @ 2.90GHz	2661	1528	89.08	$29.88
Intel Pentium G860 @ 3.00GHz	2737	1507	32.98	$82.99
Intel Pentium G870 @ 3.10GHz	2812	1480	29.00	$97.00*
Intel Pentium G2010 @ 2.80GHz	2599	1547	51.99	$50.00
Intel Pentium G2020 @ 2.90GHz	2753	1502	45.92	$59.95*
Intel Pentium G2020T @ 2.50GHz	2418	1615	50.81	$47.60*
Intel Pentium G2030 @ 3.00GHz	2867	1464	59.75	$48.00
Intel Pentium G2030T @ 2.60GHz	2487	1594	38.86	$64.00*
Intel Pentium G2100T @ 2.60GHz	2763	1499	NA	NA
Intel Pentium G2120 @ 3.10GHz	3079	1390	19.30	$159.55*

Intel Pentium G2130 @ 3.20GHz	3200	1343	64.01	$49.99*
Intel Pentium G2140 @ 3.30GHz	3377	1294	41.18	$82.00
Intel Pentium G3220 @ 3.00GHz	3125	1374	31.85	$98.14
Intel Pentium G3220T @ 2.60GHz	2557	1564	40.60	$62.98*
Intel Pentium G3240 @ 3.10GHz	3153	1363	63.08	$49.99
Intel Pentium G3240T @ 2.70GHz	2840	1468	NA	NA
Intel Pentium G3250 @ 3.20GHz	3241	1331	13.92	$232.84*
Intel Pentium G3250T @ 2.80GHz	2969	1426	33.00	$89.99*
Intel Pentium G3258 @ 3.20GHz	3865	1168	55.24	$69.98
Intel Pentium G3260 @ 3.30GHz	3356	1298	23.98	$139.99*
Intel Pentium G3260T @ 2.90GHz	2930	1437	32.56	$89.99*
Intel Pentium G3320TE @ 2.30GHz	2389	1627	NA	NA
Intel Pentium G3420 @ 3.20GHz	3396	1287	54.30	$62.55
Intel Pentium G3420T @ 2.70GHz	3008	1409	18.80	$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1288	37.74	$89.99*
Intel Pentium G3440 @ 3.30GHz	3319	1309	20.75	$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1381	NA	NA
Intel Pentium G3450 @ 3.40GHz	3695	1216	36.96	$99.99*
Intel Pentium G3450T @ 2.90GHz	2967	1427	NA	NA
Intel Pentium G3460 @ 3.50GHz	3584	1242	12.44	$288.20*
Intel Pentium G3470 @ 3.60GHz	3714	1209	35.62	$104.29*
Intel Pentium G4400 @ 3.30GHz	3540	1249	32.19	$109.97
Intel Pentium G4400T @ 2.90GHz	3163	1358	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1462	45.09	$64.00*
Intel Pentium G4500 @ 3.50GHz	3792	1186	40.35	$93.99
Intel Pentium G4500T @ 3.00GHz	3471	1271	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	1108	38.05	$109.98*
Intel Pentium G4560 @ 3.50GHz	4861	970	45.47	$106.93
Intel Pentium G4560T @ 2.90GHz	3990	1140	36.28	$109.99*
Intel Pentium G4600 @ 3.60GHz	5076	923	31.03	$163.57
Intel Pentium G4600T @ 3.00GHz	4266	1092	24.06	$177.28*
Intel Pentium G4620 @ 3.70GHz	5214	902	45.88	$113.66*
Intel Pentium G6950 @ 2.80GHz	1855	1858	46.41	$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1727	22.72	$94.00*
Intel Pentium G6960 @ 2.93GHz	2059	1764	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5218	900	87.34	$59.75
Intel Pentium Gold G5400T @ 3.10GHz	4884	965	76.31	$64.00*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium Gold G5420 @ 3.80GHz	5468	863	81.40	$67.18
Intel Pentium Gold G5420T @ 3.20GHz	5156	911	80.57	$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5195	904	30.57	$169.94*

Intel Pentium Gold G5500T @ 3.20GHz	4346	1074	57.95	$75.00*
Intel Pentium Gold G5600 @ 3.90GHz	5570	846	47.96	$116.14
Intel Pentium Gold G5600F @ 3.90GHz	5736	825	NA	NA
Intel Pentium III 933S @ 933MHz	238	2895	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2833	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2849	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2794	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2813	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2810	NA	NA
Intel Pentium III Mobile 750MHz	103	2983	NA	NA
Intel Pentium III Mobile 800MHz	182	2947	NA	NA
Intel Pentium III Mobile 866MHz	152	2965	NA	NA
Intel Pentium III Mobile 933MHz	218	2910	7.55	$28.99
Intel Pentium III Mobile 1000MHz	245	2886	NA	NA
Intel Pentium III Mobile 1066MHz	246	2885	NA	NA
Intel Pentium III Mobile 1133MHz	251	2879	NA	NA
Intel Pentium III Mobile 1200MHz	240	2893	NA	NA
Intel Pentium J2850 @ 2.41GHz	1839	1869	NA	NA
Intel Pentium J2900 @ 2.41GHz	1973	1797	NA	NA
Intel Pentium J3710 @ 1.60GHz	1913	1830	NA	NA
Intel Pentium J4205 @ 1.50GHz	2269	1675	NA	NA
Intel Pentium M 1.10GHz	282	2840	NA	NA
Intel Pentium M 1.20GHz	298	2811	NA	NA
Intel Pentium M 1.30GHz	301	2804	NA	NA
Intel Pentium M 1.40GHz	345	2756	NA	NA
Intel Pentium M 1.50GHz	366	2733	NA	NA
Intel Pentium M 1.60GHz	364	2736	NA	NA
Intel Pentium M 1.70GHz	406	2681	NA	NA
Intel Pentium M 1.73GHz	412	2673	NA	NA
Intel Pentium M 1.80GHz	411	2674	NA	NA
Intel Pentium M 1.86GHz	438	2648	NA	NA
Intel Pentium M 2.00GHz	461	2623	NA	NA
Intel Pentium M 2.10GHz	448	2636	NA	NA
Intel Pentium M 2.13GHz	499	2586	NA	NA
Intel Pentium M 2.26GHz	509	2578	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2603	NA	NA
Intel Pentium M 900MHz	217	2914	NA	NA
Intel Pentium M 1000MHz	233	2899	NA	NA
Intel Pentium M 1100MHz	259	2871	NA	NA
Intel Pentium M 1200MHz	237	2896	NA	NA
Intel Pentium M 1300MHz	303	2798	NA	NA
Intel Pentium M 1400MHz	320	2780	NA	NA

Intel Pentium M 1500MHz	354	2746	NA	NA
Intel Pentium M 1600MHz	335	2766	NA	NA
Intel Pentium M 1700MHz	376	2718	NA	NA
Intel Pentium N3510 @ 1.99GHz	1519	2028	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Pentium N3520 @ 2.16GHz	1807	1882	NA	NA
Intel Pentium N3530 @ 2.16GHz	1911	1831	NA	NA
Intel Pentium N3540 @ 2.16GHz	1933	1818	7.71	$250.87*
Intel Pentium N3700 @ 1.60GHz	1836	1870	4.13	$444.78*
Intel Pentium N3710 @ 1.60GHz	1864	1855	NA	NA
Intel Pentium N4200 @ 1.10GHz	2036	1770	8.71	$233.98*
Intel Pentium P6000 @ 1.87GHz	1243	2179	NA	NA
Intel Pentium P6100 @ 2.00GHz	1327	2123	46.67	$28.44*
Intel Pentium P6200 @ 2.13GHz	1351	2110	30.06	$44.95*
Intel Pentium P6300 @ 2.27GHz	1372	2098	NA	NA
Intel Pentium Silver J5005 @ 1.50GHz	2905	1449	14.42	$201.49
Intel Pentium Silver N5000 @ 1.10GHz	2456	1602	15.26	$161.00*
Intel Pentium SU2700 @ 1.30GHz	405	2682	NA	NA
Intel Pentium SU4100 @ 1.30GHz	853	2405	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2409	NA	NA
Intel Pentium T2060 @ 1.60GHz	663	2493	NA	NA
Intel Pentium T2080 @ 1.73GHz	705	2473	4.41	$159.95*
Intel Pentium T2130 @ 1.86GHz	706	2470	NA	NA
Intel Pentium T2310 @ 1.46GHz	735	2459	NA	NA
Intel Pentium T2330 @ 1.60GHz	827	2416	NA	NA
Intel Pentium T2370 @ 1.73GHz	849	2407	24.26	$35.00*
Intel Pentium T2390 @ 1.86GHz	947	2357	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2331	NA	NA
Intel Pentium T3200 @ 2.00GHz	1031	2291	85.96	$12.00*
Intel Pentium T3400 @ 2.16GHz	1114	2245	12.39	$89.95*
Intel Pentium T4200 @ 2.00GHz	1151	2229	95.99	$12.00*
Intel Pentium T4300 @ 2.10GHz	1231	2183	NA	NA
Intel Pentium T4400 @ 2.20GHz	1281	2153	NA	NA
Intel Pentium T4500 @ 2.30GHz	1333	2119	NA	NA
Intel Pentium U5400 @ 1.20GHz	814	2422	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2352	NA	NA
Intel T1200 @ 1.50GHz	435	2654	NA	NA
Intel T1400 @ 1.73GHz	929	2367	NA	NA
Intel T1500 @ 1.86GHz	953	2350	NA	NA
Intel T2050 @ 2.00GHz	959	2346	NA	NA
Intel Xeon 2.00GHz	233	2898	NA	NA

Intel XEON 2.20GHz	252	2877	NA	NA
Intel Xeon 2.40GHz	276	2852	30.35	$9.10*
Intel Xeon 2.66GHz	435	2653	NA	NA
Intel Xeon 2.80GHz	400	2693	NA	NA
Intel Xeon 3.00GHz	391	2706	NA	NA
Intel Xeon 3.06GHz	491	2590	NA	NA
Intel Xeon 3.20GHz	461	2624	NA	NA
Intel Xeon 3.40GHz	478	2606	NA	NA
Intel Xeon 3.60GHz	509	2577	0.60	$851.00*
Intel Xeon 3.73GHz	1041	2287	NA	NA
Intel Xeon 3.80GHz	604	2521	0.71	$851.00*
Intel Xeon 1500MHz	193	2937	NA	NA
Intel Xeon 3040 @ 1.86GHz	1278	2156	51.05	$25.04*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon 3050 @ 2.13GHz	1300	2136	8.23	$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	2029	66.07	$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	2027	72.77	$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1893	4.36	$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1868	5.26	$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	2008	NA	NA
Intel Xeon 5110 @ 1.60GHz	1084	2267	30.99	$35.00*
Intel Xeon 5120 @ 1.86GHz	1248	2178	0.77	$1,619.99*
Intel Xeon 5130 @ 2.00GHz	1366	2100	27.90	$48.99*
Intel Xeon 5133 @ 2.20GHz	1598	1996	NA	NA
Intel Xeon 5140 @ 2.33GHz	1636	1975	65.49	$24.99*
Intel Xeon 5148 @ 2.33GHz	1590	2002	121.17	$13.13*
Intel Xeon 5150 @ 2.66GHz	1740	1911	12.44	$139.95*
Intel Xeon 5160 @ 3.00GHz	1956	1805	39.13	$49.99
Intel Xeon @ 2.00GHz	11327	299	NA	NA
Intel Xeon @ 2.20GHz	1902	1835	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5632	833	24.49	$229.98*
Intel Xeon Bronze 3106 @ 1.70GHz	6890	703	19.34	$356.27*
Intel Xeon D-1518 @ 2.20GHz	5322	889	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	822	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	690	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	564	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9643	421	27.71	$348.00*
Intel Xeon D-1537 @ 1.70GHz	8445	544	14.79	$571.00*
Intel Xeon D-1539 @ 1.60GHz	8443	545	17.37	$486.00*
Intel Xeon D-1540 @ 2.00GHz	10740	331	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11083	308	NA	NA
Intel Xeon D-1548 @ 2.00GHz	10679	335	19.24	$555.00*

Intel Xeon D-1557 @ 1.50GHz	10950	317	15.78	$694.00*
Intel Xeon D-1559 @ 1.50GHz	8055	578	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	196	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	211	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8150	570	38.26	$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	254	23.13	$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	221	24.41	$566.00*
Intel Xeon D-2146NT @ 2.30GHz	10968	315	17.11	$641.00*
Intel Xeon D-2183IT @ 2.20GHz	19381	96	10.99	$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6253	761	130.28	$48.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6737	717	114.29	$58.95
Intel Xeon E3-1220 v3 @ 3.10GHz	7183	675	53.61	$133.99
Intel Xeon E3-1220 v5 @ 3.00GHz	7772	618	29.17	$266.46*
Intel Xeon E3-1220 v6 @ 3.00GHz	7752	621	33.33	$232.63
Intel Xeon E3-1220L @ 2.20GHz	3606	1233	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	1060	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2070	1756	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	6101	783	95.36	$63.99
Intel Xeon E3-1225 V2 @ 3.20GHz	6976	692	101.10	$69.00
Intel Xeon E3-1225 v3 @ 3.20GHz	7249	667	53.31	$135.99
Intel Xeon E3-1225 v5 @ 3.30GHz	7826	610	25.16	$311.08
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E3-1225 v6 @ 3.30GHz	7958	596	29.99	$265.43
Intel Xeon E3-1226 v3 @ 3.30GHz	7581	637	12.74	$595.00*
Intel Xeon E3-1230 @ 3.20GHz	7851	606	81.79	$95.99
Intel Xeon E3-1230 V2 @ 3.30GHz	8869	504	113.72	$78.00
Intel Xeon E3-1230 v3 @ 3.30GHz	9327	449	43.38	$215.00
Intel Xeon E3-1230 v5 @ 3.40GHz	9746	412	23.65	$412.18*
Intel Xeon E3-1230 v6 @ 3.50GHz	9784	407	36.38	$269.00
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	670	25.12	$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9632	424	18.89	$509.95
Intel Xeon E3-1235 @ 3.20GHz	7759	620	31.80	$244.00*
Intel Xeon E3-1235L v5 @ 2.00GHz	6462	744	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7975	595	81.39	$97.99
Intel Xeon E3-1240 V2 @ 3.40GHz	9155	466	72.71	$125.92
Intel Xeon E3-1240 v3 @ 3.40GHz	9677	418	25.18	$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10317	354	30.20	$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10472	348	35.14	$298.00
Intel Xeon E3-1240L v3 @ 2.00GHz	7486	643	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	615	28.03	$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10022	378	27.09	$369.99*

Intel Xeon E3-1245 @ 3.30GHz	8041	579	75.88	$105.99
Intel Xeon E3-1245 V2 @ 3.40GHz	9130	468	58.16	$156.99
Intel Xeon E3-1245 v3 @ 3.40GHz	9591	425	37.61	$255.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10169	366	29.45	$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10533	344	31.39	$335.58
Intel Xeon E3-1246 v3 @ 3.50GHz	9864	399	24.12	$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6240	762	111.40	$56.02
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	362	13.88	$736.16*
Intel Xeon E3-1265L @ 2.40GHz	5961	796	6.49	$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7455	649	50.37	$148.00
Intel Xeon E3-1265L v3 @ 2.50GHz	9204	464	12.97	$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	476	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	607	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	520	19.05	$456.54*
Intel Xeon E3-1270 @ 3.40GHz	8254	560	26.21	$315.00
Intel Xeon E3-1270 V2 @ 3.50GHz	9469	435	49.84	$189.99
Intel Xeon E3-1270 v3 @ 3.50GHz	9923	391	49.62	$199.99
Intel Xeon E3-1270 v5 @ 3.60GHz	10279	359	22.61	$454.66
Intel Xeon E3-1270 v6 @ 3.80GHz	11171	304	29.64	$376.94
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	333	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10117	371	11.39	$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8111	575	26.68	$304.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9435	442	23.91	$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	10048	376	25.06	$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10353	352	27.28	$379.52*
Intel Xeon E3-1275 v6 @ 3.80GHz	11028	310	27.18	$405.69
Intel Xeon E3-1275L v3 @ 2.70GHz	8901	499	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10209	364	9.51	$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8416	547	25.34	$332.20
Intel Xeon E3-1280 V2 @ 3.60GHz	9445	439	26.24	$360.00
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E3-1280 v3 @ 3.60GHz	9746	411	21.71	$449.00*
Intel Xeon E3-1280 v5 @ 3.70GHz	10621	340	15.39	$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11041	309	24.72	$446.68
Intel Xeon E3-1281 v3 @ 3.70GHz	10031	377	11.43	$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10458	349	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	347	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11992	283	18.58	$645.40
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	386	12.35	$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10961	316	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	393	11.80	$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	433	12.27	$774.00*

Intel Xeon E3-1290 @ 3.60GHz	8768	512	9.91	$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9653	420	10.91	$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	754	NA	NA
Intel Xeon E3-1505L v6 @ 2.20GHz	7887	602	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8956	492	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9670	419	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10016	380	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9306	453	14.94	$623.00*
Intel Xeon E3-1535M v6 @ 3.10GHz	10538	343	16.92	$623.00*
Intel Xeon E3-1545M v5 @ 2.90GHz	10313	355	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10616	341	8.80	$1,207.00*
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	329	19.42	$556.00*
Intel Xeon E3-1585L v5 @ 3.00GHz	10135	368	22.78	$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7265	666	148.31	$48.99*
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	651	NA	NA
Intel Xeon E5-1428L v2 @ 2.20GHz	8679	523	17.57	$494.00*
Intel Xeon E5-1603 @ 2.80GHz	5578	844	279.36	$19.97*
Intel Xeon E5-1603 v3 @ 2.80GHz	6208	768	62.09	$99.99*
Intel Xeon E5-1603 v4 @ 2.80GHz	6454	746	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5871	805	210.09	$27.95*
Intel Xeon E5-1607 v2 @ 3.00GHz	6217	766	177.91	$34.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	7029	686	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7270	665	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9068	474	139.51	$65.00*
Intel Xeon E5-1620 v2 @ 3.70GHz	9500	432	161.05	$58.99
Intel Xeon E5-1620 v3 @ 3.50GHz	9744	413	76.20	$127.88*
Intel Xeon E5-1620 v4 @ 3.50GHz	9903	392	25.92	$382.13
Intel Xeon E5-1630 v3 @ 3.70GHz	10228	361	21.40	$477.99
Intel Xeon E5-1630 v4 @ 3.70GHz	10310	356	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11735	289	23.71	$495.00*
Intel Xeon E5-1650 v2 @ 3.50GHz	12750	258	115.98	$109.94*
Intel Xeon E5-1650 v3 @ 3.50GHz	13626	227	106.61	$127.81
Intel Xeon E5-1650 v4 @ 3.60GHz	14218	205	27.99	$508.00*
Intel Xeon E5-1660 @ 3.30GHz	12247	275	9.98	$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13919	215	49.36	$281.99*
Intel Xeon E5-1660 v3 @ 3.00GHz	14656	191	9.07	$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16203	149	13.18	$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16250	148	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-1680 v3 @ 3.20GHz	16317	144	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	17063	126	NA	NA

Intel Xeon E5-1681 v3 @ 2.90GHz	18238	110	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1255	73.80	$47.75*
Intel Xeon E5-2403 v2 @ 1.80GHz	3590	1240	161.73	$22.20
Intel Xeon E5-2407 @ 2.20GHz	4188	1106	49.32	$84.92*
Intel Xeon E5-2407 v2 @ 2.40GHz	4724	994	13.13	$359.95
Intel Xeon E5-2418L @ 2.00GHz	5202	903	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7063	684	18.11	$390.02*
Intel Xeon E5-2420 v2 @ 2.20GHz	8750	516	210.51	$41.57
Intel Xeon E5-2430 @ 2.20GHz	7695	625	76.10	$101.12*
Intel Xeon E5-2430 v2 @ 2.50GHz	9061	475	90.61	$100.00*
Intel Xeon E5-2430L @ 2.00GHz	7834	609	242.71	$32.28*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	731	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9221	462	230.59	$39.99
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	455	18.22	$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	493	6.29	$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10332	353	172.26	$59.98*
Intel Xeon E5-2450L @ 1.80GHz	8261	559	63.55	$130.00*
Intel Xeon E5-2470 @ 2.30GHz	10896	320	85.13	$128.00*
Intel Xeon E5-2470 v2 @ 2.40GHz	11268	302	52.26	$215.64*
Intel Xeon E5-2603 @ 1.80GHz	3591	1239	75.05	$47.85*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1194	39.37	$95.67
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	907	77.05	$67.23
Intel Xeon E5-2603 v4 @ 1.70GHz	5504	855	21.17	$260.00*
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	605	17.82	$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4610	1018	164.90	$27.96
Intel Xeon E5-2609 v2 @ 2.50GHz	5160	910	166.51	$30.99
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	801	55.66	$106.03*
Intel Xeon E5-2609 v4 @ 1.70GHz	6925	701	19.25	$359.73*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	279	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14572	193	18.71	$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7905	599	272.69	$28.99
Intel Xeon E5-2620 v2 @ 2.10GHz	8600	531	215.07	$39.99
Intel Xeon E5-2620 v3 @ 2.40GHz	9986	384	118.89	$84.00
Intel Xeon E5-2620 v4 @ 2.10GHz	11324	300	28.38	$399.00
Intel Xeon E5-2623 v3 @ 3.00GHz	8987	484	13.85	$649.00*
Intel Xeon E5-2623 v4 @ 2.60GHz	8506	538	15.50	$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	444	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	271	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	245	9.61	$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	311	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8928	496	223.54	$39.94*
Intel Xeon E5-2630 v2 @ 2.60GHz	10378	350	236.20	$43.94

Intel Xeon E5-2630 v3 @ 2.40GHz	12797	255	128.04	$99.95
Intel Xeon E5-2630 v4 @ 2.20GHz	13913	217	24.89	$559.00
Intel Xeon E5-2630L @ 2.00GHz	8041	580	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9088	472	232.44	$39.10*
Intel Xeon E5-2630L v3 @ 1.80GHz	9727	414	28.62	$339.95*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	253	NA	NA
Intel Xeon E5-2637 @ 3.00GHz	4508	1040	5.09	$885.00*
Intel Xeon E5-2637 v2 @ 3.50GHz	9224	461	63.62	$145.00
Intel Xeon E5-2637 v3 @ 3.50GHz	10117	370	53.25	$190.00
Intel Xeon E5-2637 v4 @ 3.50GHz	10512	346	4.76	$2,208.95*
Intel Xeon E5-2640 @ 2.50GHz	9420	443	96.89	$97.23
Intel Xeon E5-2640 v2 @ 2.00GHz	10213	363	64.00	$159.60
Intel Xeon E5-2640 v3 @ 2.60GHz	13864	220	102.70	$135.00*
Intel Xeon E5-2640 v4 @ 2.40GHz	15420	173	16.76	$920.27*
Intel Xeon E5-2643 @ 3.30GHz	8452	541	143.33	$58.97
Intel Xeon E5-2643 v2 @ 3.50GHz	13121	243	86.12	$152.36
Intel Xeon E5-2643 v3 @ 3.40GHz	13887	218	53.41	$259.99
Intel Xeon E5-2643 v4 @ 3.40GHz	13475	236	7.48	$1,801.96
Intel Xeon E5-2648L @ 1.80GHz	6698	724	NA	NA
Intel Xeon E5-2648L v2 @ 1.90GHz	11381	297	7.70	$1,479.00*
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	296	7.30	$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	226	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	190	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10265	360	235.98	$43.50
Intel Xeon E5-2650 v2 @ 2.60GHz	13244	240	151.21	$87.59
Intel Xeon E5-2650 v3 @ 2.30GHz	14883	187	125.07	$119.00
Intel Xeon E5-2650 v4 @ 2.20GHz	15867	162	15.73	$1,009.00*
Intel Xeon E5-2650L @ 1.80GHz	8483	540	63.69	$133.20
Intel Xeon E5-2650L v2 @ 1.70GHz	9880	397	72.38	$136.51
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	233	58.19	$232.22*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	209	9.42	$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11302	301	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9632	423	6.59	$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	13874	219	77.09	$179.99*
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	146	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	17275	121	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11255	303	85.39	$131.82*
Intel Xeon E5-2660 v2 @ 2.20GHz	13142	242	61.73	$212.89*
Intel Xeon E5-2660 v3 @ 2.60GHz	16429	138	51.35	$319.95
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	130	11.25	$1,499.99*

Intel Xeon E5-2663 v3 @ 2.80GHz	13994	212	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11746	288	114.75	$102.37*
Intel Xeon E5-2667 @ 2.90GHz	10670	336	206.39	$51.70*
Intel Xeon E5-2667 v2 @ 3.30GHz	16165	150	48.98	$330.00*
Intel Xeon E5-2667 v3 @ 3.20GHz	16011	155	44.48	$359.99*
Intel Xeon E5-2667 v4 @ 3.20GHz	16631	135	8.53	$1,949.03*
Intel Xeon E5-2670 @ 2.60GHz	12371	269	90.90	$136.10
Intel Xeon E5-2670 v2 @ 2.50GHz	15021	182	71.87	$209.00
Intel Xeon E5-2670 v3 @ 2.30GHz	16765	132	108.17	$154.99
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	143	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16401	140	23.43	$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21458	61	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15137	178	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	116	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-2678 v3 @ 2.50GHz	16993	127	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	31	9.35	$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12888	251	173.42	$74.32
Intel Xeon E5-2680 v2 @ 2.80GHz	15890	161	90.80	$175.00
Intel Xeon E5-2680 v3 @ 2.50GHz	18465	106	99.82	$184.99
Intel Xeon E5-2680 v4 @ 2.40GHz	19864	83	13.16	$1,509.00*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	75	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17325	120	33.97	$509.99*
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	100	8.62	$2,208.93*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	183	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	98	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	85	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14341	201	69.28	$207.00
Intel Xeon E5-2687W v2 @ 3.40GHz	16343	142	48.79	$335.00
Intel Xeon E5-2687W v3 @ 3.10GHz	17795	114	30.16	$589.99
Intel Xeon E5-2687W v4 @ 3.00GHz	19863	84	9.13	$2,174.99*
Intel Xeon E5-2689 @ 2.60GHz	13267	239	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	88	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13726	223	150.33	$91.31
Intel Xeon E5-2690 v2 @ 3.00GHz	16391	141	60.13	$272.58*
Intel Xeon E5-2690 v3 @ 2.60GHz	19286	97	75.63	$255.00
Intel Xeon E5-2690 v4 @ 2.60GHz	21167	67	9.75	$2,169.99*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	154	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	16041	152	61.94	$258.99
Intel Xeon E5-2695 v3 @ 2.30GHz	19710	90	40.23	$489.99*
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	77	3.49	$5,808.00*
Intel Xeon E5-2696 v2 @ 2.50GHz	16920	129	NA	NA

Intel Xeon E5-2696 v3 @ 2.30GHz	22172	52	8.88	$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	66	7.05	$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17176	123	55.59	$309.00
Intel Xeon E5-2697 v3 @ 2.60GHz	21425	64	44.12	$485.60
Intel Xeon E5-2697 v4 @ 2.30GHz	21435	63	7.02	$3,054.99*
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	50	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21042	68	28.47	$739.00
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	59	6.02	$3,629.59*
Intel Xeon E5-2699 v3 @ 2.30GHz	22340	51	18.48	$1,209.00
Intel Xeon E5-2699 v4 @ 2.20GHz	23435	45	5.53	$4,239.00
Intel Xeon E5-4603 @ 2.00GHz	5014	942	89.27	$56.17*
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	460	NA	NA
Intel Xeon E5-4610 @ 2.40GHz	9552	428	7.81	$1,223.00*
Intel Xeon E5-4610 v3 @ 1.70GHz	8853	506	7.26	$1,219.00*
Intel Xeon E5-4617 @ 2.90GHz	9313	451	103.59	$89.90*
Intel Xeon E5-4620 @ 2.20GHz	9248	458	68.91	$134.21*
Intel Xeon E5-4627 v2 @ 3.30GHz	12511	265	24.58	$508.95*
Intel Xeon E5-4627 v3 @ 2.60GHz	14489	195	6.04	$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	171	6.97	$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10807	328	3.96	$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	259	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	307	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E5-4650 @ 2.70GHz	11685	292	166.96	$69.99*
Intel Xeon E5-4650L @ 2.60GHz	12145	280	161.98	$74.98
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	272	2.66	$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	160	11.36	$1,399.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	163	3.30	$4,800.00*
Intel Xeon E5-4669 v3 @ 2.10GHz	19615	94	3.63	$5,400.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	228	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1376	1.75	$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2159	1719	93.93	$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1612	247.99	$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1690	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	2082	148.77	$9.42*
Intel Xeon E5240 @ 3.00GHz	2424	1613	27.31	$88.78*
Intel Xeon E5310 @ 1.60GHz	2214	1701	45.19	$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1663	59.05	$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1581	141.45	$17.77*
Intel Xeon E5345 @ 2.33GHz	2886	1461	72.17	$39.99*
Intel Xeon E5405 @ 2.00GHz	2835	1471	70.97	$39.95*

Intel Xeon E5410 @ 2.33GHz	3259	1323	15.60	$208.95*
Intel Xeon E5420 @ 2.50GHz	3482	1270	55.31	$62.95*
Intel Xeon E5430 @ 2.66GHz	3751	1200	33.80	$110.99*
Intel Xeon E5440 @ 2.83GHz	3955	1149	39.96	$99.00*
Intel Xeon E5450 @ 3.00GHz	4179	1109	13.98	$298.94*
Intel Xeon E5462 @ 2.80GHz	3872	1166	141.84	$27.30*
Intel Xeon E5472 @ 3.00GHz	4085	1126	136.02	$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	2095	14.51	$95.00*
Intel Xeon E5503 @ 2.00GHz	1381	2092	4.81	$287.01*
Intel Xeon E5504 @ 2.00GHz	2680	1522	38.32	$69.95*
Intel Xeon E5506 @ 2.13GHz	2974	1422	47.21	$63.01*
Intel Xeon E5507 @ 2.27GHz	3125	1373	6.84	$456.91*
Intel Xeon E5520 @ 2.27GHz	4380	1067	306.99	$14.27*
Intel Xeon E5530 @ 2.40GHz	4494	1043	345.72	$13.00*
Intel Xeon E5540 @ 2.53GHz	4747	993	80.46	$59.00*
Intel Xeon E5603 @ 1.60GHz	2364	1639	18.32	$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1399	18.29	$167.00*
Intel Xeon E5607 @ 2.27GHz	3371	1296	48.71	$69.21*
Intel Xeon E5620 @ 2.40GHz	4770	986	80.87	$58.99*
Intel Xeon E5630 @ 2.53GHz	5055	929	144.43	$35.00*
Intel Xeon E5640 @ 2.67GHz	5250	895	187.60	$27.99*
Intel Xeon E5645 @ 2.40GHz	6422	749	78.99	$81.31*
Intel Xeon E5649 @ 2.53GHz	6869	705	66.01	$104.07*
Intel Xeon E7320 @ 2.13GHz	2413	1617	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	611	40.54	$193.00*
Intel Xeon E-2124 @ 3.30GHz	9444	440	42.93	$219.99*
Intel Xeon E-2124G @ 3.40GHz	9891	395	38.04	$260.00*
Intel Xeon E-2126G @ 3.30GHz	13583	229	45.28	$299.99*
Intel Xeon E-2134 @ 3.50GHz	10882	322	38.53	$282.43
Intel Xeon E-2136 @ 3.30GHz	15793	165	48.68	$324.46*
Intel Xeon E-2144G @ 3.60GHz	11381	298	32.34	$351.90*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon E-2146G @ 3.50GHz	15620	168	44.00	$354.99*
Intel Xeon E-2174G @ 3.80GHz	12278	274	30.47	$402.99*
Intel Xeon E-2176G @ 3.70GHz	15592	169	34.83	$447.61*
Intel Xeon E-2176M @ 2.70GHz	13549	232	30.11	$450.00*
Intel Xeon E-2186G @ 3.80GHz	15838	164	30.17	$524.99*
Intel Xeon E-2186M @ 2.90GHz	14526	194	23.32	$623.00*
Intel Xeon E-2224 @ 3.40GHz	10096	373	50.99	$198.00*
Intel Xeon E-2224G @ 3.50GHz	9863	400	45.24	$218.00*
Intel Xeon E-2226G @ 3.40GHz	12887	252	49.57	$260.00*
Intel Xeon E-2236 @ 3.40GHz	15781	166	54.61	$289.00*

Intel Xeon E-2244G @ 3.80GHz	12782	256	46.99	$272.00*
Intel Xeon E-2246G @ 3.60GHz	16023	153	51.52	$311.00*
Intel Xeon E-2274G @ 4.00GHz	12595	263	37.71	$334.00*
Intel Xeon E-2276G @ 3.80GHz	14143	207	39.07	$362.00*
Intel Xeon E-2276M @ 2.80GHz	14422	197	32.05	$450.00*
Intel Xeon E-2278G @ 3.40GHz	17670	115	35.77	$494.00*
Intel Xeon E-2278GEL @ 2.00GHz	13914	216	28.17	$494.00*
Intel Xeon E-2286G @ 4.00GHz	16270	147	36.16	$450.00*
Intel Xeon E-2286M @ 2.40GHz	18314	108	29.40	$623.00*
Intel Xeon E-2288G @ 3.70GHz	19666	92	36.49	$539.00*
Intel Xeon Gold 5117 @ 2.00GHz	16672	134	NA	NA
Intel Xeon Gold 5118 @ 2.30GHz	16435	137	15.21	$1,080.87*
Intel Xeon Gold 5120 @ 2.20GHz	18253	109	11.69	$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	112	10.51	$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	10896	321	8.38	$1,299.95
Intel Xeon Gold 5218 @ 2.30GHz	22576	49	15.43	$1,462.78
Intel Xeon Gold 6126 @ 2.60GHz	19711	89	10.43	$1,889.97*
Intel Xeon Gold 6128 @ 3.40GHz	14941	185	8.49	$1,759.75*
Intel Xeon Gold 6130 @ 2.10GHz	19643	93	10.12	$1,940.99
Intel Xeon Gold 6132 @ 2.60GHz	23907	41	10.87	$2,199.90*
Intel Xeon Gold 6134 @ 3.20GHz	18206	111	8.02	$2,269.95
Intel Xeon Gold 6136 @ 3.00GHz	21034	69	8.05	$2,613.59*
Intel Xeon Gold 6137 @ 3.90GHz	20443	74	NA	NA
Intel Xeon Gold 6138 @ 2.00GHz	25774	25	9.55	$2,698.95*
Intel Xeon Gold 6140 @ 2.30GHz	23964	40	9.82	$2,439.99*
Intel Xeon Gold 6144 @ 3.50GHz	19667	91	6.72	$2,925.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	33	5.46	$4,608.95*
Intel Xeon Gold 6148 @ 2.40GHz	25817	24	8.83	$2,925.00*
Intel Xeon Gold 6152 @ 2.10GHz	23498	43	6.10	$3,854.89
Intel Xeon Gold 6154 @ 3.00GHz	27722	18	7.45	$3,718.95
Intel Xeon Gold 6210U @ 2.50GHz	28560	14	13.87	$2,059.86*
Intel Xeon Gold 6212U @ 2.40GHz	28060	17	14.03	$2,000.00*
Intel Xeon Gold 6230 @ 2.10GHz	24600	34	11.69	$2,104.95*
Intel Xeon Gold 6242 @ 2.80GHz	25313	29	9.52	$2,659.46
Intel Xeon Gold 6246 @ 3.30GHz	25734	27	7.83	$3,286.00*
Intel Xeon Gold 6254 @ 3.10GHz	30018	10	8.09	$3,709.00
Intel Xeon L3110 @ 3.00GHz	2273	1672	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1195	42.18	$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	2117	4.83	$277.01*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon L3426 @ 1.87GHz	3943	1157	8.82	$447.01*

Intel Xeon L5238 @ 2.66GHz	1823	1879	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1674	72.33	$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1669	20.22	$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1726	30.52	$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1501	146.68	$18.79*
Intel Xeon L5408 @ 2.13GHz	3014	1406	NA	NA
Intel Xeon L5410 @ 2.33GHz	3358	1297	33.56	$100.08*
Intel Xeon L5420 @ 2.50GHz	3501	1265	127.32	$27.50*
Intel Xeon L5430 @ 2.66GHz	3712	1210	23.51	$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1208	16.59	$224.00*
Intel Xeon L5520 @ 2.27GHz	4324	1081	337.35	$12.82*
Intel Xeon L5530 @ 2.40GHz	4389	1066	227.93	$19.26*
Intel Xeon L5630 @ 2.13GHz	4338	1077	206.69	$20.99*
Intel Xeon L5638 @ 2.00GHz	5622	835	80.43	$69.90*
Intel Xeon L5639 @ 2.13GHz	6869	704	NA	NA
Intel Xeon L5640 @ 2.27GHz	6232	764	74.77	$83.36*
Intel Xeon L7455 @ 2.13GHz	3836	1176	NA	NA
Intel Xeon MV 3.20GHz	683	2485	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26835	21	NA	NA
Intel Xeon Platinum 8151 @ 3.40GHz	6947	697	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	29131	12	4.95	$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	13	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	16	NA	NA
Intel Xeon Platinum 8176 @ 2.10GHz	24434	39	2.80	$8,725.00*
Intel Xeon Silver 4108 @ 1.80GHz	10704	332	20.99	$509.95*
Intel Xeon Silver 4109T @ 2.00GHz	10946	318	21.85	$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11657	293	25.68	$454.01
Intel Xeon Silver 4112 @ 2.60GHz	8611	529	16.75	$513.99*
Intel Xeon Silver 4114 @ 2.20GHz	14278	202	24.79	$575.89
Intel Xeon Silver 4116 @ 2.10GHz	15509	172	17.15	$904.25*
Intel Xeon Silver 4123 @ 3.00GHz	15185	177	NA	NA
Intel Xeon Silver 4208 @ 2.10GHz	13116	244	21.54	$608.95
Intel Xeon Silver 4210 @ 2.20GHz	15974	157	27.12	$589.00*
Intel Xeon Silver 4214 @ 2.20GHz	17630	117	22.35	$788.99
Intel Xeon Silver 4215 @ 2.50GHz	15200	176	16.17	$939.95
Intel Xeon Silver 4216 @ 2.10GHz	19538	95	20.10	$972.00
Intel Xeon W3503 @ 2.40GHz	1757	1902	175.90	$9.99*
Intel Xeon W3505 @ 2.53GHz	1844	1865	74.18	$24.86*
Intel Xeon W3520 @ 2.67GHz	4940	954	102.93	$48.00*
Intel Xeon W3530 @ 2.80GHz	5217	901	17.75	$293.95*
Intel Xeon W3540 @ 2.93GHz	5399	873	271.06	$19.92*
Intel Xeon W3550 @ 3.07GHz	5566	847	185.61	$29.99*

Intel Xeon W3565 @ 3.20GHz	5775	817	288.94	$19.99*
Intel Xeon W3570 @ 3.20GHz	6047	790	12.60	$479.95*
Intel Xeon W3580 @ 3.33GHz	6183	770	28.83	$214.50*
Intel Xeon W3670 @ 3.20GHz	8021	584	16.04	$499.99*
Intel Xeon W3680 @ 3.33GHz	8906	497	55.68	$159.95*
Intel Xeon W3690 @ 3.47GHz	8968	488	45.99	$195.01*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon W5580 @ 3.20GHz	5836	811	54.53	$107.03*
Intel Xeon W5590 @ 3.33GHz	6088	787	2.43	$2,508.95*
Intel Xeon W-2102 @ 2.90GHz	6981	689	29.70	$235.05*
Intel Xeon W-2104 @ 3.20GHz	7551	640	29.61	$255.00*
Intel Xeon W-2123 @ 3.60GHz	10663	337	33.43	$318.99
Intel Xeon W-2125 @ 4.00GHz	12325	270	25.25	$488.10*
Intel Xeon W-2133 @ 3.60GHz	14382	198	23.31	$617.00*
Intel Xeon W-2135 @ 3.70GHz	16299	145	18.18	$896.60*
Intel Xeon W-2140B @ 3.20GHz	18620	102	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19770	87	16.63	$1,188.75*
Intel Xeon W-2150B @ 3.00GHz	21451	62	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21917	57	14.32	$1,530.39*
Intel Xeon W-2170B @ 2.50GHz	24561	36	NA	NA
Intel Xeon W-2175 @ 2.50GHz	24454	38	11.79	$2,073.34*
Intel Xeon W-2195 @ 2.30GHz	24481	37	7.04	$3,478.65
Intel Xeon W-3175X @ 3.10GHz	33538	4	10.73	$3,125.65
Intel Xeon W-3235 @ 3.30GHz	25759	26	15.75	$1,635.77*
Intel Xeon W-3265 @ 2.70GHz	31691	7	6.96	$4,551.37*
Intel Xeon X3210 @ 2.13GHz	2740	1506	14.76	$185.71*
Intel Xeon X3220 @ 2.40GHz	3088	1385	51.35	$60.15*
Intel Xeon X3230 @ 2.66GHz	3397	1286	47.51	$71.50*
Intel Xeon X3320 @ 2.50GHz	3306	1314	14.41	$229.50*
Intel Xeon X3323 @ 2.50GHz	3178	1352	164.16	$19.36*
Intel Xeon X3330 @ 2.66GHz	3340	1305	15.91	$210.00*
Intel Xeon X3350 @ 2.66GHz	3820	1181	63.69	$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1172	52.43	$73.50*
Intel Xeon X3360 @ 2.83GHz	3925	1161	24.85	$157.95*
Intel Xeon X3363 @ 2.83GHz	3982	1142	116.84	$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	1088	11.70	$367.02*
Intel Xeon X3380 @ 3.16GHz	4600	1021	9.02	$509.95*
Intel Xeon X3430 @ 2.40GHz	3344	1303	104.55	$31.99*
Intel Xeon X3440 @ 2.53GHz	4509	1039	31.77	$141.96*
Intel Xeon X3450 @ 2.67GHz	4748	991	59.39	$79.95*
Intel Xeon X3460 @ 2.80GHz	5147	913	14.42	$357.00*

Intel Xeon X3470 @ 2.93GHz	5335	885	33.36	$159.95*
Intel Xeon X3480 @ 3.07GHz	5658	830	NA	NA
Intel Xeon X5260 @ 3.33GHz	2455	1603	45.47	$54.00*
Intel Xeon X5270 @ 3.50GHz	2553	1566	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1626	17.10	$140.00*
Intel Xeon X5355 @ 2.66GHz	3170	1355	10.23	$309.95*
Intel Xeon X5365 @ 3.00GHz	3524	1254	45.19	$77.99*
Intel Xeon X5450 @ 3.00GHz	4106	1122	68.49	$59.96*
Intel Xeon X5460 @ 3.16GHz	4323	1082	43.33	$99.78*
Intel Xeon X5470 @ 3.33GHz	4577	1027	24.22	$189.00*
Intel Xeon X5472 @ 3.00GHz	4001	1138	17.78	$225.00*
Intel Xeon X5482 @ 3.20GHz	4528	1037	45.29	$99.99*
Intel Xeon X5492 @ 3.40GHz	4865	968	3.50	$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5270	892	17.29	$304.85*
Intel Xeon X5560 @ 2.80GHz	5405	870	159.04	$33.99*
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Intel Xeon X5570 @ 2.93GHz	5615	838	23.40	$239.95*
Intel Xeon X5647 @ 2.93GHz	5797	812	290.91	$19.93*
Intel Xeon X5650 @ 2.67GHz	7290	663	105.01	$69.43*
Intel Xeon X5660 @ 2.80GHz	7589	635	120.11	$63.19*
Intel Xeon X5667 @ 3.07GHz	6198	769	265.70	$23.33*
Intel Xeon X5670 @ 2.93GHz	7807	613	177.65	$43.95
Intel Xeon X5672 @ 3.20GHz	6461	745	143.61	$44.99*
Intel Xeon X5675 @ 3.07GHz	7993	590	150.84	$52.99
Intel Xeon X5677 @ 3.47GHz	6755	714	79.47	$85.00*
Intel Xeon X5679 @ 3.20GHz	8958	490	NA	NA
Intel Xeon X5680 @ 3.33GHz	8354	555	126.08	$66.26
Intel Xeon X5687 @ 3.60GHz	6962	694	174.63	$39.87
Intel Xeon X5690 @ 3.47GHz	8788	509	74.48	$118.00
Intel Xeon X5698 @ 4.40GHz	4272	1090	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1420	NA	NA
Mobile AMD Athlon 4	314	2788	3.62	$86.99*
Mobile AMD Athlon 4 2400+	358	2743	NA	NA
Mobile AMD Athlon 64 2700+	398	2694	NA	NA
Mobile AMD Athlon 64 2800+	440	2645	NA	NA
Mobile AMD Athlon 64 3000+	450	2633	NA	NA
Mobile AMD Athlon 64 3200+	448	2637	NA	NA
Mobile AMD Athlon 64 3400+	511	2576	NA	NA
Mobile AMD Athlon 64 3700+	435	2655	NA	NA
Mobile AMD Athlon 64 4000+	576	2537	NA	NA
Mobile AMD Athlon 1400+	266	2863	NA	NA
Mobile AMD Athlon 2500+	370	2727	NA	NA

Mobile AMD Athlon MP-M 1800+	265	2864	NA	NA
Mobile AMD Athlon MP-M 2000+	378	2717	NA	NA
Mobile AMD Athlon MP-M 2400+	295	2817	NA	NA
Mobile AMD Athlon MP-M 2800+	496	2588	NA	NA
Mobile AMD Athlon XP	572	2541	45.81	$12.49
Mobile AMD Athlon XP-M	512	2575	NA	NA
Mobile AMD Athlon XP-M 1400+	184	2945	NA	NA
Mobile AMD Athlon XP-M 1500+	261	2867	NA	NA
Mobile AMD Athlon XP-M 1600+	260	2869	NA	NA
Mobile AMD Athlon XP-M 1700+	323	2776	NA	NA
Mobile AMD Athlon XP-M 1800+	297	2812	NA	NA
Mobile AMD Athlon XP-M 1900+	342	2760	NA	NA
Mobile AMD Athlon XP-M 2000+	300	2806	NA	NA
Mobile AMD Athlon XP-M 2200+	364	2737	NA	NA
Mobile AMD Athlon XP-M 2400+	346	2755	NA	NA
Mobile AMD Athlon XP-M 2500+	346	2753	NA	NA
Mobile AMD Athlon XP-M 2600+	370	2726	NA	NA
Mobile AMD Athlon XP-M 2800+	365	2735	NA	NA
Mobile AMD Athlon XP-M 3000+	365	2734	NA	NA
Mobile AMD Athlon XP-M 3100+	440	2646	NA	NA
Mobile AMD Athlon XP-M 3200+	487	2594	NA	NA
Mobile AMD Athlon XP-M (LV)	508	2579	NA	NA
Mobile AMD Athlon XP-M (LV) 1500+	288	2825	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Mobile AMD Athlon XP-M (LV) 1600+	296	2816	NA	NA
Mobile AMD Athlon XP-M (LV) 2000+	335	2765	NA	NA
Mobile AMD Athlon XP-M (LV) 2200+	373	2724	NA	NA
Mobile AMD Athlon XP-M (LV) 2800+	475	2610	NA	NA
Mobile AMD Athlon XP-M (LV) 3200+	505	2582	NA	NA
Mobile AMD Sempron 2100+	252	2878	NA	NA
Mobile AMD Sempron 2600+	394	2700	NA	NA
Mobile AMD Sempron 2800+	364	2738	NA	NA
Mobile AMD Sempron 3000+	389	2711	NA	NA
Mobile AMD Sempron 3100+	416	2668	NA	NA
Mobile AMD Sempron 3200+	354	2747	NA	NA
Mobile AMD Sempron 3300+	446	2641	NA	NA
Mobile AMD Sempron 3400+	441	2644	NA	NA
Mobile AMD Sempron 3500+	408	2677	NA	NA
Mobile AMD Sempron 3600+	427	2662	NA	NA
Mobile AMD Sempron 3800+	485	2599	NA	NA
Mobile Intel Celeron 1.20GHz	170	2956	NA	NA

Mobile Intel Celeron 1.50GHz	188	2940	NA	NA
Mobile Intel Celeron 1.60GHz	188	2941	NA	NA
Mobile Intel Celeron 1.70GHz	181	2949	NA	NA
Mobile Intel Celeron 1.80GHz	186	2943	NA	NA
Mobile Intel Celeron 2.00GHz	204	2925	NA	NA
Mobile Intel Celeron 2.20GHz	226	2905	NA	NA
Mobile Intel Celeron 2.40GHz	236	2897	NA	NA
Mobile Intel Celeron 2.50GHz	281	2844	NA	NA
Mobile Intel Celeron 1200MHz	294	2818	NA	NA
Mobile Intel Celeron 1333MHz	280	2846	NA	NA
Mobile Intel Pentium 4 2.30GHz	278	2851	6.38	$43.56*
Mobile Intel Pentium 4 2.40GHz	264	2866	NA	NA
Mobile Intel Pentium 4 2.66GHz	279	2848	NA	NA
Mobile Intel Pentium 4 2.80GHz	315	2786	NA	NA
Mobile Intel Pentium 4 3.06GHz	337	2762	NA	NA
Mobile Intel Pentium 4 3.20GHz	356	2744	NA	NA
Mobile Intel Pentium 4 3.33GHz	439	2647	NA	NA
Mobile Intel Pentium 4 3.46GHz	478	2607	NA	NA
Mobile Intel Pentium 4 - M 1.60GHz	195	2934	NA	NA
Mobile Intel Pentium 4 - M 1.70GHz	173	2955	1.10	$157.81
Mobile Intel Pentium 4 - M 1.80GHz	175	2952	NA	NA
Mobile Intel Pentium 4 - M 1.90GHz	232	2900	NA	NA
Mobile Intel Pentium 4 - M 2.00GHz	202	2929	NA	NA
Mobile Intel Pentium 4 - M 2.20GHz	198	2931	NA	NA
Mobile Intel Pentium 4 - M 2.40GHz	213	2915	NA	NA
Mobile Intel Pentium 4 - M 2.50GHz	256	2873	NA	NA
Mobile Intel Pentium 4 - M 2.60GHz	313	2790	NA	NA
Mobile Intel Pentium III - M 866MHz	211	2918	NA	NA
Mobile Intel Pentium III - M 933MHz	200	2930	NA	NA
Mobile Intel Pentium III - M 1000MHz	250	2881	NA	NA
Mobile Intel Pentium III - M 1133MHz	289	2823	NA	NA
Mobile Intel Pentium III - M 1200MHz	224	2906	NA	NA
CPU Name	**Passmark CPU Mark (higher is better)**	**Rank (lower is better)**	**CPU Value (higher is better)**	**Price (USD)**
Mobile Intel Pentium III - M 1333MHz	289	2824	NA	NA
Pentium Dual-Core E6000 @ 3.46GHz	2501	1588	NA	NA
Quad-Core AMD Opteron 1385	3442	1278	63.75	$54.00*
Quad-Core AMD Opteron 1389	3446	1277	NA	NA
Six-Core AMD Opteron 2419 EE	2925	1441	NA	NA
VIA C3 Ezra	100	2984	NA	NA
VIA C7 1500MHz	284	2835	NA	NA
VIA C7-D 1500MHz	287	2831	NA	NA
VIA C7-D 1800MHz	203	2926	NA	NA

VIA C7-D 2000MHz	368	2730	NA	NA
VIA C7-M 1000MHz	164	2958	NA	NA
VIA C7-M 1200MHz	140	2971	NA	NA
VIA C7-M 1600MHz	178	2951	NA	NA
VIA C7-M 6300MHz	222	2908	NA	NA
VIA Eden 800MHz	155	2962	NA	NA
VIA Eden 1000MHz	123	2979	NA	NA
VIA Eden 1200MHz	142	2970	NA	NA
VIA Eden C1050@1.06GHz	352	2750	NA	NA
VIA Eden X2 U4200 @ 1.0+ GHz	499	2585	NA	NA
VIA Eden X4 C4250 @ 1.2+GHz	1262	2166	NA	NA
VIA Esther 1000MHz	146	2969	NA	NA
VIA Esther 1300MHz	250	2880	NA	NA
VIA Esther 1500MHz	195	2935	NA	NA
VIA Esther 2000MHz	394	2699	NA	NA
VIA Nano L1900@1400MHz	457	2627	NA	NA
VIA Nano L2007@1600MHz	369	2728	NA	NA
VIA Nano L2100@1800MHz	428	2660	NA	NA
VIA Nano L2207@1600MHz	296	2814	NA	NA
VIA Nano L3025@1600MHz	517	2572	NA	NA
VIA Nano L3050@1800MHz	581	2534	NA	NA
VIA Nano L3600@2000MHz	645	2501	NA	NA
VIA Nano U2250 (1.6GHz Capable)	415	2669	NA	NA
VIA Nano U2250@1300+MHz	274	2855	NA	NA
VIA Nano U2500@1200MHz	306	2797	NA	NA
VIA Nano U3100 (1.6GHz Capable)	501	2583	NA	NA
VIA Nano U3300@1200MHz	409	2676	NA	NA
VIA Nano U3500@1000MHz	275	2853	NA	NA
VIA Nano X2 U4025 @ 1.2 GHz	605	2519	NA	NA
VIA Nehemiah	155	2963	NA	NA
VIA QuadCore C4650@2.0GHz	1897	1837	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	2104	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2214	NA	NA
VIA Samuel 2	79	2986	NA	NA
ZHAOXIN KaiXian KX-U6780A@2.7GHz	5760	821	NA	NA
ZHAOXIN KaiXian ZX-C+ C4700@2.0GHz	2069	1757	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	15.34	$844.36
[Dual CPU] AMD EPYC 7261	12430	216	8.18	$1,519.54
[Dual CPU] AMD EPYC 7281	13293	205	10.67	$1,246.32
[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	13.99	$2,069.34
[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	5.33	$6,299.12
[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	117.09	$89.98
[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	20.88	$513.18
[Dual CPU] AMD Opteron 6328	12013	229	16.73	$718.00
[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	80.40	$130.00
[Dual CPU] AMD Opteron 6378	9145	286	24.07	$380.00
[Dual CPU] AMD Opteron 6380	14200	188	120.34	$118.00
[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	19.41	$459.96*
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	141.98	$44.40
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	340	43.00	$169.84*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	289	12.53	$719.90
[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	207	65.37	$202.24*
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13763	192	68.82	$200.00*
[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	77.83	$194.08
[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	144	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	34.08	$191.34
[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	145.96	$55.92
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	9021	288	145.55	$61.98
[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	13219	208	165.28	$79.98
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15266	176	90.87	$168.00
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16453	162	20.62	$798.00
[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	18449	147	92.29	$199.90
[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	15882	170	54.77	$290.00
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16395	163	43.14	$380.00
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	16703	161	3.78	$4,417.90*
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14644	183	75.31	$194.46
[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	115.88	$117.94
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	20680	118	67.87	$304.72
[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	5.98	$3,603.92
[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	85.27	$238.00
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20809	115	10.31	$2,018.00*
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	13621	198	51.13	$266.40
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14004	189	51.29	$273.02
[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	16383	164	62.14	$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	17003	157	83.05	$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	18158	148	66.71	$272.20
[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	63	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	18572	143	124.95	$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	24195	79	65.40	$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	20790	116	50.22	$414.00
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23351	85	34.85	$670.00
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24293	78	20.59	$1,179.98
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26649	61	6.13	$4,349.98*
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	19280	136	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	25703	68	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19643	129	107.56	$182.62
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23598	81	43.29	$545.16*
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25787	67	50.56	$510.00
[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	28.20	$971.20
[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	19.16	$1,478.00
[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	26542	62	10.98	$2,418.00
[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	91.64	$149.96
[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	177	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	4164	423	53.73	$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	7083	347	129.73	$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	5408	393	5.92	$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7299	341	255.75	$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	7980	320	67.64	$117.98*
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8329	310	118.99	$70.00*
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8666	301	154.81	$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	10.55	$2,161.74*
[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	6.72	$2,599.90
[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	7.19	$2,657.06
[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	64	6.79	$3,881.98
[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	5.43	$4,539.90
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	4.30	$7,709.78
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	37168	15	5.00	$7,437.90
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	24959	72	4.63	$5,395.82
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	33019	28	6.21	$5,318.92
[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	4.18	$8,954.10
[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	41159	6	5.55	$7,418.00
[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	278	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9676	277	58.04	$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	39589	9	3.36	$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	4.42	$8,651.00
[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	18.52	$908.02
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	19328	135	16.78	$1,151.78
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	21435	108	11.85	$1,808.50*
[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	16.10	$1,577.98
[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	5729	382	9.24	$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	8166	314	40.83	$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8672	300	3.12	$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8749	297	14.35	$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	9563	280	239.91	$39.86*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11231	240	80.88	$138.86*
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11637	234	92.08	$126.38*
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10289	260	220.51	$46.66*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12081	225	137.44	$87.90
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10320	259	114.69	$89.98*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12448	214	117.46	$105.98
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11163	244	65.66	$170.00*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13428	203	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13343	204	100.69	$132.52
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11736	232	147.18	$79.74
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13651	196	57.84	$236.00
[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	241	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	58.28	$179.96
[Quad CPU] AMD Opteron 6276	15342	175	22.70	$676.00
[Quad CPU] AMD Opteron 6278	12055	226	24.31	$495.80

[Quad CPU] AMD Opteron 6282 SE	11044	245	4.31	$2,560.00
[Quad CPU] AMD Opteron 6376	13257	206	50.99	$260.00
[Quad CPU] AMD Opteron 6378	20859	113	27.45	$760.00
[Quad CPU] AMD Opteron 6380	12442	215	52.72	$236.00
[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	61.87	$299.92
[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	279	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	5.03	$5,199.80
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	21	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	8	2.65	$15,419.56

[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

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