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CPU Benchmarks

Over 1,000,000 CPUs Benchmarked

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.

 Find CPU

Single CPU Systems

CPUS

High End

[High Mid Range](#)[Low Mid Range](#)[Low End](#)

Best Value (On Market)

[Best Value XY Scatter](#)[Best Value \(All time\)](#)

New Desktop

[New Laptop](#)

Single Thread

[Systems with Multiple CPUs](#)[Overclocked](#)

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
686 Gen	288	2864	NA	NA
AMD A4 Micro-6400T APU	1551	2052	NA	NA
AMD A4 PRO-3340B	2402	1654	NA	NA
AMD A4 PRO-7300B APU	2353	1676	NA	NA
AMD A4 PRO-7350B	2227	1727	NA	NA
AMD A4-1200 APU	632	2544	NA	NA
AMD A4-1250 APU	622	2551	NA	NA
AMD A4-3300 APU	1502	2077	115.70	\$12.99
AMD A4-3300M APU	1186	2244	39.57	\$29.99*
AMD A4-3305M APU	1228	2220	39.87	\$30.81
AMD A4-3310MX APU	1286	2183	NA	NA
AMD A4-3320M APU	1253	2207	33.98	\$36.90

Power Performance	AMD A4-3330MX APU	1218	2225	NA	NA
	AMD A4-3400 APU	1593	2036	18.12	\$87.95
CPU Mark by Socket Type	AMD A4-3420 APU	1664	1997	NA	NA
	AMD A4-4000 APU	1826	1910	14.24	\$128.27*
CPU Mega List Search Model	AMD A4-4020 APU	1909	1866	23.00	\$83.00
	AMD A4-4300M APU	1614	2024	40.52	\$39.86
Compare ⁰	AMD A4-4355M APU	1177	2247	NA	NA
	AMD A4-5000 APU	1923	1858	NA	NA
Common Most Benchmarked	AMD A4-5050 APU	2124	1767	NA	NA
	AMD A4-5100 APU	2060	1795	NA	NA
AMD vs Intel Market Share	AMD A4-5150M APU	1864	1891	NA	NA
	AMD A4-5300 APU	2023	1811	18.34	\$110.32
Year on Year Performance	AMD A4-5300B APU	2149	1755	56.56	\$38.00*
	AMD A4-6210 APU	2172	1745	NA	NA
	AMD A4-6250J APU	2537	1605	NA	NA
	AMD A4-6300 APU	2229	1725	48.94	\$45.55*
	AMD A4-6300B APU	2159	1753	21.59	\$100.00*
	AMD A4-6320 APU	2329	1678	33.29	\$69.99*
	AMD A4-7210 APU	2526	1609	NA	NA
	AMD A4-7300 APU	2313	1686	20.65	\$112.00
	AMD A4-9120	1956	1844	NA	NA
	AMD A4-9120C	1539	2055	NA	NA
	AMD A4-9125	1985	1825	NA	NA
	AMD A6 Micro-6500T APU	1834	1905	NA	NA
	AMD A6 PRO-7050B APU	1616	2023	NA	NA
	AMD A6 PRO-7400B	2621	1572	NA	NA
	AMD A6-1450 APU	1539	2057	NA	NA
	AMD A6-3400M APU	1886	1882	62.95	\$29.97*
	AMD A6-3410MX APU	2050	1798	514.02	\$3.99*
	AMD A6-3420M APU	2004	1817	NA	NA
	AMD A6-3430MX APU	2200	1739	NA	NA
	AMD A6-3500 APU	2031	1806	50.79	\$39.99*

AMD A6-3600 APU	2707	1549	117.76	\$22.99*
AMD A6-3620 APU	2792	1517	46.55	\$59.99*
AMD A6-3650 APU	3141	1401	98.19	\$31.99*
AMD A6-3670 APU	3164	1389	5.19	\$610.00*
AMD A6-4400M APU	1644	2009	205.82	\$7.99*
AMD A6-4455M APU	1284	2186	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	2438	1643	NA	NA
AMD A6-5345M APU	1476	2089	NA	NA
AMD A6-5350M APU	1907	1867	44.25	\$43.12
AMD A6-5357M APU	1961	1840	NA	NA
AMD A6-5400B APU	2237	1722	21.30	\$105.04*
AMD A6-5400K APU	2164	1749	34.91	\$62.02
AMD A6-6310 APU	2469	1632	NA	NA
AMD A6-6400B APU	2281	1700	NA	NA
AMD A6-6400K APU	2317	1682	32.65	\$70.97*
AMD A6-6420B APU	2612	1574	NA	NA
AMD A6-6420K APU	2373	1667	15.82	\$149.99*
AMD A6-7000	1667	1993	NA	NA
AMD A6-7310 APU	2678	1555	NA	NA
AMD A6-7400K APU	2782	1522	25.60	\$108.70
AMD A6-7470K	2739	1539	22.72	\$120.56
AMD A6-7480	3096	1413	70.38	\$43.99*
AMD A6-8500P	2202	1738	NA	NA
AMD A6-8550	3032	1434	NA	NA
AMD A6-9200	1747	1945	NA	NA
AMD A6-9210	1755	1941	NA	NA
AMD A6-9220	2160	1752	NA	NA
AMD A6-9220C	1962	1839	NA	NA
AMD A6-9220e	1586	2039	NA	NA
AMD A6-9225	2112	1770	NA	NA

AMD A6-9230	2102	1775	NA	NA
AMD A6-9500	3032	1435	53.73	\$56.44
AMD A6-9500E	2889	1490	26.94	\$107.23*
AMD A8 PRO-7150B APU	2655	1561	NA	NA
AMD A8 PRO-7600B APU	4744	1023	NA	NA
AMD A8-3500M APU	1984	1826	28.37	\$69.95
AMD A8-3510MX APU	2410	1652	NA	NA
AMD A8-3520M APU	2169	1746	NA	NA
AMD A8-3530MX APU	2354	1674	NA	NA
AMD A8-3550MX APU	2610	1576	NA	NA
AMD A8-3800 APU	3004	1443	52.72	\$56.99*
AMD A8-3820 APU	3102	1411	24.82	\$124.99*
AMD A8-3850 APU	3458	1305	32.73	\$105.68*
AMD A8-3870K APU	3533	1284	23.61	\$149.67*
AMD A8-4500M APU	2666	1559	NA	NA
AMD A8-4555M APU	2123	1768	NA	NA
AMD A8-5500 APU	4000	1169	70.80	\$56.50*
AMD A8-5500B APU	4043	1161	NA	NA
AMD A8-5545M APU	2587	1583	NA	NA
AMD A8-5550M APU	3001	1445	NA	NA
AMD A8-5557M APU	2956	1459	NA	NA
AMD A8-5600K APU	4344	1104	18.95	\$229.30
AMD A8-6410 APU	2578	1587	NA	NA
AMD A8-6500 APU	4397	1094	46.29	\$94.99*
AMD A8-6500B APU	4630	1039	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	1353	NA	NA
AMD A8-6600K APU	4592	1051	47.35	\$96.99*
AMD A8-7050	1824	1912	NA	NA
AMD A8-7100 APU	2798	1515	NA	NA
AMD A8-7200P	3338	1339	NA	NA

<u>AMD A8-7410 APU</u>	2753	1535	NA	NA
<u>AMD A8-7600 APU</u>	5058	955	<u>34.42</u>	<u>\$146.94*</u>
<u>AMD A8-7650K</u>	4923	989	<u>21.41</u>	<u>\$230.00*</u>
<u>AMD A8-7670K</u>	5089	948	<u>31.59</u>	<u>\$161.10*</u>
<u>AMD A8-7680</u>	5343	910	<u>89.07</u>	<u>\$59.99*</u>
<u>AMD A8-8600P</u>	3248	1360	NA	NA
<u>AMD A8-8650</u>	5465	888	NA	NA
<u>AMD A8-9600</u>	4964	979	<u>68.92</u>	<u>\$72.04</u>
<u>AMD A9-9400</u>	2306	1690	NA	NA
<u>AMD A9-9410</u>	2533	1607	NA	NA
<u>AMD A9-9420</u>	2344	1677	NA	NA
<u>AMD A9-9420e</u>	1794	1924	NA	NA
<u>AMD A9-9425</u>	2445	1642	NA	NA
<u>AMD A9-9430</u>	2547	1600	NA	NA
<u>AMD A10 Micro-6700T APU</u>	1970	1833	NA	NA
<u>AMD A10 PRO-7350B APU</u>	3152	1397	NA	NA
<u>AMD A10 PRO-7800B APU</u>	4935	984	NA	NA
<u>AMD A10 PRO-7850B APU</u>	5380	903	NA	NA
<u>AMD A10-4600M APU</u>	3117	1408	<u>28.36</u>	<u>\$109.95*</u>
<u>AMD A10-4655M APU</u>	2606	1577	NA	NA
<u>AMD A10-4657M APU</u>	2906	1479	NA	NA
<u>AMD A10-5700 APU</u>	4214	1131	<u>65.35</u>	<u>\$64.50*</u>
<u>AMD A10-5745M APU</u>	2768	1526	NA	NA
<u>AMD A10-5750M APU</u>	3343	1336	NA	NA
<u>AMD A10-5757M APU</u>	3084	1420	NA	NA
<u>AMD A10-5800B APU</u>	4606	1046	NA	NA
<u>AMD A10-5800K APU</u>	4649	1033	<u>31.00</u>	<u>\$149.99*</u>
<u>AMD A10-6700 APU</u>	4603	1047	<u>39.35</u>	<u>\$116.99*</u>
<u>AMD A10-6700T APU</u>	3711	1244	<u>25.15</u>	<u>\$147.61*</u>
<u>AMD A10-6790K APU</u>	4718	1025	<u>49.68</u>	<u>\$94.99*</u>
<u>AMD A10-6800B APU</u>	4822	1006	NA	NA
<u>AMD A10-6800K APU</u>	4862	999	<u>55.40</u>	<u>\$87.76*</u>

AMD A10-7300 APU	2901	1486	NA	NA
AMD A10-7400P	3606	1264	NA	NA
AMD A10-7700K APU	5118	945	40.79	\$125.47*
AMD A10-7800 APU	4974	978	48.11	\$103.39*
AMD A10-7850K APU	5465	889	32.66	\$167.33*
AMD A10-7860K	5036	962	28.78	\$175.00*
AMD A10-7870K	5476	885	24.13	\$226.99*
AMD A10-7890K	5700	852	28.50	\$199.99*
AMD A10-8700P	3436	1310	NA	NA
AMD A10-8750	5030	964	NA	NA
AMD A10-8850	5604	864	NA	NA
AMD A10-9600P	3763	1225	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A10-9620P	3675	1252	NA	NA
AMD A10-9630P	4474	1077	NA	NA
AMD A10-9700	5388	902	61.00	\$88.34
AMD A10-9700E	4727	1024	30.68	\$154.10*
AMD A12-9700P	3719	1239	NA	NA
AMD A12-9720P	3983	1171	NA	NA
AMD A12-9730P	4417	1090	NA	NA
AMD A12-9800	5589	867	37.70	\$148.24*
AMD A12-9800E	5031	963	32.46	\$154.99*
AMD Athlon64 X2 Dual Core 4600+	1108	2289	NA	NA
AMD Athlon 4	279	2884	3.50	\$79.99
AMD Athlon 64 2000+	177	2989	NA	NA
AMD Athlon 64 2200+	575	2576	NA	NA
AMD Athlon 64 2600+	374	2758	NA	NA
AMD Athlon 64 2800+	438	2686	4.38	\$99.99*
AMD Athlon 64 3000+	464	2657	6.19	\$74.95
AMD Athlon 64 3200+	494	2626	3.30	\$149.95*
AMD Athlon 64 3300+	576	2575	NA	NA

<u>AMD Athlon 64 3400+</u>	545	2586	NA	NA
<u>AMD Athlon 64 3500+</u>	541	2592	<u>4.97</u>	<u>\$108.95*</u>
<u>AMD Athlon 64 3600+</u>	601	2560	NA	NA
<u>AMD Athlon 64 3700+</u>	598	2561	<u>8.67</u>	<u>\$69.00*</u>
<u>AMD Athlon 64 3800+</u>	589	2565	<u>5.36</u>	<u>\$109.95</u>
<u>AMD Athlon 64 4000+</u>	608	2555	<u>3.32</u>	<u>\$183.27*</u>
<u>AMD Athlon 64 FX-25</u>	794	2472	NA	NA
<u>AMD Athlon 64 FX-34</u>	380	2751	NA	NA
<u>AMD Athlon 64 FX-51</u>	437	2688	NA	NA
<u>AMD Athlon 64 FX-53</u>	646	2537	<u>21.57</u>	<u>\$29.99*</u>
<u>AMD Athlon 64 FX-55</u>	721	2501	<u>4.01</u>	<u>\$179.95*</u>
<u>AMD Athlon 64 FX-57</u>	740	2496	NA	NA
<u>AMD Athlon 64 FX-59</u>	715	2504	NA	NA
<u>AMD Athlon 64 FX-60 Dual Core</u>	1282	2188	NA	NA
<u>AMD Athlon 64 FX-62 Dual Core</u>	1573	2042	NA	NA
<u>AMD Athlon 64 FX-72</u>	1794	1923	NA	NA
<u>AMD Athlon 64 FX-74</u>	1495	2081	<u>2.99</u>	<u>\$499.50*</u>
<u>AMD Athlon 64 X2 3800+</u>	958	2385	NA	NA
<u>AMD Athlon 64 X2 4200+</u>	1285	2184	<u>4.16</u>	<u>\$308.95*</u>
<u>AMD Athlon 64 X2 Dual Core 3400+</u>	994	2357	NA	NA
<u>AMD Athlon 64 X2 Dual Core 3600+</u>	962	2379	<u>16.03</u>	<u>\$60.00</u>
<u>AMD Athlon 64 X2 Dual Core 3800+</u>	1000	2351	NA	NA
<u>AMD Athlon 64 X2 Dual Core 4000+</u>	1045	2322	NA	NA
<u>AMD Athlon 64 X2 Dual Core 4200+</u>	1097	2292	<u>5.35</u>	<u>\$204.95*</u>
<u>AMD Athlon 64 X2 Dual Core 4400+</u>	1145	2271	<u>19.10</u>	<u>\$59.99</u>
<u>AMD Athlon 64 X2 Dual Core 4600+</u>	1220	2224	<u>3.39</u>	<u>\$359.95*</u>
<u>AMD Athlon 64 X2 Dual Core 4800+</u>	1254	2206	<u>2.73</u>	<u>\$459.95*</u>
<u>AMD Athlon 64 X2 Dual Core 5000+</u>	1314	2163	<u>3.96</u>	<u>\$331.49*</u>
<u>AMD Athlon 64 X2 Dual Core 5200+</u>	1382	2128	<u>23.03</u>	<u>\$60.00*</u>
<u>AMD Athlon 64 X2 Dual Core 5400+</u>	1451	2099	<u>27.38</u>	<u>\$52.99*</u>
<u>AMD Athlon 64 X2 Dual Core 5600+</u>	1485	2085	<u>8.25</u>	<u>\$179.95*</u>
CPU Name	Passmark CPU Mark	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

(higher is better)				
<u>AMD Athlon 64 X2 Dual Core 5800+</u>	1516	2068	60.68	\$24.99*
<u>AMD Athlon 64 X2 Dual Core 6000+</u>	1602	2030	34.88	\$45.95
<u>AMD Athlon 64 X2 Dual Core 6400+</u>	1784	1928	6.87	\$259.95*
<u>AMD Athlon 64 X2 Dual Core BE-230</u>	1095	2295	NA	NA
<u>AMD Athlon 64 X2 Dual Core BE-2300</u>	1082	2306	NA	NA
<u>AMD Athlon 64 X2 Dual Core BE-2350</u>	1044	2323	NA	NA
<u>AMD Athlon 64 X2 Dual Core TK-53</u>	839	2449	28.02	\$29.97*
<u>AMD Athlon 64 X2 Dual Core TK-55</u>	839	2451	14.53	\$57.74*
<u>AMD Athlon 64 X2 Dual Core TK-57</u>	971	2371	NA	NA
<u>AMD Athlon 64 X2 Dual-Core TK-42</u>	877	2429	NA	NA
<u>AMD Athlon 64 X2 Dual-Core TK-53</u>	823	2457	NA	NA
<u>AMD Athlon 64 X2 Dual-Core TK-55</u>	870	2431	11.97	\$72.74*
<u>AMD Athlon 64 X2 Dual-Core TK-57</u>	924	2407	NA	NA
<u>AMD Athlon 64 X2 QL-60</u>	924	2408	NA	NA
<u>AMD Athlon 64 X2 QL-62</u>	1005	2347	NA	NA
<u>AMD Athlon 64 X2 QL-64</u>	993	2361	NA	NA
<u>AMD Athlon 64 X2 QL-65</u>	1050	2321	NA	NA
<u>AMD Athlon 64 X2 QL-66</u>	947	2394	NA	NA
<u>AMD Athlon 64 X2 QL-67</u>	1006	2346	NA	NA
<u>AMD Athlon 64 X2 TK-55</u>	955	2386	NA	NA
<u>AMD Athlon 64 X2 TK-57</u>	988	2362	NA	NA
<u>AMD Athlon 200GE</u>	4958	981	90.15	\$55.00
<u>AMD Athlon 220GE</u>	5209	930	75.52	\$68.99
<u>AMD Athlon 240GE</u>	5427	892	61.66	\$88.03
<u>AMD Athlon 300GE</u>	5517	882	NA	NA
<u>AMD Athlon 300U</u>	4613	1042	NA	NA
<u>AMD Athlon 1500+</u>	294	2856	NA	NA
<u>AMD Athlon 1640B</u>	670	2527	13.42	\$50.00*
<u>AMD Athlon 2000+</u>	390	2747	NA	NA
<u>AMD Athlon 2100+</u>	412	2709	NA	NA
<u>AMD Athlon 2200+</u>	363	2776	4.55	\$79.99*

<u>AMD Athlon 2400+</u>	462	2659	NA	NA
<u>AMD Athlon 2500+</u>	374	2756	<u>4.41</u>	<u>\$84.99</u>
<u>AMD Athlon 2600+</u>	444	2679	<u>4.23</u>	<u>\$104.95*</u>
<u>AMD Athlon 2650e</u>	407	2717	<u>21.46</u>	<u>\$19.00*</u>
<u>AMD Athlon 2800+</u>	447	2675	<u>3.20</u>	<u>\$139.95*</u>
<u>AMD Athlon 2850e</u>	506	2618	NA	NA
<u>AMD Athlon 3000G</u>	5344	908	<u>97.19</u>	<u>\$54.99</u>
<u>AMD Athlon 3100+</u>	485	2637	NA	NA
<u>AMD Athlon 3200+</u>	458	2663	<u>7.63</u>	<u>\$60.00*</u>
<u>AMD Athlon 5000 Dual-Core</u>	1292	2178	<u>10.78</u>	<u>\$119.95</u>
<u>AMD Athlon 5150 APU</u>	2114	1769	<u>13.22</u>	<u>\$159.95*</u>
<u>AMD Athlon 5200 Dual-Core</u>	1266	2201	<u>42.23</u>	<u>\$29.99*</u>
<u>AMD Athlon 5350 APU</u>	2610	1575	<u>23.73</u>	<u>\$109.99*</u>
<u>AMD Athlon 5370 APU</u>	2915	1475	<u>45.77</u>	<u>\$63.70*</u>
<u>AMD Athlon 7450 Dual-Core</u>	1449	2101	NA	NA
<u>AMD Athlon 7550 Dual-Core</u>	1472	2090	<u>24.54</u>	<u>\$60.00</u>
<u>AMD Athlon 7750 Dual-Core</u>	1571	2043	<u>10.27</u>	<u>\$152.99*</u>
<u>AMD Athlon 7850 Dual-Core</u>	1710	1966	<u>8.16</u>	<u>\$209.65*</u>
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>AMD Athlon 7850 Dual-Core 2.8G</u>	288	2867	NA	NA
<u>AMD Athlon Dual Core 4050e</u>	1086	2301	NA	NA
<u>AMD Athlon Dual Core 4450B</u>	1170	2254	<u>37.76</u>	<u>\$31.00*</u>
<u>AMD Athlon Dual Core 4450e</u>	1111	2286	NA	NA
<u>AMD Athlon Dual Core 4850B</u>	1391	2123	NA	NA
<u>AMD Athlon Dual Core 4850e</u>	1312	2164	<u>33.66</u>	<u>\$39.00*</u>
<u>AMD Athlon Dual Core 5000B</u>	1308	2167	<u>13.77</u>	<u>\$95.00*</u>
<u>AMD Athlon Dual Core 5050e</u>	1345	2150	<u>22.43</u>	<u>\$60.00*</u>
<u>AMD Athlon Dual Core 5200B</u>	1316	2162	NA	NA
<u>AMD Athlon Dual Core 5400B</u>	1420	2112	NA	NA
<u>AMD Athlon Dual Core 5600B</u>	1304	2171	NA	NA
<u>AMD Athlon II 160u</u>	563	2582	<u>18.78</u>	<u>\$29.99*</u>

AMD Athlon II 170u	627	2547	34.86	\$17.99
AMD Athlon II Dual-Core M300	1112	2285	NA	NA
AMD Athlon II Dual-Core M320	1141	2273	38.03	\$30.00*
AMD Athlon II Dual-Core M340	1056	2318	NA	NA
AMD Athlon II N330 Dual-Core	1154	2265	NA	NA
AMD Athlon II N350 Dual-Core	1249	2213	NA	NA
AMD Athlon II N370 Dual-Core	1559	2048	NA	NA
AMD Athlon II Neo K125	477	2645	NA	NA
AMD Athlon II Neo K145	525	2601	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2477	29.84	\$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2440	NA	NA
AMD Athlon II Neo N36L Dual-Core	795	2471	NA	NA
AMD Athlon II P320 Dual-Core	1216	2227	40.61	\$29.95*
AMD Athlon II P340 Dual-Core	1251	2211	27.83	\$44.95*
AMD Athlon II P360 Dual-Core	1318	2161	54.94	\$24.00*
AMD Athlon II X2 210e	1486	2083	NA	NA
AMD Athlon II X2 215	1565	2046	130.57	\$11.99*
AMD Athlon II X2 220	1635	2016	50.81	\$32.19
AMD Athlon II X2 225	1526	2061	NA	NA
AMD Athlon II X2 235e	1658	2004	9.12	\$181.88*
AMD Athlon II X2 240	1644	2010	47.04	\$34.95
AMD Athlon II X2 240e	1697	1975	48.58	\$34.95*
AMD Athlon II X2 245	1661	2002	47.53	\$34.95*
AMD Athlon II X2 245e	1714	1962	21.43	\$80.00*
AMD Athlon II X2 250	1737	1949	44.62	\$38.95
AMD Athlon II X2 250e	1939	1850	25.28	\$76.73*
AMD Athlon II X2 250u	1004	2348	28.74	\$34.95
AMD Athlon II X2 255	1842	1902	28.25	\$65.22*
AMD Athlon II X2 260	1878	1885	93.99	\$19.99*
AMD Athlon II X2 260u	1107	2291	13.28	\$83.44*
AMD Athlon II X2 265	1892	1876	22.84	\$82.88*

AMD Athlon II X2 270	1975	1830	82.33	\$23.99*
AMD Athlon II X2 270u	1285	2185	18.99	\$67.67*
AMD Athlon II X2 280	2128	1764	21.29	\$99.99*
AMD Athlon II X2 4300e	1483	2086	NA	NA
AMD Athlon II X2 4400e	1632	2018	NA	NA
AMD Athlon II X2 4450e	1504	2074	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X2 B22	1715	1960	41.16	\$41.69*
AMD Athlon II X2 B24	1785	1927	44.70	\$39.95
AMD Athlon II X2 B26	1903	1870	42.36	\$44.95*
AMD Athlon II X2 B28	2085	1782	42.52	\$49.05*
AMD Athlon II X3 400e	2000	1820	18.62	\$107.43*
AMD Athlon II X3 405e	2000	1821	25.00	\$79.99*
AMD Athlon II X3 415e	2224	1730	29.66	\$75.00*
AMD Athlon II X3 420e	2285	1697	19.68	\$116.15*
AMD Athlon II X3 425	2313	1685	85.71	\$26.99*
AMD Athlon II X3 425e	2239	1720	NA	NA
AMD Athlon II X3 435	2470	1631	82.37	\$29.99*
AMD Athlon II X3 440	2567	1594	95.13	\$26.99*
AMD Athlon II X3 445	2573	1592	28.28	\$91.00*
AMD Athlon II X3 450	2621	1573	75.01	\$34.95
AMD Athlon II X3 455	2761	1531	70.83	\$38.99*
AMD Athlon II X3 460	2864	1496	73.46	\$38.99*
AMD Athlon II X4 553	3814	1212	NA	NA
AMD Athlon II X4 555	3830	1208	NA	NA
AMD Athlon II X4 559	4124	1150	NA	NA
AMD Athlon II X4 600e	2465	1633	18.93	\$130.23*
AMD Athlon II X4 605e	2715	1546	26.68	\$101.80*
AMD Athlon II X4 610e	2789	1519	39.85	\$69.99*
AMD Athlon II X4 615e	2899	1487	49.15	\$59.00*
AMD Athlon II X4 620	2928	1472	48.85	\$59.95

<u>AMD Athlon II X4 620e</u>	2906	1480	NA	NA
<u>AMD Athlon II X4 630</u>	3130	1402	<u>49.73</u>	<u>\$62.95</u>
<u>AMD Athlon II X4 631 Quad-Core</u>	3142	1400	<u>39.28</u>	<u>\$80.00*</u>
<u>AMD Athlon II X4 635</u>	3230	1366	<u>46.19</u>	<u>\$69.95</u>
<u>AMD Athlon II X4 638 Quad-Core</u>	3198	1377	<u>120.73</u>	<u>\$26.49*</u>
<u>AMD Athlon II X4 640</u>	3311	1344	<u>41.42</u>	<u>\$79.95</u>
<u>AMD Athlon II X4 641 Quad-Core</u>	3343	1334	<u>36.54</u>	<u>\$91.50*</u>
<u>AMD Athlon II X4 645</u>	3463	1304	<u>69.29</u>	<u>\$49.99*</u>
<u>AMD Athlon II X4 650</u>	3483	1299	<u>20.91</u>	<u>\$166.60*</u>
<u>AMD Athlon II X4 651 Quad-Core</u>	3570	1274	<u>20.06</u>	<u>\$178.04*</u>
<u>AMD Athlon II X4 655</u>	2998	1447	NA	NA
<u>AMD Athlon II X4 6400e</u>	2594	1579	NA	NA
<u>AMD Athlon L110</u>	303	2837	NA	NA
<u>AMD Athlon LE-1600</u>	557	2584	<u>26.57</u>	<u>\$21.00*</u>
<u>AMD Athlon LE-1620</u>	578	2573	<u>32.12</u>	<u>\$18.00*</u>
<u>AMD Athlon LE-1640</u>	629	2546	NA	NA
<u>AMD Athlon LE-1660</u>	679	2524	NA	NA
<u>AMD Athlon MP</u>	230	2938	<u>18.46</u>	<u>\$12.49*</u>
<u>AMD Athlon MP 1700+</u>	339	2798	NA	NA
<u>AMD Athlon MP 2400+</u>	436	2689	NA	NA
<u>AMD Athlon MP 2800+</u>	497	2624	NA	NA
<u>AMD Athlon Neo MV-40</u>	410	2712	NA	NA
<u>AMD Athlon Neo X2 Dual Core 6850e</u>	1002	2350	NA	NA
<u>AMD Athlon Neo X2 Dual Core L325</u>	776	2476	NA	NA
<u>AMD Athlon Neo X2 Dual Core L335</u>	828	2454	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>AMD Athlon PRO 200GE</u>	5133	942	NA	NA
<u>AMD Athlon PRO 300GE</u>	5554	874	NA	NA
<u>AMD Athlon QI-46</u>	473	2649	NA	NA
<u>AMD Athlon TF-20</u>	413	2708	NA	NA
<u>AMD Athlon TF-36</u>	395	2735	NA	NA

<u>AMD Athlon X2 215</u>	1543	2054	NA	NA
<u>AMD Athlon X2 235e</u>	1806	1917	NA	NA
<u>AMD Athlon X2 240</u>	1611	2026	NA	NA
<u>AMD Athlon X2 240e</u>	1670	1989	NA	NA
<u>AMD Athlon X2 250</u>	1696	1977	NA	NA
<u>AMD Athlon X2 255</u>	1627	2019	NA	NA
<u>AMD Athlon X2 280</u>	2303	1692	<u>68.77</u>	<u>\$33.49*</u>
<u>AMD Athlon X2 340 Dual Core</u>	1938	1851	<u>38.78</u>	<u>\$49.99*</u>
<u>AMD Athlon X2 370K Dual Core</u>	2251	1714	NA	NA
<u>AMD Athlon X2 440</u>	1424	2110	NA	NA
<u>AMD Athlon X2 Dual Core 3250e</u>	782	2475	NA	NA
<u>AMD Athlon X2 Dual Core 6850e</u>	998	2353	NA	NA
<u>AMD Athlon X2 Dual Core BE-2300</u>	920	2412	NA	NA
<u>AMD Athlon X2 Dual Core BE-2350</u>	1109	2288	NA	NA
<u>AMD Athlon X2 Dual Core BE-2400</u>	1213	2228	NA	NA
<u>AMD Athlon X2 Dual Core BE-2450</u>	1251	2210	NA	NA
<u>AMD Athlon X2 Dual Core L310</u>	647	2536	NA	NA
<u>AMD Athlon X2 Dual Core LS-5800</u>	1009	2344	NA	NA
<u>AMD Athlon X3 425</u>	2191	1742	NA	NA
<u>AMD Athlon X3 435</u>	2574	1591	<u>26.96</u>	<u>\$95.49*</u>
<u>AMD Athlon X3 440</u>	2078	1784	<u>23.62</u>	<u>\$87.99*</u>
<u>AMD Athlon X3 445</u>	2314	1684	NA	NA
<u>AMD Athlon X3 455</u>	2401	1655	NA	NA
<u>AMD Athlon X4 605e</u>	2505	1619	NA	NA
<u>AMD Athlon X4 620</u>	2861	1498	<u>44.06</u>	<u>\$64.95</u>
<u>AMD Athlon X4 635</u>	2891	1489	<u>23.71</u>	<u>\$121.99*</u>
<u>AMD Athlon X4 640</u>	3172	1386	NA	NA
<u>AMD Athlon X4 740 Quad Core</u>	4035	1164	<u>14.57</u>	<u>\$277.00*</u>
<u>AMD Athlon X4 750 Quad Core</u>	4400	1093	NA	NA
<u>AMD Athlon X4 750K Quad Core</u>	4275	1117	<u>55.54</u>	<u>\$76.99*</u>
<u>AMD Athlon X4 760K Quad Core</u>	4601	1048	<u>109.62</u>	<u>\$41.98*</u>
<u>AMD Athlon X4 830</u>	4701	1027	NA	NA

AMD Athlon X4 840	5070	951	64.40	\$78.74*
AMD Athlon X4 845	5402	898	101.68	\$53.13*
AMD Athlon X4 860K	5409	895	40.09	\$134.95*
AMD Athlon X4 870K	5325	915	66.57	\$79.99*
AMD Athlon X4 880K	5569	871	55.70	\$99.99*
AMD Athlon X4 950	5235	925	52.39	\$99.95
AMD Athlon XP1600+	281	2880	NA	NA
AMD Athlon XP1900+	353	2785	NA	NA
AMD Athlon XP2100+	287	2869	NA	NA
AMD Athlon XP2200+	401	2727	NA	NA
AMD Athlon XP2400+	374	2757	NA	NA
AMD Athlon XP 1500	282	2879	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon XP 1500+	257	2909	NA	NA
AMD Athlon XP 1600+	267	2899	NA	NA
AMD Athlon XP 1700	344	2795	NA	NA
AMD Athlon XP 1700+	271	2895	4.43	\$61.25*
AMD Athlon XP 1800+	300	2844	5.10	\$58.95*
AMD Athlon XP 1900+	312	2828	NA	NA
AMD Athlon XP 2000+	300	2845	12.01	\$24.99*
AMD Athlon XP 2100+	323	2812	NA	NA
AMD Athlon XP 2200+	328	2811	3.87	\$84.95*
AMD Athlon XP 2300+	464	2656	NA	NA
AMD Athlon XP 2400+	360	2778	4.01	\$89.99*
AMD Athlon XP 2500+	355	2782	NA	NA
AMD Athlon XP 2600+	372	2762	16.18	\$23.03*
AMD Athlon XP 2700+	393	2738	4.64	\$84.79*
AMD Athlon XP 2800+	400	2729	NA	NA
AMD Athlon XP 2900+	424	2702	NA	NA
AMD Athlon XP 3000+	402	2725	5.06	\$79.70*
AMD Athlon XP 3100+	433	2693	NA	NA

<u>AMD Athlon XP 3200+</u>	432	2694	NA	NA
<u>AMD Athlon XP 3400+</u>	570	2580	NA	NA
<u>AMD Athlon XP Pro3+</u>	367	2769	NA	NA
<u>AMD Athlon XP-M</u>	541	2593	<u>15.48</u>	<u>\$34.95*</u>
<u>AMD C-30</u>	310	2830	NA	NA
<u>AMD C-50</u>	462	2658	NA	NA
<u>AMD C-60</u>	466	2653	NA	NA
<u>AMD C-60 APU</u>	544	2587	NA	NA
<u>AMD C-70 APU</u>	558	2583	NA	NA
<u>AMD E1 Micro-6200T APU</u>	960	2383	NA	NA
<u>AMD E1-1200 APU</u>	654	2534	NA	NA
<u>AMD E1-1500 APU</u>	689	2519	NA	NA
<u>AMD E1-2100 APU</u>	641	2541	NA	NA
<u>AMD E1-2200 APU</u>	767	2479	NA	NA
<u>AMD E1-2500 APU</u>	896	2426	NA	NA
<u>AMD E1-6010 APU</u>	870	2430	NA	NA
<u>AMD E1-6015 APU</u>	900	2422	NA	NA
<u>AMD E1-7010 APU</u>	1013	2342	NA	NA
<u>AMD E2-1800 APU</u>	814	2459	NA	NA
<u>AMD E2-2000 APU</u>	827	2455	NA	NA
<u>AMD E2-3000 APU</u>	1140	2275	NA	NA
<u>AMD E2-3000M APU</u>	1093	2297	<u>54.67</u>	<u>\$20.00*</u>
<u>AMD E2-3200 APU</u>	1381	2129	<u>172.96</u>	<u>\$7.99*</u>
<u>AMD E2-3800 APU</u>	1648	2007	NA	NA
<u>AMD E2-6110 APU</u>	1919	1860	NA	NA
<u>AMD E2-7110 APU</u>	2293	1694	NA	NA
<u>AMD E2-9000</u>	1646	2008	NA	NA
<u>AMD E2-9000e</u>	1304	2170	NA	NA
<u>AMD E2-9010</u>	1636	2014	NA	NA
<u>AMD E2-9030</u>	1515	2069	NA	NA
<u>AMD E-240</u>	318	2818	NA	NA
CPU Name	Passmark CPU Mark	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

(higher is better)				
AMD E-300 APU	608	2554	NA	NA
AMD E-350	745	2493	NA	NA
AMD E-350 APU	759	2486	NA	NA
AMD E-350D APU	723	2499	NA	NA
AMD E-450 APU	765	2480	NA	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1764	1936	NA	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1778	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2533	1606	NA	NA
AMD Embedded R-Series RX-216GD	2409	1653	NA	NA
AMD Embedded R-Series RX-418GD Radeon R6	5068	953	NA	NA
AMD Embedded R-Series RX-421BD	4635	1037	NA	NA
AMD EPYC 3201	9634	443	NA	NA
AMD EPYC 3251	11690	310	37.11	\$315.00*
AMD EPYC 7251	11811	306	26.01	\$454.18
AMD EPYC 7262	20691	83	31.98	\$646.99
AMD EPYC 7301	14978	200	21.79	\$687.37
AMD EPYC 7302P	30933	15	32.59	\$949.10
AMD EPYC 7351	18081	126	24.35	\$742.47
AMD EPYC 7351P	14887	204	19.82	\$751.20
AMD EPYC 7371	22071	64	14.24	\$1,550.00*
AMD EPYC 7401P	20221	91	24.63	\$821.11
AMD EPYC 7402P	28291	22	19.83	\$1,426.48
AMD EPYC 7451	15760	180	13.03	\$1,209.98
AMD EPYC 7452	38257	5	17.41	\$2,196.99
AMD EPYC 7501	18942	113	5.80	\$3,264.58
AMD EPYC 7502P	27437	28	10.32	\$2,658.00*
AMD EPYC 7551	18483	119	10.07	\$1,835.94*
AMD EPYC 7551P	18443	120	3.99	\$4,618.00
AMD EPYC 7571	20858	82	NA	NA

AMD EPYC 7702P	46067	3	9.63	\$4,783.99
AMD EPYC 7742	47365	2	6.30	\$7,522.99
AMD FirePro A320 APU	4540	1063	NA	NA
AMD FX-670K Quad-Core	4550	1060	NA	NA
AMD FX-770K Quad-Core	4819	1008	NA	NA
AMD FX-870K Quad Core	5021	968	NA	NA
AMD FX-4100 Quad-Core	4077	1157	26.57	\$153.45*
AMD FX-4130 Quad-Core	4165	1142	54.81	\$75.99*
AMD FX-4150 Quad-Core	4594	1050	NA	NA
AMD FX-4170 Quad-Core	4874	997	48.75	\$99.99*
AMD FX-4200 Quad-Core	4270	1120	18.71	\$228.21*
AMD FX-4300 Quad-Core	4700	1029	55.93	\$84.04
AMD FX-4320	5011	972	NA	NA
AMD FX-4330	5328	913	NA	NA
AMD FX-4350 Quad-Core	5343	909	12.43	\$430.00
AMD FX-6100 Six-Core	5406	896	20.96	\$258.00*
AMD FX-6120 Six-Core	5764	845	NA	NA
AMD FX-6130 Six-Core	6215	791	NA	NA
AMD FX-6200 Six-Core	6108	803	17.97	\$339.95
AMD FX-6300 Six-Core	6411	774	30.53	\$209.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-6330 Six-Core	6954	719	NA	NA
AMD FX-6350 Six-Core	7023	710	58.50	\$120.06*
AMD FX-7500 APU	3206	1373	NA	NA
AMD FX-7600P	4039	1162	NA	NA
AMD FX-7600P APU	4627	1040	NA	NA
AMD FX-8100 Eight-Core	5884	826	41.44	\$142.00*
AMD FX-8120 Eight-Core	6647	752	29.85	\$222.73*
AMD FX-8140 Eight-Core	6133	799	NA	NA
AMD FX-8150 Eight-Core	7656	652	5.30	\$1,443.99
AMD FX-8300 Eight-Core	7779	639	64.83	\$119.99*

<u>AMD FX-8310 Eight-Core</u>	7738	645	NA	NA
<u>AMD FX-8320 Eight-Core</u>	8038	602	<u>58.24</u>	<u>\$138.01*</u>
<u>AMD FX-8320E Eight-Core</u>	7583	659	<u>31.70</u>	<u>\$239.24</u>
<u>AMD FX-8350 Eight-Core</u>	8959	511	<u>39.30</u>	<u>\$228.00</u>
<u>AMD FX-8370 Eight-Core</u>	9047	500	<u>36.19</u>	<u>\$250.00*</u>
<u>AMD FX-8370E Eight-Core</u>	7872	626	<u>24.60</u>	<u>\$320.09</u>
<u>AMD FX-8800P</u>	4198	1134	NA	NA
<u>AMD FX-9370 Eight-Core</u>	9463	455	<u>17.05</u>	<u>\$555.00</u>
<u>AMD FX-9590 Eight-Core</u>	10187	386	<u>44.06</u>	<u>\$231.22</u>
<u>AMD FX-9800P</u>	3965	1176	NA	NA
<u>AMD FX-9830P</u>	4781	1015	NA	NA
<u>AMD FX-B4150 Quad-Core</u>	4611	1044	NA	NA
<u>AMD G-T40E</u>	467	2652	NA	NA
<u>AMD G-T40N</u>	516	2610	NA	NA
<u>AMD G-T40R</u>	203	2964	NA	NA
<u>AMD G-T44R</u>	229	2939	NA	NA
<u>AMD G-T48E</u>	667	2529	NA	NA
<u>AMD G-T52R</u>	308	2832	NA	NA
<u>AMD G-T56E</u>	751	2489	NA	NA
<u>AMD G-T56N</u>	796	2470	NA	NA
<u>AMD Geode NX</u>	264	2902	NA	NA
<u>AMD Geode NX 1750</u>	291	2858	NA	NA
<u>AMD GX-210JA SOC</u>	401	2728	NA	NA
<u>AMD GX-212JC SOC</u>	943	2397	NA	NA
<u>AMD GX-217GA SOC</u>	1113	2284	NA	NA
<u>AMD GX-218GL SOC</u>	1207	2232	NA	NA
<u>AMD GX-222GC SOC</u>	1255	2205	NA	NA
<u>AMD GX-412HC</u>	1503	2076	NA	NA
<u>AMD GX-415GA SOC</u>	1982	1827	NA	NA
<u>AMD GX-420CA SOC</u>	2412	1651	NA	NA
<u>AMD GX-424CC SOC</u>	2497	1622	NA	NA
<u>AMD K7</u>	403	2722	NA	NA

AMD Opteron 140	396	2733	0.62	\$640.00
AMD Opteron 142	428	2699	NA	NA
AMD Opteron 144	486	2633	7.48	\$65.00*
AMD Opteron 146	532	2596	8.87	\$59.99*
AMD Opteron 148	603	2559	NA	NA
AMD Opteron 150	604	2557	NA	NA
AMD Opteron 152	658	2531	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 154	703	2512	NA	NA
AMD Opteron 165	899	2424	1.63	\$550.00
AMD Opteron 170	1097	2293	NA	NA
AMD Opteron 175	1167	2259	NA	NA
AMD Opteron 180	1236	2216	9.51	\$129.95*
AMD Opteron 185	1342	2151	NA	NA
AMD Opteron 246	632	2545	31.62	\$19.99*
AMD Opteron 248	476	2646	4.77	\$99.95
AMD Opteron 250	649	2535	59.01	\$11.00*
AMD Opteron 252	760	2484	12.00	\$63.36*
AMD Opteron 254	693	2516	NA	NA
AMD Opteron 256	963	2377	50.72	\$19.00*
AMD Opteron 265	963	2378	13.20	\$73.00
AMD Opteron 270	1170	2255	1.93	\$607.47*
AMD Opteron 275	1291	2180	15.74	\$82.05*
AMD Opteron 280	1176	2248	18.10	\$65.00*
AMD Opteron 285	1470	2092	18.39	\$79.95
AMD Opteron 290	1464	2094	10.85	\$135.00*
AMD Opteron 1210	923	2409	14.21	\$65.00
AMD Opteron 1210 HE	971	2370	NA	NA
AMD Opteron 1212	1009	2345	3.48	\$290.00*
AMD Opteron 1212 HE	1308	2168	NA	NA
AMD Opteron 1214	1191	2239	4.11	\$290.00*

AMD Opteron 1214 HE	1299	2173	NA	NA
AMD Opteron 1216	1311	2166	23.91	\$54.85*
AMD Opteron 1216 HE	1172	2253	NA	NA
AMD Opteron 1218	1468	2093	NA	NA
AMD Opteron 1218 HE	1444	2102	NA	NA
AMD Opteron 1220	1661	2001	NA	NA
AMD Opteron 1222	1757	1939	NA	NA
AMD Opteron 1352	2316	1683	17.04	\$135.99*
AMD Opteron 1354	2630	1569	19.49	\$135.00*
AMD Opteron 1356	2765	1529	30.73	\$89.99*
AMD Opteron 1381	3065	1428	NA	NA
AMD Opteron 2212	1270	2199	63.53	\$20.00*
AMD Opteron 2214	1358	2145	46.85	\$29.00*
AMD Opteron 2214 HE	1415	2114	NA	NA
AMD Opteron 2216	1518	2067	56.64	\$26.80
AMD Opteron 2218	1594	2035	19.94	\$79.95
AMD Opteron 2220	1701	1973	21.29	\$79.95
AMD Opteron 2220 SE	1398	2120	55.92	\$25.00*
AMD Opteron 2222	1843	1901	1.11	\$1,664.98*
AMD Opteron 2224 SE	1919	1861	NA	NA
AMD Opteron 2350	2820	1509	35.28	\$79.95*
AMD Opteron 2354	2450	1636	7.38	\$332.03*
AMD Opteron 2356	2814	1510	54.12	\$52.00*
AMD Opteron 2373 EE	2789	1520	NA	NA
AMD Opteron 2374 HE	2951	1460	45.40	\$65.00
AMD Opteron 2376	2283	1699	13.69	\$166.81*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 2378	3179	1382	17.76	\$179.00*
AMD Opteron 2380	2640	1566	58.69	\$45.00
AMD Opteron 2384	3538	1281	4.21	\$840.00*
AMD Opteron 2386 SE	3538	1282	NA	NA

AMD Opteron 2393 SE	2246	1715	NA	NA
AMD Opteron 2427	3069	1426	47.22	\$65.00
AMD Opteron 2431	4516	1066	112.91	\$40.00*
AMD Opteron 2435	4708	1026	72.44	\$65.00
AMD Opteron 3250 HE	2942	1465	29.73	\$99.00*
AMD Opteron 3260 HE	3259	1356	NA	NA
AMD Opteron 3280	5533	879	20.26	\$273.18*
AMD Opteron 3320 EE	2675	1556	NA	NA
AMD Opteron 3350 HE	4186	1137	NA	NA
AMD Opteron 3365	6088	811	NA	NA
AMD Opteron 3380	6384	778	7.89	\$809.00*
AMD Opteron 4122	2942	1466	23.55	\$124.99*
AMD Opteron 4162 EE	3166	1388	NA	NA
AMD Opteron 4170 HE	3664	1255	62.11	\$59.00*
AMD Opteron 4184	4418	1089	8.50	\$519.95*
AMD Opteron 4280	6430	772	128.60	\$50.00*
AMD Opteron 4284	6660	751	111.03	\$59.99*
AMD Opteron 4332 HE	5614	863	NA	NA
AMD Opteron 4334	6099	806	28.18	\$216.42*
AMD Opteron 4365 EE	5025	965	NA	NA
AMD Opteron 4386	6761	736	48.30	\$139.99*
AMD Opteron 6128	4505	1070	237.24	\$18.99
AMD Opteron 6134	2938	1467	66.81	\$43.99*
AMD Opteron 6136	4631	1038	42.10	\$110.00*
AMD Opteron 6164 HE	5351	907	NA	NA
AMD Opteron 6172	5261	921	26.57	\$198.00*
AMD Opteron 6174	6171	796	94.94	\$65.00
AMD Opteron 6176 SE	5465	890	34.37	\$159.00*
AMD Opteron 6212	5776	840	192.62	\$29.99*
AMD Opteron 6220	6785	733	113.11	\$59.99*
AMD Opteron 6234	5938	823	198.27	\$29.95*
AMD Opteron 6238	7673	651	21.32	\$359.89*

AMD Opteron 6272	6748	740	96.42	\$69.99
AMD Opteron 6274	4865	998	108.15	\$44.99
AMD Opteron 6276	8889	521	52.60	\$169.00
AMD Opteron 6282 SE	9116	490	14.24	\$640.00
AMD Opteron 6287 SE	9789	427	NA	NA
AMD Opteron 6328	7826	633	21.80	\$359.00
AMD Opteron 6344	9372	465	24.09	\$389.00*
AMD Opteron 6366 HE	7503	665	250.19	\$29.99*
AMD Opteron 6376	9212	484	141.72	\$65.00
AMD Opteron 6378	9094	493	47.87	\$190.00
AMD Opteron 6380	10081	394	170.88	\$59.00
AMD Opteron 6386 SE	10912	338	75.26	\$144.99
AMD Opteron 8354	2255	1712	90.22	\$25.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 8439 SE	3813	1213	63.56	\$60.00*
AMD Opteron X2170 APU	3059	1430	NA	NA
AMD Opteron X3216 APU	2302	1693	NA	NA
AMD Opteron X3418 APU	4548	1061	NA	NA
AMD Opteron X3421 APU	4793	1013	NA	NA
AMD Phenom 2 X4 12000	3005	1442	NA	NA
AMD Phenom 7950 Quad-Core	2991	1448	NA	NA
AMD Phenom 8250 Triple-Core	1668	1992	NA	NA
AMD Phenom 8250e Triple-Core	1635	2015	34.81	\$46.99*
AMD Phenom 8400 Triple-Core	1632	2017	NA	NA
AMD Phenom 8450 Triple-Core	1887	1880	63.03	\$29.95*
AMD Phenom 8450e Triple-Core	2026	1808	NA	NA
AMD Phenom 8600 Triple-Core	1675	1986	31.62	\$52.99*
AMD Phenom 8600B Triple-Core	1919	1864	36.22	\$52.99*
AMD Phenom 8650 Triple-Core	1986	1824	39.74	\$49.99*
AMD Phenom 8750 Triple-Core	2058	1797	NA	NA
AMD Phenom 8750B Triple-Core	2034	1803	NA	NA

AMD Phenom 8850 Triple-Core	1968	1836	NA	NA
AMD Phenom 8850B Triple-Core	2080	1783	NA	NA
AMD Phenom 9100e Quad-Core	1833	1906	45.89	\$39.95*
AMD Phenom 9150e Quad-Core	2112	1771	52.87	\$39.95*
AMD Phenom 9350e Quad-Core	2320	1679	0.69	\$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1578	24.76	\$105.00*
AMD Phenom 9500 Quad-Core	2202	1737	75.97	\$28.99*
AMD Phenom 9550 Quad-Core	2544	1602	87.78	\$28.99*
AMD Phenom 9600 Quad-Core	2303	1691	46.11	\$49.95*
AMD Phenom 9600B Quad-Core	2575	1590	17.50	\$147.19*
AMD Phenom 9650 Quad-Core	2633	1568	58.60	\$44.95*
AMD Phenom 9750 Quad-Core	2810	1511	46.88	\$59.95
AMD Phenom 9750B Quad-Core	2709	1548	NA	NA
AMD Phenom 9850 Quad-Core	2886	1491	24.05	\$119.99*
AMD Phenom 9850B Quad-Core	3160	1393	NA	NA
AMD Phenom 9950 Quad-Core	3009	1439	22.30	\$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1611	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1462	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1260	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1297	NA	NA
AMD Phenom II N620 Dual-Core	1687	1982	422.97	\$3.99*
AMD Phenom II N640 Dual-Core	1722	1955	26.53	\$64.95*
AMD Phenom II N660 Dual-Core	1844	1900	18.64	\$99.00
AMD Phenom II N830 3+1	2652	1563	NA	NA
AMD Phenom II N830 Triple-Core	1890	1879	NA	NA
AMD Phenom II N850 Triple-Core	1934	1853	77.38	\$25.00*
AMD Phenom II N870 Triple-Core	2002	1818	NA	NA
AMD Phenom II N930 Quad-Core	2275	1702	17.51	\$129.95*
AMD Phenom II N950 Quad-Core	2482	1628	22.04	\$112.60*
AMD Phenom II N970 Quad-Core	2514	1614	16.76	\$149.99*
AMD Phenom II P650 Dual-Core	1579	2040	45.12	\$35.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II P820 Triple-Core	1602	2031	NA	NA
AMD Phenom II P840 Triple-Core	1713	1963	NA	NA
AMD Phenom II P860 Triple-Core	1756	1940	NA	NA
AMD Phenom II P920 Quad-Core	1874	1886	24.99	\$75.00*
AMD Phenom II P940 Quad-Core	1831	1908	NA	NA
AMD Phenom II P960 Quad-Core	2085	1780	74.49	\$28.00*
AMD Phenom II X2 511	2104	1774	NA	NA
AMD Phenom II X2 521	2071	1787	NA	NA
AMD Phenom II X2 545	1918	1865	43.62	\$43.98*
AMD Phenom II X2 550	2023	1810	40.48	\$49.99*
AMD Phenom II X2 555	2043	1800	73.03	\$27.98*
AMD Phenom II X2 560	2062	1794	31.74	\$64.99*
AMD Phenom II X2 565	2225	1728	10.60	\$209.95*
AMD Phenom II X2 570	2068	1790	NA	NA
AMD Phenom II X2 B53	1709	1968	NA	NA
AMD Phenom II X2 B55	1920	1859	40.06	\$47.95*
AMD Phenom II X2 B57	1823	1913	NA	NA
AMD Phenom II X2 B59	2129	1763	48.35	\$44.04*
AMD Phenom II X3 700e	2242	1718	NA	NA
AMD Phenom II X3 705e	2209	1735	14.50	\$152.34*
AMD Phenom II X3 710	2448	1638	28.97	\$84.53*
AMD Phenom II X3 715	2649	1564	31.17	\$84.99*
AMD Phenom II X3 720	2666	1558	38.10	\$69.99*
AMD Phenom II X3 740	2985	1450	33.55	\$88.99*
AMD Phenom II X3 B73	2735	1541	36.47	\$75.00*
AMD Phenom II X3 B75	2872	1495	71.82	\$39.99*
AMD Phenom II X3 B77	3067	1427	137.64	\$22.29*
AMD Phenom II X4 805	2998	1446	17.23	\$173.99*
AMD Phenom II X4 810	3119	1406	26.90	\$115.99*
AMD Phenom II X4 820	3392	1319	45.27	\$74.95*

AMD Phenom II X4 830	3434	1311	42.95	\$79.95
AMD Phenom II X4 840	3508	1293	39.00	\$89.95
AMD Phenom II X4 840T	3594	1267	51.36	\$69.99*
AMD Phenom II X4 850	3549	1276	54.62	\$64.99*
AMD Phenom II X4 900e	2882	1494	NA	NA
AMD Phenom II X4 905e	3080	1423	57.06	\$53.99*
AMD Phenom II X4 910	3246	1361	32.46	\$100.00*
AMD Phenom II X4 910e	3254	1359	20.73	\$156.99*
AMD Phenom II X4 920	3390	1322	42.38	\$79.99*
AMD Phenom II X4 925	3411	1314	77.56	\$43.99*
AMD Phenom II X4 940	3586	1272	17.83	\$201.21
AMD Phenom II X4 945	3650	1257	53.60	\$68.11
AMD Phenom II X4 955	3914	1194	30.07	\$130.16*
AMD Phenom II X4 960T	3771	1220	8.04	\$469.00
AMD Phenom II X4 965	4175	1140	49.70	\$84.01*
AMD Phenom II X4 970	4312	1113	29.12	\$148.11*
AMD Phenom II X4 973	3759	1226	NA	NA
AMD Phenom II X4 975	4443	1086	31.81	\$139.69*
AMD Phenom II X4 977	3750	1230	NA	NA
AMD Phenom II X4 980	4488	1075	19.52	\$229.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X4 8700e	2377	1664	NA	NA
AMD Phenom II X4 B05e	2792	1516	NA	NA
AMD Phenom II X4 B15e	2736	1540	NA	NA
AMD Phenom II X4 B25	3297	1348	NA	NA
AMD Phenom II X4 B35	3387	1324	NA	NA
AMD Phenom II X4 B40	3352	1331	NA	NA
AMD Phenom II X4 B45	3473	1301	NA	NA
AMD Phenom II X4 B50	3694	1247	NA	NA
AMD Phenom II X4 B55	3852	1203	NA	NA
AMD Phenom II X4 B60	4030	1165	NA	NA

<u>AMD Phenom II X4 B65</u>	4172	1141	NA	NA
<u>AMD Phenom II X4 B70</u>	4261	1122	NA	NA
<u>AMD Phenom II X4 B93</u>	3345	1332	NA	NA
<u>AMD Phenom II X4 B95</u>	3676	1249	<u>50.40</u>	<u>\$72.95*</u>
<u>AMD Phenom II X4 B97</u>	3863	1197	<u>67.80</u>	<u>\$56.99*</u>
<u>AMD Phenom II X4 B99</u>	4126	1149	NA	NA
<u>AMD Phenom II X6 1035T</u>	4664	1031	<u>24.68</u>	<u>\$189.00*</u>
<u>AMD Phenom II X6 1045T</u>	4792	1014	<u>46.08</u>	<u>\$104.02</u>
<u>AMD Phenom II X6 1055T</u>	4962	980	<u>45.51</u>	<u>\$109.05*</u>
<u>AMD Phenom II X6 1065T</u>	5024	966	NA	NA
<u>AMD Phenom II X6 1075T</u>	5324	916	<u>47.12</u>	<u>\$112.99*</u>
<u>AMD Phenom II X6 1090T</u>	5553	875	<u>31.91</u>	<u>\$174.04*</u>
<u>AMD Phenom II X6 1100T</u>	5703	851	<u>32.13</u>	<u>\$177.49*</u>
<u>AMD Phenom II X6 1405T</u>	5042	960	NA	NA
<u>AMD Phenom II X620 Dual-Core</u>	2189	1743	NA	NA
<u>AMD Phenom II X640 Dual-Core</u>	2021	1812	NA	NA
<u>AMD Phenom II X920 Quad-Core</u>	2635	1567	NA	NA
<u>AMD Phenom II X940 Quad-Core</u>	2695	1550	NA	NA
<u>AMD Phenom Ultra X4 24500</u>	3945	1185	NA	NA
<u>AMD Phenom X2 Dual-Core GE-4060</u>	1697	1976	NA	NA
<u>AMD Phenom X2 Dual-Core GE-5560</u>	2206	1736	NA	NA
<u>AMD Phenom X2 Dual-Core GE-7060</u>	1752	1943	NA	NA
<u>AMD Phenom X2 Dual-Core GP-5000</u>	1180	2246	NA	NA
<u>AMD Phenom X2 Dual-Core GP-7730</u>	1435	2104	NA	NA
<u>AMD Phenom X3 8550</u>	1931	1855	<u>11.36</u>	<u>\$169.95*</u>
<u>AMD Phenom X4 Quad-Core GP-9500</u>	1757	1938	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9530</u>	1994	1822	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9600</u>	2235	1723	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9730</u>	2897	1488	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9830</u>	2715	1545	NA	NA
<u>AMD Phenom X4 Quad-Core GP-9930</u>	2690	1552	NA	NA
<u>AMD Phenom X4 Quad-Core GS-5560</u>	1211	2229	NA	NA

<u>AMD PRO A4-3350B APU</u>	2274	1704	NA	NA
<u>AMD PRO A4-4350B</u>	1481	2088	NA	NA
<u>AMD PRO A4-8350B</u>	2776	1525	NA	NA
<u>AMD PRO A6-7350B</u>	2759	1532	NA	NA
<u>AMD PRO A6-8500B</u>	2516	1613	NA	NA
<u>AMD PRO A6-8530B</u>	2388	1661	NA	NA
<u>AMD PRO A6-8550B</u>	2970	1456	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>AMD PRO A6-8570</u>	3088	1419	NA	NA
<u>AMD PRO A6-8570E</u>	2824	1507	NA	NA
<u>AMD PRO A6-9500</u>	2950	1461	<u>39.88</u>	<u>\$74.00*</u>
<u>AMD PRO A6-9500B</u>	2076	1785	NA	NA
<u>AMD PRO A6-9500E</u>	2717	1544	<u>36.73</u>	<u>\$74.00*</u>
<u>AMD PRO A8-8600B</u>	3513	1290	NA	NA
<u>AMD PRO A8-8650B</u>	5223	926	NA	NA
<u>AMD PRO A8-8670E</u>	5015	970	NA	NA
<u>AMD PRO A8-9600</u>	5277	919	<u>44.35</u>	<u>\$119.00*</u>
<u>AMD PRO A8-9600B</u>	3964	1177	NA	NA
<u>AMD PRO A10-8700B</u>	3521	1287	NA	NA
<u>AMD PRO A10-8730B</u>	3953	1180	NA	NA
<u>AMD PRO A10-8750B</u>	5473	886	NA	NA
<u>AMD PRO A10-8770</u>	5555	873	NA	NA
<u>AMD PRO A10-8770E</u>	5023	967	NA	NA
<u>AMD PRO A10-8850B</u>	5852	832	NA	NA
<u>AMD PRO A10-9700</u>	5599	866	<u>33.13</u>	<u>\$169.00*</u>
<u>AMD PRO A10-9700B</u>	4380	1096	NA	NA
<u>AMD PRO A10-9700E</u>	5066	954	<u>36.45</u>	<u>\$139.00*</u>
<u>AMD PRO A12-8800B</u>	4111	1151	NA	NA
<u>AMD PRO A12-8830B</u>	4233	1126	NA	NA
<u>AMD PRO A12-8870</u>	6067	813	NA	NA
<u>AMD PRO A12-8870E</u>	5186	934	NA	NA

AMD PRO A12-9800	6132	800	36.29	\$169.00*
AMD PRO A12-9800B	4102	1154	NA	NA
AMD PRO A12-9800E	4769	1017	28.22	\$169.00*
AMD QC-4000	1663	1998	NA	NA
AMD R-260H APU	1576	2041	NA	NA
AMD R-272F APU	2007	1816	NA	NA
AMD R-460L APU	1954	1846	NA	NA
AMD R-464L APU	3117	1409	NA	NA
AMD RX-427BB	4359	1101	NA	NA
AMD Ryzen 3 1200	6802	730	98.58	\$69.00
AMD Ryzen 3 1300X	7571	661	60.95	\$124.22
AMD Ryzen 3 2200G	7333	684	86.28	\$84.99
AMD Ryzen 3 2200GE	6909	725	NA	NA
AMD Ryzen 3 2200U	4590	1052	NA	NA
AMD Ryzen 3 2300U	6115	801	NA	NA
AMD Ryzen 3 2300X	8347	577	NA	NA
AMD Ryzen 3 3200G	7841	630	82.55	\$94.99
AMD Ryzen 3 3200U	4578	1055	NA	NA
AMD Ryzen 3 3300U	5853	831	NA	NA
AMD Ryzen 3 4300U	8363	573	NA	NA
AMD Ryzen 3 PRO 1200	6685	748	NA	NA
AMD Ryzen 3 PRO 1300	7994	613	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	946	NA	NA
AMD Ryzen 3 PRO 2200G	8021	606	NA	NA
AMD Ryzen 3 PRO 2200GE	7460	669	NA	NA
AMD Ryzen 3 PRO 2300U	7063	708	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 3 PRO 3200G	8528	554	NA	NA
AMD Ryzen 3 PRO 3200GE	8266	580	NA	NA
AMD Ryzen 3 PRO 3300U	7019	711	NA	NA
AMD Ryzen 5 1400	8376	571	60.27	\$138.99

AMD Ryzen 5 1500X	10118	391	72.33	\$139.90
AMD Ryzen 5 1600	12301	288	110.44	\$111.38
AMD Ryzen 5 1600X	13204	258	89.83	\$146.99
AMD Ryzen 5 2400G	9322	473	60.76	\$153.42
AMD Ryzen 5 2400GE	9034	502	NA	NA
AMD Ryzen 5 2500U	7332	685	NA	NA
AMD Ryzen 5 2500X	9704	435	NA	NA
AMD Ryzen 5 2600	13502	249	112.53	\$119.99
AMD Ryzen 5 2600H	8366	572	NA	NA
AMD Ryzen 5 2600X	14360	218	104.90	\$136.89
AMD Ryzen 5 3400G	9960	407	66.40	\$149.99
AMD Ryzen 5 3500	14765	206	NA	NA
AMD Ryzen 5 3500U	7754	642	NA	NA
AMD Ryzen 5 3500X	15922	173	NA	NA
AMD Ryzen 5 3550H	8415	568	NA	NA
AMD Ryzen 5 3580U	8038	603	NA	NA
AMD Ryzen 5 3600	19865	96	113.52	\$174.99
AMD Ryzen 5 3600X	20493	85	99.98	\$204.98
AMD Ryzen 5 PRO 1500	10133	389	NA	NA
AMD Ryzen 5 PRO 1600	12213	293	NA	NA
AMD Ryzen 5 PRO 2400G	9934	409	NA	NA
AMD Ryzen 5 PRO 2400GE	8413	569	NA	NA
AMD Ryzen 5 PRO 2500U	8165	589	NA	NA
AMD Ryzen 5 PRO 2600	14221	221	NA	NA
AMD Ryzen 5 PRO 3400G	10727	349	NA	NA
AMD Ryzen 5 PRO 3400GE	10380	372	NA	NA
AMD Ryzen 5 PRO 3500U	8510	557	NA	NA
AMD Ryzen 5 PRO 3600	21586	71	NA	NA
AMD Ryzen 7 1700	13935	230	48.06	\$289.98
AMD Ryzen 7 1700X	14811	205	49.87	\$296.98
AMD Ryzen 7 1800X	15545	185	81.82	\$189.99
AMD Ryzen 7 2700	15060	197	100.44	\$149.95

AMD Ryzen 7 2700E	13410	253	NA	NA
AMD Ryzen 7 2700U	7424	674	NA	NA
AMD Ryzen 7 2700X	16928	141	102.91	\$164.49
AMD Ryzen 7 2800H	8498	558	NA	NA
AMD Ryzen 7 3700U	7983	616	NA	NA
AMD Ryzen 7 3700X	23833	54	76.88	\$309.99
AMD Ryzen 7 3750H	8867	524	NA	NA
AMD Ryzen 7 3780U	8134	592	NA	NA
AMD Ryzen 7 3800X	24492	47	72.04	\$339.98
AMD Ryzen 7 PRO 1700	14112	225	NA	NA
AMD Ryzen 7 PRO 1700X	15324	190	NA	NA
AMD Ryzen 7 PRO 2700	15178	194	NA	NA
AMD Ryzen 7 PRO 2700U	8873	522	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 7 PRO 2700X	17128	138	NA	NA
AMD Ryzen 7 PRO 3700	25915	34	NA	NA
AMD Ryzen 7 PRO 3700U	8485	560	NA	NA
AMD Ryzen 9 3900	31026	14	NA	NA
AMD Ryzen 9 3900X	31954	11	67.99	\$469.99
AMD Ryzen 9 3950X	35702	6	47.60	\$749.99
AMD Ryzen 9 PRO 3900	32899	9	NA	NA
AMD Ryzen Embedded R1505G	4578	1054	NA	NA
AMD Ryzen Embedded R1606G	5040	961	NA	NA
AMD Ryzen Embedded V1202B	4447	1082	NA	NA
AMD Ryzen Embedded V1404I	5180	935	NA	NA
AMD Ryzen Embedded V1605B	7407	679	NA	NA
AMD Ryzen Embedded V1756B	8559	552	NA	NA
AMD Ryzen Embedded V1807B	8101	598	NA	NA
AMD Ryzen Threadripper 1900X	16034	165	60.36	\$265.66
AMD Ryzen Threadripper 1920X	20131	93	97.36	\$206.77
AMD Ryzen Threadripper 1950X	21928	66	44.75	\$489.99*

AMD Ryzen Threadripper 2920X	21931	65	47.17	\$464.94
AMD Ryzen Threadripper 2950X	25248	41	36.59	\$689.99
AMD Ryzen Threadripper 2970WX	21833	70	22.98	\$949.99
AMD Ryzen Threadripper 2990WX	23162	58	14.86	\$1,558.95
AMD Ryzen Threadripper 2990X	19227	112	NA	NA
AMD Ryzen Threadripper 3960X	45845	4	32.77	\$1,399.00
AMD Ryzen Threadripper 3970X	48178	1	24.59	\$1,958.99
AMD Sempron 130	700	2513	28.03	\$24.99*
AMD Sempron 140	742	2494	18.76	\$39.59*
AMD Sempron 145	806	2467	8.50	\$94.92
AMD Sempron 150	759	2485	16.91	\$44.95*
AMD Sempron 200U	267	2898	3.08	\$87.00*
AMD Sempron 210U	391	2744	NA	NA
AMD Sempron 240	2110	1772	36.39	\$58.00
AMD Sempron 2100+	392	2742	NA	NA
AMD Sempron 2200+	282	2877	9.42	\$29.99*
AMD Sempron 2300+	318	2819	7.07	\$45.00*
AMD Sempron 2400+	314	2826	13.69	\$22.99*
AMD Sempron 2500+	334	2803	4.78	\$69.95
AMD Sempron 2600+	374	2759	10.71	\$34.95
AMD Sempron 2650 APU	951	2388	14.65	\$64.95
AMD Sempron 2800+	383	2749	9.60	\$39.95
AMD Sempron 3000+	408	2716	20.41	\$20.00
AMD Sempron 3100+	452	2669	7.53	\$60.00*
AMD Sempron 3200+	406	2719	3.31	\$122.81*
AMD Sempron 3300+	484	2639	4.39	\$110.27*
AMD Sempron 3400+	454	2667	6.50	\$69.98*
AMD Sempron 3500+	379	2752	18.98	\$20.00*
AMD Sempron 3600+	483	2641	40.30	\$12.00*
AMD Sempron 3800+	554	2585	3.62	\$152.92*
AMD Sempron 3850 APU	1718	1958	23.90	\$71.90
AMD Sempron Dual Core 2100	936	2401	24.02	\$39.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Sempron Dual Core 2200	995	2356	NA	NA
AMD Sempron Dual Core 2300	982	2364	23.39	\$41.99*
AMD Sempron Dual Core 4700	948	2392	NA	NA
AMD Sempron Dual Core 4900	1081	2308	NA	NA
AMD Sempron LE-250	490	2628	NA	NA
AMD Sempron LE-1100	437	2687	NA	NA
AMD Sempron LE-1150	439	2684	NA	NA
AMD Sempron LE-1200	529	2599	NA	NA
AMD Sempron LE-1250	543	2590	5.44	\$99.95*
AMD Sempron LE-1300	598	2562	23.92	\$25.00
AMD Sempron LE-1600	535	2595	NA	NA
AMD Sempron LE-1620	635	2543	NA	NA
AMD Sempron LE-1640	759	2487	NA	NA
AMD Sempron M100	566	2581	47.17	\$12.00*
AMD Sempron M120	582	2570	NA	NA
AMD Sempron SI-40	447	2676	37.27	\$12.00*
AMD Sempron SI-42	455	2666	15.19	\$30.01*
AMD Sempron X2 180	1391	2122	20.05	\$69.40*
AMD Sempron X2 190	1534	2059	18.39	\$83.44*
AMD Sempron X2 198 Dual-Core	1413	2115	NA	NA
AMD Turion 64 Mobile MK-36	465	2655	NA	NA
AMD Turion 64 Mobile MK-38	513	2611	NA	NA
AMD Turion 64 Mobile ML-28	390	2746	NA	NA
AMD Turion 64 Mobile ML-30	402	2726	NA	NA
AMD Turion 64 Mobile ML-32	402	2724	NA	NA
AMD Turion 64 Mobile ML-34	425	2701	NA	NA
AMD Turion 64 Mobile ML-37	446	2677	2.27	\$196.50*
AMD Turion 64 Mobile ML-40	522	2605	NA	NA
AMD Turion 64 Mobile ML-42	615	2552	NA	NA
AMD Turion 64 Mobile ML-44	591	2563	NA	NA

AMD Turion 64 Mobile MT-28	419	2704	NA	NA
AMD Turion 64 Mobile MT-30	378	2753	NA	NA
AMD Turion 64 Mobile MT-32	426	2700	NA	NA
AMD Turion 64 Mobile MT-34	429	2697	NA	NA
AMD Turion 64 Mobile MT-37	484	2638	NA	NA
AMD Turion 64 Mobile MT-40	536	2594	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2492	14.95	\$49.99*
AMD Turion 64 X2 Mobile TL-52	760	2483	NA	NA
AMD Turion 64 X2 Mobile TL-56	891	2427	63.89	\$13.95*
AMD Turion 64 X2 Mobile TL-58	951	2389	NA	NA
AMD Turion 64 X2 Mobile TL-60	999	2352	62.67	\$15.95*
AMD Turion 64 X2 Mobile TL-62	1092	2298	3.51	\$311.00*
AMD Turion 64 X2 Mobile TL-64	1090	2299	27.69	\$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2272	3.02	\$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2260	12.92	\$90.00*
AMD Turion Dual-Core RM-70	912	2417	36.49	\$25.00*
AMD Turion Dual-Core RM-72	860	2437	21.52	\$39.99*
AMD Turion Dual-Core RM-74	1016	2341	NA	NA
AMD Turion Dual-Core RM-75	1019	2338	37.11	\$27.46*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion II Dual-Core Mobile M500	1294	2177	NA	NA
AMD Turion II Dual-Core Mobile M520	1307	2169	18.92	\$69.10*
AMD Turion II Dual-Core Mobile M540	1338	2154	NA	NA
AMD Turion II N530 Dual-Core	1567	2045	52.24	\$30.00*
AMD Turion II N550 Dual-Core	1521	2062	NA	NA
AMD Turion II Neo K625 Dual-Core	977	2366	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2243	NA	NA
AMD Turion II Neo N40L Dual-Core	930	2404	NA	NA
AMD Turion II Neo N54L Dual-Core	1358	2143	NA	NA
AMD Turion II P520 Dual-Core	1360	2140	NA	NA
AMD Turion II P540 Dual-Core	1432	2107	28.68	\$49.95*

<u>AMD Turion II P560 Dual-Core</u>	1513	2071	NA	NA
<u>AMD Turion II Ultra Dual-Core Mobile M600</u>	1406	2117	<u>52.55</u>	<u>\$26.76*</u>
<u>AMD Turion II Ultra Dual-Core Mobile M620</u>	1435	2105	NA	NA
<u>AMD Turion II Ultra Dual-Core Mobile M640</u>	1670	1988	NA	NA
<u>AMD Turion II Ultra Dual-Core Mobile M660</u>	1533	2060	NA	NA
<u>AMD Turion Neo X2 Dual Core L625</u>	813	2463	NA	NA
<u>AMD Turion X2 Dual Core L510</u>	923	2410	NA	NA
<u>AMD Turion X2 Dual Core Mobile RM-70</u>	858	2438	<u>6.48</u>	<u>\$132.56*</u>
<u>AMD Turion X2 Dual Core Mobile RM-76</u>	1059	2316	NA	NA
<u>AMD Turion X2 Dual-Core Mobile RM-70</u>	994	2360	NA	NA
<u>AMD Turion X2 Dual-Core Mobile RM-72</u>	1084	2302	<u>4.84</u>	<u>\$224.26*</u>
<u>AMD Turion X2 Dual-Core Mobile RM-74</u>	1064	2313	<u>43.52</u>	<u>\$24.47*</u>
<u>AMD Turion X2 Dual-Core Mobile RM-75</u>	1120	2277	NA	NA
<u>AMD Turion X2 Dual-Core Mobile RM-77</u>	1149	2268	NA	NA
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-80</u>	1023	2334	<u>16.51</u>	<u>\$62.00*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-82</u>	1084	2304	NA	NA
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-84</u>	1209	2231	<u>63.72</u>	<u>\$18.99*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-85</u>	1234	2217	<u>27.43</u>	<u>\$45.00*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-86</u>	1295	2176	<u>23.56</u>	<u>\$55.00*</u>
<u>AMD Turion X2 Ultra Dual-Core Mobile ZM-87</u>	1217	2226	<u>30.48</u>	<u>\$39.95*</u>
<u>AMD TurionX2 Dual Core Mobile RM-70</u>	997	2354	NA	NA
<u>AMD TurionX2 Dual Core Mobile RM-72</u>	1026	2331	NA	NA
<u>AMD TurionX2 Ultra DualCore Mobile ZM-85</u>	1454	2097	NA	NA
<u>AMD V105</u>	299	2846	NA	NA
<u>AMD V120</u>	623	2550	NA	NA
<u>AMD V140</u>	641	2542	<u>12.84</u>	<u>\$49.95*</u>
<u>AMD V160</u>	677	2525	NA	NA
<u>AMD Z-01</u>	523	2603	NA	NA
<u>AMD Z-60 APU</u>	500	2621	NA	NA

<u>AMD-K6 3D</u>	90	3022	NA	NA
<u>AMD-K6-III</u>	108	3019	NA	NA
<u>AMD-K7</u>	403	2723	NA	NA
<u>Athlon 64 Dual Core 3800+</u>	1234	2218	NA	NA
<u>Athlon 64 Dual Core 4200+</u>	1156	2264	5.64	\$204.95*
<u>Athlon 64 Dual Core 4800+</u>	1370	2136	NA	NA
<u>Athlon 64 Dual Core 5000+</u>	1507	2073	NA	NA
<u>Athlon 64 Dual Core 5400+</u>	1614	2025	NA	NA
<u>Athlon 64 Dual Core 5600+</u>	1548	2053	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>Athlon Dual Core 4050e</u>	968	2373	NA	NA
<u>Athlon Dual Core 4450e</u>	1204	2235	NA	NA
<u>Athlon Dual Core 4850e</u>	1346	2149	NA	NA
<u>Celeron Dual-Core Q8300 @ 2.50GHz</u>	2837	1503	NA	NA
<u>Celeron Dual-Core T3000 @ 1.80GHz</u>	1083	2305	NA	NA
<u>Celeron Dual-Core T3100 @ 1.90GHz</u>	1176	2249	28.00	\$42.00*
<u>Celeron Dual-Core T3300 @ 2.00GHz</u>	1200	2237	NA	NA
<u>Celeron Dual-Core T3500 @ 2.10GHz</u>	1273	2196	NA	NA
<u>Dual-Core AMD Opteron 1220 SE</u>	1206	2233	NA	NA
<u>HP Hexa-Core 2.0GHz</u>	2178	1744	4.32	\$504.27*
<u>Intel 2.80GHz</u>	525	2602	NA	NA
<u>Intel 1300 @ 1.66GHz</u>	857	2439	NA	NA
<u>Intel 1400 @ 1.83GHz</u>	980	2365	NA	NA
<u>Intel 1500 @ 2.00GHz</u>	1024	2332	NA	NA
<u>Intel Atom 230 @ 1.60GHz</u>	307	2833	NA	NA
<u>Intel Atom 330 @ 1.60GHz</u>	586	2567	NA	NA
<u>Intel Atom C2338 @ 1.74GHz</u>	898	2425	NA	NA
<u>Intel Atom C2358 @ 1.74GHz</u>	961	2382	NA	NA
<u>Intel Atom C2538 @ 2.40GHz</u>	2085	1781	20.05	\$104.00*
<u>Intel Atom C2550 @ 2.40GHz</u>	2141	1757	NA	NA
<u>Intel Atom C2558 @ 2.40GHz</u>	2169	1747	15.95	\$136.00*

Intel Atom C2750 @ 2.40GHz	3768	1222	16.24	\$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1333	NA	NA
Intel Atom C2758 @ 2.40GHz	3162	1390	14.72	\$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1634	32.73	\$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1604	29.52	\$86.00*
Intel Atom C3858 @ 2.00GHz	4852	1002	14.62	\$332.00*
Intel Atom C3958 @ 2.00GHz	6586	759	14.67	\$449.00*
Intel Atom D410 @ 1.66GHz	301	2842	0.47	\$635.99*
Intel Atom D425 @ 1.80GHz	345	2794	0.35	\$992.98*
Intel Atom D510 @ 1.66GHz	658	2533	6.78	\$97.16*
Intel Atom D525 @ 1.80GHz	706	2508	NA	NA
Intel Atom D2500 @ 1.86GHz	408	2714	NA	NA
Intel Atom D2550 @ 1.86GHz	681	2523	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2505	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2448	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2502	NA	NA
Intel Atom E660 @ 1.30GHz	271	2893	5.03	\$54.00*
Intel Atom E680 @ 1.60GHz	346	2791	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2808	1.58	\$209.99
Intel Atom E3825 @ 1.33GHz	579	2572	8.24	\$70.32*
Intel Atom E3826 @ 1.46GHz	489	2629	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2444	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2261	NA	NA
Intel Atom E3845 @ 1.91GHz	1504	2075	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1889	NA	NA
Intel Atom E3950 @ 1.60GHz	1886	1883	NA	NA
Intel Atom K510 @ 1.66GHz	658	2532	NA	NA
Intel Atom N270 @ 1.60GHz	269	2897	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom N280 @ 1.66GHz	282	2878	NA	NA
Intel Atom N435 @ 1.33GHz	261	2905	NA	NA

Intel Atom N450 @ 1.66GHz	297	2851	NA	NA
Intel Atom N455 @ 1.66GHz	283	2874	NA	NA
Intel Atom N470 @ 1.83GHz	332	2807	NA	NA
Intel Atom N475 @ 1.83GHz	314	2824	NA	NA
Intel Atom N550 @ 1.50GHz	523	2604	6.09	\$86.00*
Intel Atom N570 @ 1.66GHz	574	2577	6.68	\$86.00*
Intel Atom N2100 @ 1.60GHz	302	2838	NA	NA
Intel Atom N2600 @ 1.60GHz	527	2600	NA	NA
Intel Atom N2800 @ 1.86GHz	625	2549	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2413	14.32	\$64.00*
Intel Atom T5700 @ 1.70GHz	2039	1802	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2464	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1568	2044	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1190	2240	8.95	\$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1029	2329	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1275	2194	60.74	\$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1692	1979	27.05	\$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1832	1907	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1892	1878	25.70	\$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1899	1873	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2973	4.33	\$45.00*
Intel Atom Z515 @ 1.20GHz	218	2949	NA	NA
Intel Atom Z520 @ 1.33GHz	218	2948	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2882	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2788	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2750	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2929	NA	NA
Intel Atom Z2760 @ 1.80GHz	570	2579	NA	NA
Intel Atom Z3735D @ 1.33GHz	937	2399	NA	NA
Intel Atom Z3735E @ 1.33GHz	948	2393	8.10	\$117.00*
Intel Atom Z3735F @ 1.33GHz	914	2414	5.04	\$181.30*
Intel Atom Z3735G @ 1.33GHz	906	2421	NA	NA

Intel Atom Z3736F @ 1.33GHz	912	2416	NA	NA
Intel Atom Z3740 @ 1.33GHz	1068	2311	NA	NA
Intel Atom Z3740D @ 1.33GHz	1011	2343	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2309	35.98	\$30.00*
Intel Atom Z3745D @ 1.33GHz	1018	2340	NA	NA
Intel Atom Z3770 @ 1.46GHz	1252	2208	8.38	\$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2468	NA	NA
Intel Atom Z3775 @ 1.46GHz	1275	2193	36.45	\$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2190	NA	NA
Intel Atom Z3795 @ 1.60GHz	1798	1921	NA	NA
Intel Celeron 1.70GHz	129	3014	NA	NA
Intel Celeron 1.80GHz	136	3010	NA	NA
Intel Celeron 2.00GHz	182	2985	NA	NA
Intel Celeron 2.10GHz	244	2927	NA	NA
Intel Celeron 2.13GHz	208	2960	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 2.20GHz	213	2955	NA	NA
Intel Celeron 2.26GHz	223	2944	NA	NA
Intel Celeron 2.30GHz	227	2941	NA	NA
Intel Celeron 2.40GHz	217	2950	NA	NA
Intel Celeron 2.50GHz	247	2921	NA	NA
Intel Celeron 2.53GHz	245	2925	NA	NA
Intel Celeron 2.60GHz	238	2931	NA	NA
Intel Celeron 2.66GHz	249	2919	NA	NA
Intel Celeron 2.70GHz	245	2926	NA	NA
Intel Celeron 2.80GHz	255	2911	NA	NA
Intel Celeron 2.93GHz	283	2873	NA	NA
Intel Celeron 3.06GHz	284	2871	NA	NA
Intel Celeron 3.20GHz	289	2862	NA	NA
Intel Celeron 3.33GHz	333	2805	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2814	NA	NA

Intel Celeron 220 @ 1.20GHz	320	2816	NA	NA
Intel Celeron 420 @ 1.60GHz	451	2670	11.29	\$39.99*
Intel Celeron 430 @ 1.80GHz	487	2630	10.33	\$47.18
Intel Celeron 440 @ 2.00GHz	544	2588	9.07	\$59.99
Intel Celeron 450 @ 2.20GHz	626	2548	20.90	\$29.99*
Intel Celeron 530 @ 1.73GHz	474	2648	20.62	\$22.99*
Intel Celeron 540 @ 1.86GHz	521	2606	NA	NA
Intel Celeron 550 @ 2.00GHz	519	2607	7.99	\$64.95*
Intel Celeron 560 @ 2.13GHz	531	2597	6.65	\$79.95
Intel Celeron 570 @ 2.26GHz	517	2608	NA	NA
Intel Celeron 600MHz	147	3006	NA	NA
Intel Celeron 723 @ 1.20GHz	390	2745	NA	NA
Intel Celeron 743 @ 1.30GHz	421	2703	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2490	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2766	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2553	NA	NA
Intel Celeron 847 @ 1.10GHz	936	2402	2.97	\$315.00*
Intel Celeron 847E @ 1.10GHz	1021	2336	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2270	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2252	39.12	\$29.99*
Intel Celeron 877 @ 1.40GHz	1291	2179	NA	NA
Intel Celeron 887 @ 1.50GHz	1276	2192	NA	NA
Intel Celeron 900 @ 2.20GHz	676	2526	23.33	\$28.99
Intel Celeron 925 @ 2.30GHz	689	2518	NA	NA
Intel Celeron 1000M @ 1.80GHz	1669	1991	NA	NA
Intel Celeron 1000MHz	213	2953	NA	NA
Intel Celeron 1005M @ 1.90GHz	1808	1916	NA	NA
Intel Celeron 1007U @ 1.50GHz	1389	2125	7.51	\$184.99*
Intel Celeron 1017U @ 1.60GHz	1502	2078	NA	NA
Intel Celeron 1019Y @ 1.00GHz	954	2387	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1724	NA	NA
Intel Celeron 1020M @ 2.10GHz	2023	1809	NA	NA

Intel Celeron 1037U @ 1.80GHz	1734	1952	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2242	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 1066MHz	259	2907	NA	NA
Intel Celeron 1100MHz	174	2992	NA	NA
Intel Celeron 1133MHz	282	2875	NA	NA
Intel Celeron 1200MHz	244	2928	NA	NA
Intel Celeron 1300MHz	288	2865	NA	NA
Intel Celeron 1333MHz	290	2859	NA	NA
Intel Celeron 1400MHz	302	2839	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1671	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	2028	18.67	\$86.00*
Intel Celeron 2950M @ 2.00GHz	1967	1837	NA	NA
Intel Celeron 2955U @ 1.40GHz	1413	2116	NA	NA
Intel Celeron 2957U @ 1.40GHz	1433	2106	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2287	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1687	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	2037	NA	NA
Intel Celeron 2981U @ 1.60GHz	1383	2126	NA	NA
Intel Celeron 3205U @ 1.50GHz	1495	2080	5.21	\$287.04*
Intel Celeron 3215U @ 1.70GHz	1652	2006	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1972	NA	NA
Intel Celeron 3765U @ 1.90GHz	1948	1848	NA	NA
Intel Celeron 3855U @ 1.60GHz	1663	1999	NA	NA
Intel Celeron 3865U @ 1.80GHz	1904	1869	NA	NA
Intel Celeron 3867U @ 1.80GHz	1862	1893	17.41	\$107.00*
Intel Celeron 3955U @ 2.00GHz	1970	1834	NA	NA
Intel Celeron 3965U @ 2.20GHz	2369	1668	22.14	\$107.00*
Intel Celeron 3965Y @ 1.50GHz	1607	2027	15.03	\$107.00*
Intel Celeron 4205U @ 1.80GHz	1977	1829	18.48	\$107.00*
Intel Celeron 4305UE @ 2.00GHz	2584	1586	NA	NA

Intel Celeron @ 1.30GHz	965	2376	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2979	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2461	NA	NA
Intel Celeron B800 @ 1.50GHz	1273	2195	NA	NA
Intel Celeron B810 @ 1.60GHz	1399	2119	NA	NA
Intel Celeron B815 @ 1.60GHz	1366	2138	NA	NA
Intel Celeron B820 @ 1.70GHz	1430	2108	36.42	\$39.29*
Intel Celeron B830 @ 1.80GHz	1513	2072	NA	NA
Intel Celeron B840 @ 1.90GHz	1715	1961	NA	NA
Intel Celeron D 347 @ 3.06GHz	271	2894	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2840	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2821	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2800	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2721	4.50	\$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2642	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2568	NA	NA
Intel Celeron E1200 @ 1.60GHz	861	2435	8.61	\$99.99
Intel Celeron E1400 @ 2.00GHz	1053	2319	15.05	\$69.99
Intel Celeron E1500 @ 2.20GHz	1168	2256	59.47	\$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2204	NA	NA
Intel Celeron E3200 @ 2.40GHz	1379	2131	26.54	\$51.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron E3300 @ 2.50GHz	1389	2124	43.44	\$31.99
Intel Celeron E3400 @ 2.60GHz	1440	2103	2.36	\$610.00*
Intel Celeron E3500 @ 2.70GHz	1454	2096	36.37	\$39.99*
Intel Celeron G440 @ 1.60GHz	694	2515	13.90	\$49.99*
Intel Celeron G460 @ 1.80GHz	1040	2325	16.01	\$65.00
Intel Celeron G465 @ 1.90GHz	1064	2314	10.64	\$100.00*
Intel Celeron G470 @ 2.00GHz	1298	2174	NA	NA
Intel Celeron G530 @ 2.40GHz	2125	1766	53.16	\$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1959	NA	NA

Intel Celeron G540 @ 2.50GHz	2197	1740	48.84	\$45.00*
Intel Celeron G540T @ 2.10GHz	2067	1792	NA	NA
Intel Celeron G550 @ 2.60GHz	2290	1695	28.63	\$80.00
Intel Celeron G550T @ 2.20GHz	2032	1805	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1648	22.23	\$109.00
Intel Celeron G1101 @ 2.27GHz	1667	1995	84.34	\$19.77*
Intel Celeron G1610 @ 2.60GHz	2488	1625	52.96	\$47.00
Intel Celeron G1610T @ 2.30GHz	2258	1711	56.42	\$40.04*
Intel Celeron G1620 @ 2.70GHz	2578	1588	39.67	\$64.99
Intel Celeron G1620T @ 2.40GHz	2362	1673	56.26	\$42.00*
Intel Celeron G1630 @ 2.80GHz	2507	1617	35.83	\$69.99
Intel Celeron G1820 @ 2.70GHz	2750	1536	63.97	\$42.99
Intel Celeron G1820T @ 2.40GHz	2495	1624	59.42	\$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1762	NA	NA
Intel Celeron G1830 @ 2.80GHz	2568	1593	27.05	\$94.95*
Intel Celeron G1840 @ 2.80GHz	2860	1499	47.90	\$59.72
Intel Celeron G1840T @ 2.50GHz	2554	1598	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1478	36.38	\$79.99*
Intel Celeron G3900 @ 2.80GHz	3112	1410	72.05	\$43.20
Intel Celeron G3900E @ 2.40GHz	2679	1554	25.05	\$107.00*
Intel Celeron G3900T @ 2.60GHz	2925	1474	26.01	\$112.46*
Intel Celeron G3900TE @ 2.30GHz	2591	1582	61.71	\$42.00*
Intel Celeron G3920 @ 2.90GHz	3129	1403	27.45	\$113.99*
Intel Celeron G3930 @ 2.90GHz	3042	1433	33.96	\$89.59*
Intel Celeron G3930T @ 2.70GHz	2766	1528	69.25	\$39.95
Intel Celeron G3930TE @ 2.70GHz	2946	1463	70.17	\$42.00*
Intel Celeron G3950 @ 3.00GHz	3095	1414	28.39	\$109.04*
Intel Celeron G4900 @ 3.10GHz	3295	1349	41.20	\$79.99*
Intel Celeron G4900T @ 2.90GHz	3088	1418	73.54	\$42.00*
Intel Celeron G4920 @ 3.20GHz	3255	1358	48.60	\$66.99
Intel Celeron G4930 @ 3.20GHz	3503	1294	61.03	\$57.41
Intel Celeron J1750 @ 2.41GHz	1037	2327	NA	NA

Intel Celeron J1800 @ 2.41GHz	1018	2339	NA	NA
Intel Celeron J1850 @ 1.99GHz	1617	2022	NA	NA
Intel Celeron J1900 @ 1.99GHz	1853	1897	NA	NA
Intel Celeron J3060 @ 1.60GHz	976	2369	NA	NA
Intel Celeron J3160 @ 1.60GHz	1795	1922	NA	NA
Intel Celeron J3355 @ 2.00GHz	1168	2257	NA	NA
Intel Celeron J3455 @ 1.50GHz	2107	1773	6.02	\$349.99
Intel Celeron J4005 @ 2.00GHz	1552	2051	10.45	\$148.60
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron J4105 @ 1.50GHz	2644	1565	24.71	\$107.00*
Intel Celeron M 1.00GHz	213	2954	16.96	\$12.59
Intel Celeron M 1.30GHz	316	2820	NA	NA
Intel Celeron M 1.50GHz	344	2796	NA	NA
Intel Celeron M 1.60GHz	362	2777	NA	NA
Intel Celeron M 1.70GHz	393	2740	NA	NA
Intel Celeron M 360 1.40GHz	328	2810	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2822	NA	NA
Intel Celeron M 420 @ 1.60GHz	334	2804	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2768	NA	NA
Intel Celeron M 440 @ 1.86GHz	392	2741	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2913	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2672	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2695	NA	NA
Intel Celeron M 530 @ 1.73GHz	469	2651	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2591	NA	NA
Intel Celeron M 600MHz	151	3004	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2665	NA	NA
Intel Celeron M 900MHz	205	2961	NA	NA
Intel Celeron M 1200MHz	275	2890	NA	NA
Intel Celeron M 1300MHz	303	2836	NA	NA
Intel Celeron M 1500MHz	333	2806	NA	NA

Intel Celeron M ULV 800MHz	184	2983	NA	NA
Intel Celeron N2805 @ 1.46GHz	460	2662	NA	NA
Intel Celeron N2806 @ 1.60GHz	799	2469	NA	NA
Intel Celeron N2807 @ 1.58GHz	861	2436	NA	NA
Intel Celeron N2808 @ 1.58GHz	907	2420	NA	NA
Intel Celeron N2810 @ 2.00GHz	788	2474	5.64	\$139.99*
Intel Celeron N2815 @ 1.86GHz	856	2441	NA	NA
Intel Celeron N2820 @ 2.13GHz	936	2400	4.16	\$225.00
Intel Celeron N2830 @ 2.16GHz	965	2375	NA	NA
Intel Celeron N2840 @ 2.16GHz	1002	2349	NA	NA
Intel Celeron N2910 @ 1.60GHz	1189	2241	NA	NA
Intel Celeron N2920 @ 1.86GHz	1515	2070	NA	NA
Intel Celeron N2930 @ 1.83GHz	1659	2003	NA	NA
Intel Celeron N2940 @ 1.83GHz	1718	1957	NA	NA
Intel Celeron N3000 @ 1.04GHz	899	2423	NA	NA
Intel Celeron N3010 @ 1.04GHz	967	2374	NA	NA
Intel Celeron N3050 @ 1.60GHz	879	2428	5.25	\$167.58
Intel Celeron N3060 @ 1.60GHz	983	2363	NA	NA
Intel Celeron N3150 @ 1.60GHz	1666	1996	NA	NA
Intel Celeron N3160 @ 1.60GHz	1671	1987	5.97	\$279.99
Intel Celeron N3350 @ 1.10GHz	1117	2278	4.36	\$256.05*
Intel Celeron N3450 @ 1.10GHz	1851	1899	10.00	\$185.08*
Intel Celeron N4000 @ 1.10GHz	1430	2109	13.36	\$107.00*
Intel Celeron N4000C @ 1.10GHz	1226	2221	NA	NA
Intel Celeron N4100 @ 1.10GHz	2239	1721	20.93	\$107.00*
Intel Celeron N4120 @ 1.10GHz	1919	1863	NA	NA
Intel Celeron P4500 @ 1.87GHz	1116	2280	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron P4505 @ 1.87GHz	994	2358	NA	NA
Intel Celeron P4600 @ 2.00GHz	1328	2158	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2478	NA	NA

Intel Celeron T1600 @ 1.66GHz	941	2398	47.08	\$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2317	35.29	\$29.99*
Intel Celeron U1900 @ 1.99GHz	1704	1971	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2500	NA	NA
Intel Celeron U3405 @ 1.07GHz	684	2520	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2466	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1052	2320	6.58	\$159.95*
Intel Core2 Duo E4400 @ 2.00GHz	1159	2263	23.19	\$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1272	2198	17.85	\$71.25*
Intel Core2 Duo E4600 @ 2.40GHz	1383	2127	8.76	\$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	2087	54.89	\$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1108	2290	85.30	\$12.99*
Intel Core2 Duo E6320 @ 1.86GHz	1185	2245	23.71	\$49.99*
Intel Core2 Duo E6400 @ 2.13GHz	1288	2182	43.02	\$29.95*
Intel Core2 Duo E6420 @ 2.13GHz	1359	2142	27.20	\$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1451	2100	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1497	2079	100.17	\$14.95*
Intel Core2 Duo E6600 @ 2.40GHz	1554	2050	103.71	\$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1693	1978	56.46	\$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1712	1964	166.28	\$10.30*
Intel Core2 Duo E6850 @ 3.00GHz	1940	1849	38.82	\$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1625	2020	33.17	\$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1726	1953	43.29	\$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1770	1934	61.06	\$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1873	1887	124.98	\$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1957	1843	16.32	\$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1490	2082	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1789	1926	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1882	1884	37.66	\$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1845	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1675	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1987	1823	99.44	\$19.99*

Intel Core2 Duo E8335 @ 2.66GHz	1855	1895	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1765	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2148	1756	47.21	\$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2068	1791	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2278	1701	56.99	\$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2398	1658	56.51	\$42.45*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1734	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2482	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2521	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	825	2456	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2446	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	961	2381	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	969	2372	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2279	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo L9300 @ 1.60GHz	1081	2307	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1346	2148	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1289	2181	64.52	\$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1311	2165	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1417	2113	35.44	\$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2395	NA	NA
Intel Core2 Duo P7550 @ 2.26GHz	1518	2066	6.60	\$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1455	2095	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2335	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1452	2098	4.89	\$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	2058	31.25	\$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1622	2021	42.71	\$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1739	1948	30.53	\$56.99*
Intel Core2 Duo P9300 @ 2.26GHz	1564	2047	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1749	1944	1.75	\$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1754	1942	17.72	\$99.00*

Intel Core2 Duo P9600 @ 2.66GHz	1867	1890	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2016	1814	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2566	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1252	2209	4.95	\$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1675	1985	5.90	\$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	927	2406	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	831	2452	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	839	2450	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2462	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	935	2403	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	914	2415	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2419	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	923	2411	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1040	2326	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2330	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2359	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1094	2296	109.60	\$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2283	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1206	2234	75.86	\$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1151	2267	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1211	2230	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1226	2222	81.79	\$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1284	2187	85.71	\$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1258	2203	32.68	\$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1358	2144	71.89	\$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1360	2141	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1019	2337	46.34	\$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1167	2258	11.68	\$99.95*
Intel Core2 Duo T7250 @ 2.00GHz	1115	2282	5.54	\$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1195	2238	38.56	\$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1249	2212	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1272	2197	29.60	\$42.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo T7600 @ 2.33GHz	1378	2133	12.54	\$109.95
Intel Core2 Duo T7700 @ 2.40GHz	1423	2111	10.17	\$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1601	2032	2.63	\$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1298	2175	1.30	\$999.99*
Intel Core2 Duo T8300 @ 2.40GHz	1472	2091	13.51	\$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1675	1984	28.90	\$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1736	1951	38.63	\$44.95*
Intel Core2 Duo T9500 @ 2.60GHz	1792	1925	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1804	1918	6.04	\$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1927	1857	21.43	\$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2000	1819	4.72	\$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2137	1758	5.36	\$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	868	2433	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2564	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	668	2528	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2514	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	855	2442	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1129	2276	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1981	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1256	3.25	\$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3624	1259	2.42	\$1,495.95*
Intel Core2 Extreme Q9200 @ 2.40GHz	3415	1312	NA	NA
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1306	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1873	1888	7.11	\$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1798	1920	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	2156	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1688	1980	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1894	1875	4.62	\$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2076	1786	2.44	\$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4155	1145	4.83	\$859.99*

Intel Core2 Extreme X9750 @ 3.16GHz	4504	1071	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4608	1045	2.86	\$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	1035	2.57	\$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2946	1464	73.70	\$39.98*
Intel Core2 Quad Q6700 @ 2.66GHz	3277	1352	72.86	\$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2805	1514	122.04	\$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2978	1452	59.58	\$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3161	1391	13.18	\$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2516	1612	6.47	\$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1364	8.40	\$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3152	1398	15.80	\$199.50*
Intel Core2 Quad Q9400 @ 2.66GHz	3336	1340	69.47	\$48.03*
Intel Core2 Quad Q9450 @ 2.66GHz	3755	1228	105.19	\$35.70*
Intel Core2 Quad Q9500 @ 2.83GHz	3511	1292	100.37	\$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3518	1288	18.52	\$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3959	1178	89.01	\$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4152	1146	25.96	\$159.95
Intel Core2 Quad Q9705 @ 3.16GHz	3947	1182	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2779	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2829	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Solo U3300 @ 1.20GHz	415	2707	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	465	2654	NA	NA
Intel Core 330 @ 1.60GHz	643	2539	NA	NA
Intel Core 860 @ 2.80GHz	4555	1057	57.67	\$79.00
Intel Core Duo L2300 @ 1.50GHz	719	2503	NA	NA
Intel Core Duo L2400 @ 1.66GHz	705	2511	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2491	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2517	NA	NA
Intel Core Duo T2250 @ 1.73GHz	755	2488	NA	NA
Intel Core Duo T2300 @ 1.66GHz	726	2498	NA	NA

Intel Core Duo T2350 @ 1.86GHz	761	2481	NA	NA
Intel Core Duo T2400 @ 1.83GHz	793	2473	49.62	\$16.00*
Intel Core Duo T2450 @ 2.00GHz	822	2458	NA	NA
Intel Core Duo T2500 @ 2.00GHz	863	2434	7.20	\$119.99*
Intel Core Duo T2600 @ 2.16GHz	943	2396	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2333	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2589	NA	NA
Intel Core Duo U2500 @ 1.20GHz	507	2617	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1852	NA	NA
Intel Core i3-330M @ 2.13GHz	1784	1929	11.16	\$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2310	NA	NA
Intel Core i3-350M @ 2.27GHz	1892	1877	54.62	\$34.65
Intel Core i3-370M @ 2.40GHz	2015	1815	57.90	\$34.81
Intel Core i3-380M @ 2.53GHz	2091	1777	38.39	\$54.49
Intel Core i3-380UM @ 1.33GHz	1160	2262	NA	NA
Intel Core i3-390M @ 2.67GHz	2168	1748	55.69	\$38.95*
Intel Core i3-530 @ 2.93GHz	2564	1595	69.31	\$37.00
Intel Core i3-540 @ 3.07GHz	2684	1553	37.07	\$72.41
Intel Core i3-550 @ 3.20GHz	2828	1505	16.10	\$175.74*
Intel Core i3-560 @ 3.33GHz	2935	1468	16.31	\$179.95
Intel Core i3-1005G1 @ 1.20GHz	6098	807	21.70	\$281.00*
Intel Core i3-2100 @ 3.10GHz	3694	1248	76.58	\$48.24
Intel Core i3-2100T @ 2.50GHz	3003	1444	50.06	\$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1235	64.41	\$58.00*
Intel Core i3-2105 @ 3.10GHz	3716	1241	32.32	\$114.99*
Intel Core i3-2120 @ 3.30GHz	3932	1189	112.35	\$35.00
Intel Core i3-2120T @ 2.60GHz	3160	1394	126.46	\$24.99*
Intel Core i3-2125 @ 3.30GHz	4018	1166	19.41	\$207.00*
Intel Core i3-2130 @ 3.40GHz	4075	1158	114.83	\$35.49
Intel Core i3-2140 @ 3.50GHz	4325	1108	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1501	12.62	\$225.00*
Intel Core i3-2310M @ 2.10GHz	2434	1644	62.72	\$38.81*

Intel Core i3-2312M @ 2.10GHz	2374	1666	NA	NA
Intel Core i3-2328M @ 2.20GHz	2545	1601	27.38	\$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1425	NA	NA
Intel Core i3-2330M @ 2.20GHz	2529	1608	50.64	\$49.95
Intel Core i3-2332M @ 2.20GHz	2382	1663	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1956	NA	NA
Intel Core i3-2348M @ 2.30GHz	2625	1571	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-2350M @ 2.30GHz	2630	1570	82.51	\$31.88*
Intel Core i3-2357M @ 1.30GHz	1556	2049	NA	NA
Intel Core i3-2365M @ 1.40GHz	1682	1983	NA	NA
Intel Core i3-2367M @ 1.40GHz	1705	1970	NA	NA
Intel Core i3-2370M @ 2.40GHz	2778	1524	69.79	\$39.81
Intel Core i3-2375M @ 1.50GHz	1775	1932	NA	NA
Intel Core i3-2377M @ 1.50GHz	1824	1911	NA	NA
Intel Core i3-3110M @ 2.40GHz	3083	1421	38.57	\$79.95*
Intel Core i3-3120M @ 2.50GHz	3228	1368	111.70	\$28.90
Intel Core i3-3130M @ 2.60GHz	3389	1323	NA	NA
Intel Core i3-3210 @ 3.20GHz	4044	1160	20.33	\$199.00*
Intel Core i3-3217U @ 1.80GHz	2306	1689	10.03	\$229.99*
Intel Core i3-3217UE @ 1.60GHz	2162	1751	NA	NA
Intel Core i3-3220 @ 3.30GHz	4248	1124	86.71	\$49.00
Intel Core i3-3220T @ 2.80GHz	3696	1246	27.38	\$135.00
Intel Core i3-3225 @ 3.30GHz	4347	1102	13.38	\$324.99*
Intel Core i3-3227U @ 1.90GHz	2471	1630	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1974	NA	NA
Intel Core i3-3240 @ 3.40GHz	4316	1112	78.48	\$55.00
Intel Core i3-3240T @ 2.90GHz	3666	1254	NA	NA
Intel Core i3-3245 @ 3.40GHz	4473	1079	32.89	\$135.99
Intel Core i3-3250 @ 3.50GHz	4449	1081	63.56	\$70.00
Intel Core i3-3250T @ 3.00GHz	3614	1261	NA	NA

Intel Core i3-4000M @ 2.40GHz	3257	1357	16.29	\$199.95*
Intel Core i3-4005U @ 1.70GHz	2447	1640	NA	NA
Intel Core i3-4010U @ 1.70GHz	2445	1641	11.70	\$209.00
Intel Core i3-4010Y @ 1.30GHz	1900	1872	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2164	1750	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2214	1732	NA	NA
Intel Core i3-4025U @ 1.90GHz	2789	1518	NA	NA
Intel Core i3-4030U @ 1.90GHz	2720	1543	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1618	NA	NA
Intel Core i3-4100M @ 2.50GHz	3443	1308	15.76	\$218.57*
Intel Core i3-4110M @ 2.60GHz	3854	1200	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1485	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1432	NA	NA
Intel Core i3-4130 @ 3.40GHz	4806	1010	54.62	\$88.00
Intel Core i3-4130T @ 2.90GHz	4156	1143	16.72	\$248.56*
Intel Core i3-4150 @ 3.50GHz	4905	993	24.72	\$198.44
Intel Core i3-4150T @ 3.00GHz	4228	1127	18.39	\$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1476	NA	NA
Intel Core i3-4160 @ 3.60GHz	5052	959	56.15	\$89.99
Intel Core i3-4160T @ 3.10GHz	4473	1078	29.82	\$149.99*
Intel Core i3-4170 @ 3.70GHz	5190	933	32.78	\$158.31
Intel Core i3-4170T @ 3.20GHz	4501	1072	21.44	\$209.95*
Intel Core i3-4330 @ 3.50GHz	5087	949	12.72	\$399.95
Intel Core i3-4330T @ 3.00GHz	4507	1069	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1374	NA	NA
Intel Core i3-4340 @ 3.60GHz	5245	924	30.86	\$169.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-4350 @ 3.60GHz	4990	975	29.36	\$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	1115	NA	NA
Intel Core i3-4360 @ 3.70GHz	5446	891	21.03	\$259.00
Intel Core i3-4360T @ 3.20GHz	4636	1036	NA	NA

Intel Core i3-4370 @ 3.80GHz	5617	862	18.18	\$309.00*
Intel Core i3-4370T @ 3.30GHz	4924	988	35.68	\$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	985	NA	NA
Intel Core i3-5005U @ 2.00GHz	2904	1483	NA	NA
Intel Core i3-5010U @ 2.10GHz	3061	1429	9.06	\$337.76*
Intel Core i3-5015U @ 2.10GHz	2983	1451	NA	NA
Intel Core i3-5020U @ 2.20GHz	3199	1375	6.97	\$459.00*
Intel Core i3-5157U @ 2.50GHz	3670	1253	NA	NA
Intel Core i3-6006U @ 2.00GHz	3078	1424	NA	NA
Intel Core i3-6098P @ 3.60GHz	5389	901	40.29	\$133.74*
Intel Core i3-6100 @ 3.70GHz	5486	884	42.53	\$128.99
Intel Core i3-6100E @ 2.70GHz	3769	1221	NA	NA
Intel Core i3-6100H @ 2.70GHz	4188	1135	NA	NA
Intel Core i3-6100T @ 3.20GHz	4860	1000	36.01	\$134.99*
Intel Core i3-6100TE @ 2.70GHz	4328	1107	NA	NA
Intel Core i3-6100U @ 2.30GHz	3604	1265	7.00	\$515.00*
Intel Core i3-6102E @ 1.90GHz	3196	1378	14.20	\$225.00*
Intel Core i3-6157U @ 2.40GHz	3819	1211	NA	NA
Intel Core i3-6300 @ 3.80GHz	5844	834	18.85	\$309.99
Intel Core i3-6300T @ 3.30GHz	5258	922	33.93	\$154.99*
Intel Core i3-6320 @ 3.90GHz	6051	814	14.87	\$407.00
Intel Core i3-7020U @ 2.30GHz	3540	1280	12.60	\$281.00*
Intel Core i3-7100 @ 3.90GHz	5775	841	40.76	\$141.70
Intel Core i3-7100H @ 3.00GHz	4271	1119	18.99	\$225.00*
Intel Core i3-7100T @ 3.40GHz	5055	956	33.11	\$152.69
Intel Core i3-7100U @ 2.40GHz	3759	1227	9.17	\$409.99
Intel Core i3-7101TE @ 3.40GHz	5160	938	44.11	\$117.00*
Intel Core i3-7102E @ 2.10GHz	3266	1354	14.52	\$225.00*
Intel Core i3-7130U @ 2.70GHz	4060	1159	8.83	\$459.99*
Intel Core i3-7167U @ 2.80GHz	4757	1019	NA	NA
Intel Core i3-7300 @ 4.00GHz	6319	784	39.50	\$159.99*
Intel Core i3-7300T @ 3.50GHz	5369	905	29.57	\$181.59*

Intel Core i3-7320 @ 4.10GHz	6406	776	35.06	\$182.72*
Intel Core i3-7350K @ 4.20GHz	6597	758	34.75	\$189.85
Intel Core i3-8100 @ 3.60GHz	8004	611	62.39	\$128.29
Intel Core i3-8100B @ 3.60GHz	8544	553	64.24	\$133.00*
Intel Core i3-8100T @ 3.10GHz	7271	688	56.37	\$129.00*
Intel Core i3-8109U @ 3.00GHz	6080	812	NA	NA
Intel Core i3-8121U @ 2.20GHz	4802	1012	NA	NA
Intel Core i3-8130U @ 2.20GHz	4996	974	17.78	\$281.00*
Intel Core i3-8145U @ 2.10GHz	5468	887	19.46	\$281.00*
Intel Core i3-8300 @ 3.70GHz	8675	544	50.16	\$172.96
Intel Core i3-8300T @ 3.20GHz	8032	604	47.11	\$170.49*
Intel Core i3-8350K @ 4.00GHz	9238	481	46.48	\$198.75
Intel Core i3-9100 @ 3.60GHz	8624	549	66.34	\$129.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-9100F @ 3.60GHz	8911	516	111.41	\$79.99
Intel Core i3-9100T @ 3.10GHz	7641	654	62.64	\$122.00*
Intel Core i3-9300 @ 3.70GHz	10018	399	65.91	\$152.00*
Intel Core i3-9300T @ 3.20GHz	8777	530	61.38	\$143.00*
Intel Core i3-9320 @ 3.70GHz	10144	388	62.62	\$162.00*
Intel Core i3-9350KF @ 4.00GHz	10546	361	58.44	\$180.47
Intel Core i3-10110U @ 2.10GHz	5738	849	NA	NA
Intel Core i3-21050 @ 3.10GHz	3862	1199	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1741	21.97	\$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1627	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3540	1279	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3676	1250	NA	NA
Intel Core i5-430M @ 2.27GHz	2092	1776	14.95	\$139.95*
Intel Core i5-430UM @ 1.20GHz	1341	2152	NA	NA
Intel Core i5-450M @ 2.40GHz	2132	1761	66.76	\$31.95*
Intel Core i5-460M @ 2.53GHz	2319	1681	30.94	\$74.95*
Intel Core i5-470UM @ 1.33GHz	1067	2312	NA	NA

Intel Core i5-480M @ 2.67GHz	2399	1657	29.77	\$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1717	NA	NA
Intel Core i5-520M @ 2.40GHz	2366	1670	51.42	\$46.02*
Intel Core i5-520UM @ 1.07GHz	1348	2147	NA	NA
Intel Core i5-540M @ 2.53GHz	2452	1635	36.07	\$68.00*
Intel Core i5-540UM @ 1.20GHz	1375	2134	NA	NA
Intel Core i5-560M @ 2.67GHz	2577	1589	50.72	\$50.81
Intel Core i5-560UM @ 1.33GHz	1669	1990	NA	NA
Intel Core i5-580M @ 2.67GHz	2593	1581	23.59	\$109.95
Intel Core i5-650 @ 3.20GHz	3092	1416	22.25	\$139.00*
Intel Core i5-655K @ 3.20GHz	3353	1330	55.90	\$59.99*
Intel Core i5-660 @ 3.33GHz	3245	1362	103.87	\$31.25*
Intel Core i5-661 @ 3.33GHz	3194	1379	13.89	\$229.99*
Intel Core i5-670 @ 3.47GHz	3309	1345	11.86	\$279.00
Intel Core i5-680 @ 3.60GHz	3513	1291	39.04	\$89.99*
Intel Core i5-750 @ 2.67GHz	3718	1240	83.70	\$44.43*
Intel Core i5-760 @ 2.80GHz	3933	1188	25.54	\$154.03
Intel Core i5-1035G1 @ 1.00GHz	8805	526	29.65	\$297.00*
Intel Core i5-1035G4 @ 1.10GHz	8990	505	29.09	\$309.00*
Intel Core i5-1035G7 @ 1.20GHz	9800	424	30.63	\$320.00*
Intel Core i5-2300 @ 2.80GHz	5372	904	67.16	\$79.99*
Intel Core i5-2310 @ 2.90GHz	5541	877	39.22	\$141.29*
Intel Core i5-2320 @ 3.00GHz	5780	839	62.15	\$93.00
Intel Core i5-2380P @ 3.10GHz	5738	848	13.33	\$430.59*
Intel Core i5-2390T @ 2.70GHz	4212	1132	42.16	\$99.90*
Intel Core i5-2400 @ 3.10GHz	5976	818	132.84	\$44.99
Intel Core i5-2400S @ 2.50GHz	4999	973	27.47	\$182.00*
Intel Core i5-2405S @ 2.50GHz	5082	950	24.44	\$208.00*
Intel Core i5-2410M @ 2.30GHz	3173	1384	44.08	\$72.00*
Intel Core i5-2415M @ 2.30GHz	3307	1346	NA	NA
Intel Core i5-2430M @ 2.40GHz	3287	1350	36.93	\$89.02*
Intel Core i5-2435M @ 2.40GHz	3221	1370	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-2450M @ 2.50GHz	3401	1316	46.40	\$73.30*
Intel Core i5-2450P @ 3.20GHz	6149	798	68.34	\$89.99*
Intel Core i5-2467M @ 1.60GHz	2319	1680	NA	NA
Intel Core i5-2500 @ 3.30GHz	6358	780	115.60	\$55.00
Intel Core i5-2500K @ 3.30GHz	6491	766	14.95	\$434.26*
Intel Core i5-2500S @ 2.70GHz	5404	897	82.84	\$65.24*
Intel Core i5-2500T @ 2.30GHz	4647	1034	51.64	\$89.99*
Intel Core i5-2510E @ 2.50GHz	3483	1298	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1343	NA	NA
Intel Core i5-2520M @ 2.50GHz	3594	1268	21.19	\$169.60*
Intel Core i5-2537M @ 1.40GHz	2064	1793	NA	NA
Intel Core i5-2540M @ 2.60GHz	3781	1219	65.18	\$58.02*
Intel Core i5-2550K @ 3.40GHz	6677	749	35.14	\$190.00*
Intel Core i5-2557M @ 1.70GHz	2694	1551	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1229	NA	NA
Intel Core i5-3210M @ 2.50GHz	3830	1207	51.74	\$74.04
Intel Core i5-3230M @ 2.60GHz	3947	1181	18.16	\$217.42*
Intel Core i5-3317U @ 1.70GHz	3092	1415	13.74	\$225.00*
Intel Core i5-3320M @ 2.60GHz	4134	1147	59.23	\$69.81*
Intel Core i5-3330 @ 3.00GHz	5955	820	29.79	\$199.88*
Intel Core i5-3330S @ 2.70GHz	5682	854	59.82	\$94.99*
Intel Core i5-3335S @ 2.70GHz	5795	837	NA	NA
Intel Core i5-3337U @ 1.80GHz	3228	1369	14.35	\$225.00*
Intel Core i5-3339Y @ 1.50GHz	2225	1729	NA	NA
Intel Core i5-3340 @ 3.10GHz	6112	802	20.86	\$293.01*
Intel Core i5-3340M @ 2.70GHz	4248	1123	53.14	\$79.95*
Intel Core i5-3340S @ 2.80GHz	5862	830	39.09	\$149.99*
Intel Core i5-3350P @ 3.10GHz	6157	797	41.05	\$149.99*
Intel Core i5-3360M @ 2.80GHz	4443	1085	47.88	\$92.81*
Intel Core i5-3380M @ 2.90GHz	4445	1084	NA	NA

Intel Core i5-3427U @ 1.80GHz	3551	1275	8.46	\$420.05*
Intel Core i5-3437U @ 1.90GHz	3624	1258	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1471	NA	NA
Intel Core i5-3450 @ 3.10GHz	6539	763	30.23	\$216.34*
Intel Core i5-3450S @ 2.80GHz	6238	787	42.16	\$147.99*
Intel Core i5-3470 @ 3.20GHz	6734	742	134.71	\$49.99
Intel Core i5-3470S @ 2.90GHz	6404	777	81.07	\$79.00
Intel Core i5-3470T @ 2.90GHz	4499	1073	14.57	\$308.95*
Intel Core i5-3475S @ 2.90GHz	6609	756	46.06	\$143.50*
Intel Core i5-3550 @ 3.30GHz	6968	716	22.48	\$309.99
Intel Core i5-3550S @ 3.00GHz	6928	722	22.91	\$302.45*
Intel Core i5-3570 @ 3.40GHz	7144	702	89.31	\$79.99
Intel Core i5-3570K @ 3.40GHz	7190	700	22.13	\$324.87
Intel Core i5-3570S @ 3.10GHz	6746	741	110.62	\$60.99
Intel Core i5-3570T @ 2.30GHz	5944	822	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3884	1195	NA	NA
Intel Core i5-4200H @ 2.80GHz	4465	1080	NA	NA
Intel Core i5-4200M @ 2.50GHz	4039	1163	49.79	\$81.12*
Intel Core i5-4200U @ 1.60GHz	3283	1351	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4200Y @ 1.40GHz	2399	1656	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2254	1713	NA	NA
Intel Core i5-4210H @ 2.90GHz	4535	1064	NA	NA
Intel Core i5-4210M @ 2.60GHz	4215	1130	13.60	\$309.95*
Intel Core i5-4210U @ 1.70GHz	3405	1315	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2375	1665	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1688	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1484	NA	NA
Intel Core i5-4250U @ 1.30GHz	3373	1326	9.40	\$359.00*
Intel Core i5-4258U @ 2.40GHz	4096	1155	NA	NA
Intel Core i5-4260U @ 1.40GHz	3584	1273	NA	NA

Intel Core i5-4278U @ 2.60GHz	4371	1098	NA	NA
Intel Core i5-4288U @ 2.60GHz	4303	1114	NA	NA
Intel Core i5-4300M @ 2.60GHz	4446	1083	NA	NA
Intel Core i5-4300U @ 1.90GHz	3737	1234	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2502	1620	NA	NA
Intel Core i5-4302Y @ 1.60GHz	2971	1455	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	1129	NA	NA
Intel Core i5-4310M @ 2.70GHz	4666	1030	NA	NA
Intel Core i5-4310U @ 2.00GHz	3783	1218	NA	NA
Intel Core i5-4330M @ 2.80GHz	4551	1059	16.55	\$274.99*
Intel Core i5-4340M @ 2.90GHz	4882	996	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1262	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	1062	17.10	\$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1183	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1513	10.55	\$266.00*
Intel Core i5-4430 @ 3.00GHz	6347	782	39.67	\$159.99*
Intel Core i5-4430S @ 2.70GHz	5984	817	37.41	\$159.99*
Intel Core i5-4440 @ 3.10GHz	6518	764	13.12	\$497.00*
Intel Core i5-4440S @ 2.80GHz	6275	785	13.56	\$462.97*
Intel Core i5-4460 @ 3.20GHz	6730	744	74.79	\$89.99
Intel Core i5-4460S @ 2.90GHz	6438	771	9.76	\$659.99*
Intel Core i5-4460T @ 1.90GHz	4983	976	NA	NA
Intel Core i5-4570 @ 3.20GHz	7160	701	80.45	\$89.00
Intel Core i5-4570R @ 2.70GHz	6776	734	NA	NA
Intel Core i5-4570S @ 2.90GHz	6848	727	35.17	\$194.74*
Intel Core i5-4570T @ 2.90GHz	4831	1005	32.21	\$149.99*
Intel Core i5-4570TE @ 2.70GHz	3827	1209	19.14	\$199.99*
Intel Core i5-4590 @ 3.30GHz	7355	683	63.96	\$115.00
Intel Core i5-4590S @ 3.00GHz	7088	706	28.14	\$251.90*
Intel Core i5-4590T @ 2.00GHz	5631	858	26.82	\$209.95*
Intel Core i5-4670 @ 3.40GHz	7483	668	68.66	\$109.00
Intel Core i5-4670K @ 3.40GHz	7637	656	18.63	\$409.95

Intel Core i5-4670K CPT @ 3.40GHz	7411	678	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	675	26.88	\$276.00*
Intel Core i5-4670S @ 3.10GHz	7395	680	34.72	\$213.00*
Intel Core i5-4670T @ 2.30GHz	6175	795	23.84	\$259.02*
Intel Core i5-4690 @ 3.50GHz	7695	648	32.35	\$237.88
Intel Core i5-4690K @ 3.50GHz	7798	635	49.05	\$159.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4690S @ 3.20GHz	7452	672	20.75	\$359.21*
Intel Core i5-4690T @ 2.50GHz	6547	761	NA	NA
Intel Core i5-5200U @ 2.20GHz	3498	1296	12.45	\$281.00*
Intel Core i5-5250U @ 1.60GHz	3600	1266	8.15	\$441.89*
Intel Core i5-5257U @ 2.70GHz	4414	1091	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	1028	NA	NA
Intel Core i5-5300U @ 2.30GHz	3853	1202	7.09	\$543.39*
Intel Core i5-5350U @ 1.80GHz	3542	1278	NA	NA
Intel Core i5-5575R @ 2.80GHz	7484	667	NA	NA
Intel Core i5-5675C @ 3.10GHz	8123	596	26.21	\$309.95*
Intel Core i5-5675R @ 3.10GHz	7991	614	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4156	1144	NA	NA
Intel Core i5-6200U @ 2.30GHz	4011	1167	NA	NA
Intel Core i5-6260U @ 1.80GHz	4362	1100	14.12	\$309.00
Intel Core i5-6267U @ 2.90GHz	4891	994	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	1020	15.63	\$304.00*
Intel Core i5-6300HQ @ 2.30GHz	6092	809	NA	NA
Intel Core i5-6300U @ 2.40GHz	4365	1099	NA	NA
Intel Core i5-6360U @ 2.00GHz	4612	1043	NA	NA
Intel Core i5-6400 @ 2.70GHz	6756	737	29.53	\$228.83*
Intel Core i5-6400T @ 2.20GHz	5622	860	21.63	\$259.95*
Intel Core i5-6402P @ 2.80GHz	7095	704	37.35	\$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6424	773	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6801	731	NA	NA

Intel Core i5-6442EQ @ 1.90GHz	5953	821	23.81	\$250.00*
Intel Core i5-6500 @ 3.20GHz	7251	693	41.68	\$173.99
Intel Core i5-6500T @ 2.50GHz	6323	783	23.42	\$269.95*
Intel Core i5-6500TE @ 2.30GHz	6606	757	31.46	\$209.99
Intel Core i5-6600 @ 3.30GHz	7781	638	29.69	\$262.13*
Intel Core i5-6600K @ 3.50GHz	8061	600	30.64	\$263.11*
Intel Core i5-6600T @ 2.70GHz	7309	686	24.37	\$299.95*
Intel Core i5-7200U @ 2.50GHz	4561	1056	16.23	\$281.00*
Intel Core i5-7260U @ 2.20GHz	5641	857	9.11	\$619.00
Intel Core i5-7267U @ 3.10GHz	5052	958	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	855	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6712	745	NA	NA
Intel Core i5-7300U @ 2.60GHz	5139	941	10.49	\$489.95
Intel Core i5-7360U @ 2.30GHz	5863	829	NA	NA
Intel Core i5-7400 @ 3.00GHz	7239	694	35.16	\$205.90
Intel Core i5-7400T @ 2.40GHz	6352	781	30.95	\$205.27
Intel Core i5-7440HQ @ 2.80GHz	7620	657	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	5901	825	23.60	\$250.00*
Intel Core i5-7500 @ 3.40GHz	7939	622	39.89	\$199.00
Intel Core i5-7500T @ 2.70GHz	6954	718	25.76	\$269.99*
Intel Core i5-7600 @ 3.50GHz	8620	550	22.93	\$375.89*
Intel Core i5-7600K @ 3.80GHz	9051	499	29.20	\$309.99
Intel Core i5-7600T @ 2.80GHz	7983	617	28.46	\$280.55*
Intel Core i5-7640X @ 4.00GHz	9440	461	33.71	\$280.00
Intel Core i5-8200Y @ 1.30GHz	4211	1133	14.47	\$291.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8210Y @ 1.60GHz	4227	1128	NA	NA
Intel Core i5-8250U @ 1.60GHz	7641	655	NA	NA
Intel Core i5-8257U @ 1.40GHz	10767	347	33.65	\$320.00*
Intel Core i5-8259U @ 2.30GHz	10981	334	18.94	\$579.95
Intel Core i5-8265U @ 1.60GHz	7994	612	26.92	\$297.00*

Intel Core i5-8265UC @ 1.60GHz	7783	637	NA	NA
Intel Core i5-8279U @ 2.40GHz	10599	359	33.12	\$320.00*
Intel Core i5-8300H @ 2.30GHz	9470	454	37.88	\$250.00*
Intel Core i5-8305G @ 2.80GHz	9000	504	NA	NA
Intel Core i5-8350U @ 1.70GHz	8129	593	27.37	\$297.00*
Intel Core i5-8365U @ 1.60GHz	8145	591	27.43	\$297.00*
Intel Core i5-8365UE @ 1.60GHz	8010	608	26.97	\$297.00*
Intel Core i5-8400 @ 2.80GHz	11561	313	62.30	\$185.58
Intel Core i5-8400H @ 2.50GHz	10379	373	41.52	\$250.00*
Intel Core i5-8400T @ 1.70GHz	9440	460	49.95	\$189.00*
Intel Core i5-8500 @ 3.00GHz	11822	305	24.43	\$484.02
Intel Core i5-8500B @ 3.00GHz	12756	273	66.44	\$192.00*
Intel Core i5-8500T @ 2.10GHz	9968	406	42.53	\$234.36*
Intel Core i5-8600 @ 3.10GHz	12489	283	42.77	\$292.00*
Intel Core i5-8600K @ 3.60GHz	12681	278	44.50	\$284.98
Intel Core i5-8600T @ 2.30GHz	10981	335	29.92	\$366.99*
Intel Core i5-9300H @ 2.40GHz	9860	418	39.44	\$250.00*
Intel Core i5-9400 @ 2.90GHz	11897	304	46.76	\$254.41
Intel Core i5-9400F @ 2.90GHz	12050	299	71.73	\$167.99
Intel Core i5-9400H @ 2.50GHz	11299	322	45.20	\$250.00*
Intel Core i5-9400T @ 1.80GHz	9647	440	53.01	\$182.00*
Intel Core i5-9500 @ 3.00GHz	12020	300	39.17	\$306.85
Intel Core i5-9500F @ 3.00GHz	13104	262	64.87	\$202.00*
Intel Core i5-9500T @ 2.20GHz	10635	356	55.39	\$192.00*
Intel Core i5-9600 @ 3.10GHz	13432	251	59.96	\$224.00*
Intel Core i5-9600K @ 3.70GHz	13520	248	54.09	\$249.99
Intel Core i5-9600KF @ 3.70GHz	13391	254	63.77	\$209.99
Intel Core i5-9600T @ 2.30GHz	11706	309	54.96	\$213.00*
Intel Core i5-10210U @ 1.60GHz	8496	559	28.61	\$297.00*
Intel Core i5-10210Y @ 1.00GHz	8004	609	NA	NA
Intel Core i5-24050S @ 2.50GHz	4928	986	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3730	1236	NA	NA

Intel Core i7-610 @ 2.53GHz	1969	1835	NA	NA
Intel Core i7-610E @ 2.53GHz	2544	1603	NA	NA
Intel Core i7-620LM @ 2.00GHz	1963	1838	NA	NA
Intel Core i7-620M @ 2.67GHz	2713	1547	24.67	\$110.01*
Intel Core i7-620UM @ 1.07GHz	1323	2160	NA	NA
Intel Core i7-640LM @ 2.13GHz	2245	1716	NA	NA
Intel Core i7-640M @ 2.80GHz	2826	1506	14.14	\$199.95*
Intel Core i7-640UM @ 1.20GHz	1638	2011	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1946	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1967	NA	NA
Intel Core i7-720QM @ 1.60GHz	3007	1441	8.22	\$365.95*
Intel Core i7-740QM @ 1.73GHz	3187	1381	19.93	\$159.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-820QM @ 1.73GHz	3218	1372	13.41	\$239.95*
Intel Core i7-840QM @ 1.87GHz	3412	1313	11.77	\$289.97*
Intel Core i7-860 @ 2.80GHz	5018	969	17.31	\$289.95*
Intel Core i7-860S @ 2.53GHz	4919	990	24.60	\$199.99*
Intel Core i7-870 @ 2.93GHz	5335	911	59.29	\$89.99
Intel Core i7-870S @ 2.67GHz	4849	1003	NA	NA
Intel Core i7-875K @ 2.93GHz	5413	894	16.88	\$320.76*
Intel Core i7-880 @ 3.07GHz	5508	883	9.45	\$583.00*
Intel Core i7-920 @ 2.67GHz	4909	992	119.74	\$41.00
Intel Core i7-920XM @ 2.00GHz	3719	1238	9.30	\$399.95*
Intel Core i7-930 @ 2.80GHz	5126	943	46.61	\$109.99*
Intel Core i7-940 @ 2.93GHz	5325	914	51.21	\$103.99*
Intel Core i7-940XM @ 2.13GHz	3921	1192	NA	NA
Intel Core i7-950 @ 3.07GHz	5534	878	93.81	\$59.00
Intel Core i7-960 @ 3.20GHz	5791	838	20.68	\$280.00
Intel Core i7-965 @ 3.20GHz	5850	833	41.79	\$139.99*
Intel Core i7-970 @ 3.20GHz	8349	575	16.70	\$499.95*
Intel Core i7-975 @ 3.33GHz	6096	808	14.87	\$409.92*

Intel Core i7-980 @ 3.33GHz	8528	555	42.65	\$199.98*
Intel Core i7-980X @ 3.33GHz	8740	536	7.87	\$1,109.95
Intel Core i7-985 @ 3.47GHz	6641	754	NA	NA
Intel Core i7-990X @ 3.47GHz	9041	501	25.83	\$349.99*
Intel Core i7-995X @ 3.60GHz	9791	426	NA	NA
Intel Core i7-1065G7 @ 1.30GHz	10491	367	NA	NA
Intel Core i7-2600 @ 3.40GHz	8179	588	71.13	\$114.99
Intel Core i7-2600K @ 3.40GHz	8429	566	52.69	\$159.98
Intel Core i7-2600S @ 2.80GHz	7087	707	67.42	\$105.12
Intel Core i7-2610UE @ 1.50GHz	2481	1629	NA	NA
Intel Core i7-2617M @ 1.50GHz	2809	1512	NA	NA
Intel Core i7-2620M @ 2.70GHz	3841	1205	22.62	\$169.81*
Intel Core i7-2630QM @ 2.00GHz	5524	880	53.74	\$102.81*
Intel Core i7-2630UM @ 1.60GHz	2584	1585	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5426	893	NA	NA
Intel Core i7-2637M @ 1.70GHz	2904	1482	NA	NA
Intel Core i7-2640M @ 2.80GHz	3927	1190	32.78	\$119.81
Intel Core i7-2655LE @ 2.20GHz	3229	1367	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5879	827	53.46	\$109.99*
Intel Core i7-2675QM @ 2.20GHz	5544	876	NA	NA
Intel Core i7-2677M @ 1.80GHz	2837	1502	NA	NA
Intel Core i7-2700K @ 3.50GHz	8682	541	28.94	\$300.00*
Intel Core i7-2710QE @ 2.10GHz	5768	844	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	906	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6107	804	32.15	\$189.95*
Intel Core i7-2760QM @ 2.40GHz	6553	760	31.22	\$209.95*
Intel Core i7-2820QM @ 2.30GHz	6644	753	36.70	\$181.02*
Intel Core i7-2840QM @ 2.40GHz	6766	735	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6950	720	12.85	\$541.00*
Intel Core i7-2920XM @ 2.50GHz	7006	712	15.91	\$440.44*
Intel Core i7-2960XM @ 2.70GHz	7224	696	17.62	\$409.95*
CPU Name	Passmark CPU Mark	Rank	CPU Value	Price

	(higher is better)	(lower is better)	(higher is better)	(USD)
Intel Core i7-3517U @ 1.90GHz	3538	1283	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3150	1399	NA	NA
Intel Core i7-3520M @ 2.90GHz	4552	1058	34.48	\$132.02*
Intel Core i7-3537U @ 2.00GHz	3812	1215	NA	NA
Intel Core i7-3540M @ 3.00GHz	4663	1032	10.85	\$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1175	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6544	762	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7459	670	18.65	\$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	746	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6822	729	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	671	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7390	681	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7583	660	31.73	\$239.00*
Intel Core i7-3632QM @ 2.20GHz	6925	723	32.35	\$214.05*
Intel Core i7-3635QM @ 2.40GHz	6675	750	NA	NA
Intel Core i7-3667U @ 2.00GHz	3982	1172	NA	NA
Intel Core i7-3687U @ 2.10GHz	4130	1148	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1371	NA	NA
Intel Core i7-3720QM @ 2.60GHz	8124	595	22.38	\$363.00*
Intel Core i7-3740QM @ 2.70GHz	8289	579	34.54	\$239.95*
Intel Core i7-3770 @ 3.40GHz	9277	477	82.94	\$111.85
Intel Core i7-3770K @ 3.50GHz	9513	450	45.52	\$209.00
Intel Core i7-3770S @ 3.10GHz	8902	518	65.88	\$135.13
Intel Core i7-3770T @ 2.50GHz	8206	587	24.87	\$329.99*
Intel Core i7-3820 @ 3.60GHz	8987	507	24.56	\$365.99*
Intel Core i7-3820QM @ 2.70GHz	8405	570	29.49	\$285.00*
Intel Core i7-3840QM @ 2.80GHz	8758	534	26.15	\$335.00*
Intel Core i7-3920XM @ 2.90GHz	8979	508	8.19	\$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11973	303	63.02	\$189.99*
Intel Core i7-3940XM @ 3.00GHz	9168	486	15.03	\$609.95*
Intel Core i7-3960X @ 3.30GHz	12563	281	15.51	\$809.99*

Intel Core i7-3970X @ 3.50GHz	12691	276	31.73	\$399.99
Intel Core i7-4500U @ 1.80GHz	3786	1217	NA	NA
Intel Core i7-4510U @ 2.00GHz	3919	1193	NA	NA
Intel Core i7-4550U @ 1.50GHz	3676	1251	NA	NA
Intel Core i7-4558U @ 2.80GHz	4403	1092	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	1106	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	1016	NA	NA
Intel Core i7-4600M @ 2.90GHz	4911	991	NA	NA
Intel Core i7-4600U @ 2.10GHz	4103	1152	NA	NA
Intel Core i7-4610M @ 3.00GHz	4925	987	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1232	NA	NA
Intel Core i7-4650U @ 1.70GHz	3946	1184	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7203	697	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7736	646	20.20	\$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7687	650	40.68	\$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7417	677	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7132	703	32.65	\$218.45*
Intel Core i7-4710HQ @ 2.50GHz	7723	647	20.43	\$378.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4710MQ @ 2.50GHz	7982	618	29.39	\$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7532	663	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7191	699	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7990	615	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8093	599	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8209	586	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8793	527	NA	NA
Intel Core i7-4765T @ 2.00GHz	7297	687	18.24	\$399.99*
Intel Core i7-4770 @ 3.40GHz	9780	428	52.75	\$185.40
Intel Core i7-4770HQ @ 2.20GHz	8950	515	NA	NA
Intel Core i7-4770K @ 3.50GHz	10072	395	29.63	\$339.99
Intel Core i7-4770R @ 3.20GHz	9830	421	NA	NA

Intel Core i7-4770S @ 3.10GHz	9358	467	52.58	\$177.99
Intel Core i7-4770T @ 2.50GHz	8610	551	21.53	\$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	743	NA	NA
Intel Core i7-4771 @ 3.50GHz	9856	419	56.32	\$175.00
Intel Core i7-4785T @ 2.20GHz	7646	653	NA	NA
Intel Core i7-4790 @ 3.60GHz	9991	403	58.78	\$169.99
Intel Core i7-4790K @ 4.00GHz	11164	325	38.50	\$290.00
Intel Core i7-4790S @ 3.20GHz	9560	446	26.22	\$364.59
Intel Core i7-4790T @ 2.70GHz	9078	494	25.22	\$359.99
Intel Core i7-4800MQ @ 2.70GHz	8440	565	41.38	\$204.00*
Intel Core i7-4810MQ @ 2.80GHz	8655	546	45.57	\$189.95*
Intel Core i7-4820K @ 3.70GHz	9719	433	44.18	\$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9056	498	20.87	\$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7900	623	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9275	478	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9352	468	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8976	509	15.30	\$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9336	469	20.30	\$459.95*
Intel Core i7-4930K @ 3.40GHz	13026	264	16.28	\$799.97*
Intel Core i7-4930MX @ 3.00GHz	9444	459	8.62	\$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9749	432	13.73	\$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9856	420	15.82	\$623.00*
Intel Core i7-4960X @ 3.60GHz	13800	236	17.92	\$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10306	376	NA	NA
Intel Core i7-5500U @ 2.40GHz	3982	1173	NA	NA
Intel Core i7-5550U @ 2.00GHz	3851	1204	NA	NA
Intel Core i7-5557U @ 3.10GHz	4955	982	7.03	\$705.00*
Intel Core i7-5600U @ 2.60GHz	4323	1110	NA	NA
Intel Core i7-5650U @ 2.20GHz	4242	1125	NA	NA
Intel Core i7-5675C @ 3.10GHz	8330	578	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	583	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8348	576	NA	NA

Intel Core i7-5775C @ 3.30GHz	10852	343	15.81	\$686.32*
Intel Core i7-5775R @ 3.30GHz	10879	342	NA	NA
Intel Core i7-5820K @ 3.30GHz	13005	265	55.34	\$235.00
Intel Core i7-5850EQ @ 2.70GHz	9817	422	22.57	\$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	457	21.80	\$434.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-5930K @ 3.50GHz	13658	239	44.20	\$309.00
Intel Core i7-5950HQ @ 2.90GHz	10850	344	NA	NA
Intel Core i7-5960X @ 3.00GHz	15982	168	18.77	\$851.31
Intel Core i7-6498DU @ 2.50GHz	4483	1076	NA	NA
Intel Core i7-6500U @ 2.50GHz	4420	1087	11.25	\$393.00*
Intel Core i7-6560U @ 2.20GHz	4821	1007	NA	NA
Intel Core i7-6567U @ 3.30GHz	5582	868	NA	NA
Intel Core i7-6600U @ 2.60GHz	4802	1011	NA	NA
Intel Core i7-6650U @ 2.20GHz	4978	977	NA	NA
Intel Core i7-6700 @ 3.40GHz	10005	401	35.74	\$279.99
Intel Core i7-6700HQ @ 2.60GHz	8126	594	21.50	\$378.00*
Intel Core i7-6700K @ 4.00GHz	11109	326	35.56	\$312.39*
Intel Core i7-6700T @ 2.80GHz	9001	503	23.94	\$375.99*
Intel Core i7-6700TE @ 2.40GHz	8674	545	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9716	434	9.70	\$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13566	245	38.05	\$356.53
Intel Core i7-6820EQ @ 2.80GHz	8683	540	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9111	491	24.10	\$378.00*
Intel Core i7-6820HQ @ 2.70GHz	8750	535	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6501	765	NA	NA
Intel Core i7-6850K @ 3.60GHz	14361	217	33.01	\$435.00
Intel Core i7-6900K @ 3.20GHz	17583	131	23.45	\$750.00
Intel Core i7-6920HQ @ 2.90GHz	9552	447	16.82	\$568.00*
Intel Core i7-6950X @ 3.00GHz	19918	94	11.45	\$1,740.00
Intel Core i7-7500U @ 2.70GHz	5119	944	NA	NA

Intel Core i7-7560U @ 2.40GHz	5769	843	NA	NA
Intel Core i7-7567U @ 3.50GHz	6462	768	8.62	\$749.67
Intel Core i7-7600U @ 2.80GHz	5110	947	NA	NA
Intel Core i7-7660U @ 2.50GHz	5992	816	NA	NA
Intel Core i7-7700 @ 3.60GHz	10685	352	33.50	\$319.00
Intel Core i7-7700HQ @ 2.80GHz	8760	533	23.17	\$378.00*
Intel Core i7-7700K @ 4.20GHz	11990	302	23.84	\$502.95
Intel Core i7-7700T @ 2.90GHz	9327	471	24.23	\$385.00*
Intel Core i7-7740X @ 4.30GHz	12193	295	32.09	\$380.00
Intel Core i7-7800X @ 3.50GHz	14657	208	28.74	\$509.99*
Intel Core i7-7820EQ @ 3.00GHz	9144	488	24.19	\$378.00*
Intel Core i7-7820HK @ 2.90GHz	9950	408	26.32	\$378.00*
Intel Core i7-7820HQ @ 2.90GHz	9254	479	24.48	\$378.00*
Intel Core i7-7820X @ 3.60GHz	18516	118	15.69	\$1,179.95
Intel Core i7-7900X @ 3.30GHz	20474	86	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	10005	402	17.61	\$568.00*
Intel Core i7-8086K @ 4.00GHz	16689	146	30.18	\$552.96*
Intel Core i7-8500Y @ 1.50GHz	3945	1186	10.04	\$393.00*
Intel Core i7-8550U @ 1.80GHz	8236	584	NA	NA
Intel Core i7-8557U @ 1.70GHz	10470	370	24.29	\$431.00*
Intel Core i7-8559U @ 2.70GHz	12214	292	17.33	\$705.00*
Intel Core i7-8565U @ 1.80GHz	8763	532	NA	NA
Intel Core i7-8650U @ 1.90GHz	8679	542	21.17	\$409.99*
Intel Core i7-8665U @ 1.90GHz	8689	539	21.25	\$409.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-8665UE @ 1.70GHz	8731	537	21.35	\$409.00*
Intel Core i7-8700 @ 3.20GHz	15136	196	36.25	\$417.55
Intel Core i7-8700B @ 3.20GHz	14963	201	49.39	\$303.00*
Intel Core i7-8700K @ 3.70GHz	15935	171	37.06	\$429.98
Intel Core i7-8700T @ 2.40GHz	12634	279	20.75	\$609.00
Intel Core i7-8705G @ 3.10GHz	9878	415	7.01	\$1,408.75*

Intel Core i7-8706G @ 3.10GHz	10539	363	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	429	NA	NA
Intel Core i7-8750H @ 2.20GHz	12391	285	31.37	\$395.00*
Intel Core i7-8809G @ 3.10GHz	10994	332	NA	NA
Intel Core i7-8850H @ 2.60GHz	12941	266	32.76	\$395.00*
Intel Core i7-9700 @ 3.00GHz	15951	170	38.13	\$418.36
Intel Core i7-9700F @ 3.00GHz	16540	150	42.28	\$391.25
Intel Core i7-9700K @ 3.60GHz	17197	136	42.99	\$399.99
Intel Core i7-9700KF @ 3.60GHz	16851	143	46.81	\$359.99*
Intel Core i7-9700T @ 2.00GHz	13427	252	41.57	\$323.00*
Intel Core i7-9700TE @ 1.80GHz	12688	277	39.28	\$323.00*
Intel Core i7-9750H @ 2.60GHz	13561	246	34.33	\$395.00*
Intel Core i7-9750HF @ 2.60GHz	14598	211	36.96	\$395.00*
Intel Core i7-9800X @ 3.80GHz	19770	99	33.01	\$599.00
Intel Core i7-9850H @ 2.60GHz	13614	244	34.47	\$395.00*
Intel Core i7-9850HL @ 1.90GHz	11340	318	28.71	\$395.00*
Intel Core i7-10510U @ 1.80GHz	9537	449	23.32	\$409.00*
Intel Core i7-10710U @ 1.10GHz	12485	284	20.47	\$609.95
Intel Core i9-7900X @ 3.30GHz	21877	68	28.23	\$774.99*
Intel Core i9-7920X @ 2.90GHz	23305	57	23.33	\$999.00*
Intel Core i9-7940X @ 3.10GHz	25415	38	27.93	\$909.99*
Intel Core i9-7960X @ 2.80GHz	26053	33	19.30	\$1,349.99*
Intel Core i9-7980XE @ 2.60GHz	27674	27	17.64	\$1,569.00
Intel Core i9-8950HK @ 2.90GHz	14131	224	24.24	\$583.00*
Intel Core i9-9820X @ 3.30GHz	21084	79	35.38	\$595.99
Intel Core i9-9880H @ 2.30GHz	16266	159	29.26	\$556.00*
Intel Core i9-9900 @ 3.10GHz	18594	117	31.69	\$586.79
Intel Core i9-9900K @ 3.60GHz	20200	92	38.48	\$524.99
Intel Core i9-9900KF @ 3.60GHz	20303	89	42.40	\$478.89
Intel Core i9-9900KS @ 4.00GHz	21472	72	33.03	\$649.99*
Intel Core i9-9900T @ 2.10GHz	15316	191	34.89	\$439.00*
Intel Core i9-9900X @ 3.50GHz	22976	59	24.19	\$949.99

Intel Core i9-9920X @ 3.50GHz	25116	42	24.87	\$1,009.99
Intel Core i9-9940X @ 3.30GHz	26841	29	25.84	\$1,038.89
Intel Core i9-9960X @ 3.10GHz	28336	21	23.61	\$1,199.99
Intel Core i9-9980HK @ 2.40GHz	17517	132	30.05	\$583.00*
Intel Core i9-9980XE @ 3.00GHz	29680	17	12.32	\$2,409.00
Intel Core i9-10900X @ 3.70GHz	24068	51	26.74	\$899.99
Intel Core i9-10920X @ 3.50GHz	26698	31	26.43	\$1,009.99
Intel Core i9-10940X @ 3.30GHz	27741	25	24.99	\$1,109.99*
Intel Core i9-10980XE @ 3.00GHz	31512	13	32.19	\$979.00*
Intel Core m3-6Y30 @ 0.90GHz	3025	1436	10.77	\$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3515	1289	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core m3-7Y32 @ 1.10GHz	3391	1321	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3741	1233	13.32	\$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3343	1335	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3234	1365	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3466	1303	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2653	1562	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1662	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2824	1508	10.05	\$281.00*
Intel Core M-5Y31 @ 0.90GHz	2782	1523	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2486	1626	NA	NA
Intel Core M-5Y70 @ 1.10GHz	2912	1477	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2989	1449	10.64	\$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2739	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2732	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2650	NA	NA
Intel Core Solo U1300 @ 1.06GHz	270	2896	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2887	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2809	NA	NA
Intel E3000 @ 3.40GHz	2767	1527	NA	NA

Intel Pentium 4 1.40GHz	164	2995	NA	NA
Intel Pentium 4 1.50GHz	131	3012	NA	NA
Intel Pentium 4 1.60GHz	129	3013	NA	NA
Intel Pentium 4 1.70GHz	132	3011	NA	NA
Intel Pentium 4 1.80GHz	161	2998	NA	NA
Intel Pentium 4 1.90GHz	159	2999	NA	NA
Intel Pentium 4 2.00GHz	189	2976	NA	NA
Intel Pentium 4 2.20GHz	209	2958	NA	NA
Intel Pentium 4 2.26GHz	221	2946	NA	NA
Intel Pentium 4 2.40GHz	227	2940	NA	NA
Intel Pentium 4 2.50GHz	245	2924	NA	NA
Intel Pentium 4 2.53GHz	248	2920	NA	NA
Intel Pentium 4 2.60GHz	288	2866	NA	NA
Intel Pentium 4 2.66GHz	254	2912	NA	NA
Intel Pentium 4 2.80GHz	322	2815	NA	NA
Intel Pentium 4 2.93GHz	293	2857	NA	NA
Intel Pentium 4 3.00GHz	353	2786	NA	NA
Intel Pentium 4 3.06GHz	346	2790	NA	NA
Intel Pentium 4 3.20GHz	373	2760	NA	NA
Intel Pentium 4 3.40GHz	395	2734	NA	NA
Intel Pentium 4 3.46GHz	454	2668	NA	NA
Intel Pentium 4 3.60GHz	485	2635	NA	NA
Intel Pentium 4 3.73GHz	486	2632	NA	NA
Intel Pentium 4 3.80GHz	485	2634	NA	NA
Intel Pentium 4 3.83GHz	195	2970	NA	NA
Intel Pentium 4 4.00GHz	184	2981	NA	NA
Intel Pentium 4 1300MHz	119	3018	NA	NA
Intel Pentium 4 1400MHz	127	3015	NA	NA
Intel Pentium 4 1500MHz	125	3016	NA	NA
Intel Pentium 4 1600MHz	193	2975	0.30	\$647.45*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

<u>Intel Pentium 4 1700MHz</u>	154	3002	NA	NA
<u>Intel Pentium 4 1800MHz</u>	162	2997	NA	NA
<u>Intel Pentium 4 Mobile 1.40GHz</u>	149	3005	NA	NA
<u>Intel Pentium 4 Mobile 1.50GHz</u>	197	2969	NA	NA
<u>Intel Pentium 4 Mobile 1.60GHz</u>	178	2987	NA	NA
<u>Intel Pentium 4 Mobile 1.70GHz</u>	208	2959	NA	NA
<u>Intel Pentium 4 Mobile 1.80GHz</u>	175	2991	NA	NA
<u>Intel Pentium 4 Mobile 1.90GHz</u>	209	2957	NA	NA
<u>Intel Pentium 4 Mobile 2.00GHz</u>	202	2965	NA	NA
<u>Intel Pentium 5 2.66GHz</u>	705	2510	NA	NA
<u>Intel Pentium 957 @ 1.20GHz</u>	1095	2294	<u>8.18</u>	<u>\$134.00*</u>
<u>Intel Pentium 967 @ 1.30GHz</u>	1140	2274	NA	NA
<u>Intel Pentium 977 @ 1.40GHz</u>	1148	2269	NA	NA
<u>Intel Pentium 987 @ 1.50GHz</u>	1223	2223	NA	NA
<u>Intel Pentium 997 @ 1.60GHz</u>	1395	2121	NA	NA
<u>Intel Pentium 1403 @ 2.60GHz</u>	2742	1537	NA	NA
<u>Intel Pentium 1403 v2 @ 2.60GHz</u>	3018	1437	NA	NA
<u>Intel Pentium 2020M @ 2.40GHz</u>	2274	1705	<u>16.97</u>	<u>\$134.00*</u>
<u>Intel Pentium 2030M @ 2.50GHz</u>	2398	1659	<u>17.90</u>	<u>\$134.00*</u>
<u>Intel Pentium 2117U @ 1.80GHz</u>	1656	2005	<u>12.36</u>	<u>\$134.00*</u>
<u>Intel Pentium 2127U @ 1.90GHz</u>	1814	1915	<u>13.54</u>	<u>\$134.00*</u>
<u>Intel Pentium 2129Y @ 1.10GHz</u>	1062	2315	<u>7.93</u>	<u>\$134.00*</u>
<u>Intel Pentium 3550M @ 2.30GHz</u>	2266	1709	NA	NA
<u>Intel Pentium 3556U @ 1.70GHz</u>	1661	2000	NA	NA
<u>Intel Pentium 3558U @ 1.70GHz</u>	1667	1994	NA	NA
<u>Intel Pentium 3560M @ 2.40GHz</u>	2269	1708	NA	NA
<u>Intel Pentium 3560Y @ 1.20GHz</u>	1266	2200	NA	NA
<u>Intel Pentium 3805U @ 1.90GHz</u>	1960	1841	NA	NA
<u>Intel Pentium 3825U @ 1.90GHz</u>	2508	1616	NA	NA
<u>Intel Pentium 4405U @ 2.10GHz</u>	2930	1469	NA	NA
<u>Intel Pentium 4405Y @ 1.50GHz</u>	2059	1796	NA	NA
<u>Intel Pentium 4410Y @ 1.50GHz</u>	2050	1799	<u>12.73</u>	<u>\$161.00*</u>

Intel Pentium 4415U @ 2.30GHz	3152	1396	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2221	1731	13.80	\$161.00*
Intel Pentium 4417U @ 2.30GHz	3199	1376	19.87	\$161.00*
Intel Pentium 5405U @ 2.30GHz	3172	1385	19.70	\$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	2029	NA	NA
Intel Pentium B940 @ 2.00GHz	1725	1954	57.62	\$29.94*
Intel Pentium B950 @ 2.10GHz	1711	1965	NA	NA
Intel Pentium B960 @ 2.20GHz	1851	1898	37.80	\$48.99*
Intel Pentium B970 @ 2.30GHz	1950	1847	38.26	\$50.99*
Intel Pentium B980 @ 2.40GHz	2020	1813	28.88	\$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1214	29.56	\$129.00*
Intel Pentium D 805 @ 2.66GHz	529	2598	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2540	NA	NA
Intel Pentium D 915 @ 2.80GHz	584	2569	NA	NA
Intel Pentium D 940 @ 3.20GHz	710	2506	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2495	NA	NA
Intel Pentium D 960 @ 3.60GHz	811	2465	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium E2140 @ 1.60GHz	868	2432	9.66	\$89.95
Intel Pentium E2160 @ 1.80GHz	996	2355	64.28	\$15.51*
Intel Pentium E2180 @ 2.00GHz	1088	2300	36.90	\$29.50
Intel Pentium E2200 @ 2.20GHz	1202	2236	16.03	\$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2250	NA	NA
Intel Pentium E2220 @ 2.40GHz	1330	2157	15.48	\$85.99*
Intel Pentium E5200 @ 2.50GHz	1485	2084	24.79	\$59.95*
Intel Pentium E5300 @ 2.60GHz	1539	2056	35.55	\$43.31
Intel Pentium E5400 @ 2.70GHz	1596	2034	89.90	\$17.76*
Intel Pentium E5500 @ 2.80GHz	1637	2012	63.01	\$25.99*
Intel Pentium E5700 @ 3.00GHz	1737	1950	115.91	\$14.99*
Intel Pentium E5800 @ 3.20GHz	1887	1881	83.88	\$22.50*
Intel Pentium E6300 @ 2.80GHz	1705	1969	165.57	\$10.30*

Intel Pentium E6500 @ 2.93GHz	1766	1935	11.18	\$157.95*
Intel Pentium E6600 @ 3.06GHz	1861	1894	18.62	\$100.00*
Intel Pentium E6700 @ 3.20GHz	1929	1856	64.33	\$29.99
Intel Pentium E6800 @ 3.33GHz	1974	1831	22.19	\$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2418	29.21	\$31.23*
Intel Pentium Extreme Edition 965 @ 3.73GHz	961	2380	NA	NA
Intel Pentium G620 @ 2.60GHz	2285	1698	91.47	\$24.99*
Intel Pentium G620T @ 2.20GHz	2033	1804	25.42	\$79.99*
Intel Pentium G630 @ 2.70GHz	2367	1669	23.68	\$100.00
Intel Pentium G630T @ 2.30GHz	2086	1779	26.09	\$79.99*
Intel Pentium G640 @ 2.80GHz	2520	1610	63.01	\$40.00
Intel Pentium G640T @ 2.40GHz	1979	1828	NA	NA
Intel Pentium G645 @ 2.90GHz	2586	1584	64.66	\$40.00
Intel Pentium G645T @ 2.50GHz	2227	1726	NA	NA
Intel Pentium G840 @ 2.80GHz	2560	1597	73.19	\$34.99*
Intel Pentium G850 @ 2.90GHz	2658	1560	88.96	\$29.88*
Intel Pentium G860 @ 3.00GHz	2734	1542	32.95	\$82.99
Intel Pentium G870 @ 3.10GHz	2785	1521	28.72	\$97.00*
Intel Pentium G2010 @ 2.80GHz	2594	1580	51.89	\$50.00*
Intel Pentium G2020 @ 2.90GHz	2753	1534	45.94	\$59.95*
Intel Pentium G2020T @ 2.50GHz	2418	1649	50.81	\$47.60*
Intel Pentium G2030 @ 3.00GHz	2863	1497	59.66	\$48.00
Intel Pentium G2030T @ 2.60GHz	2496	1623	39.01	\$64.00*
Intel Pentium G2100T @ 2.60GHz	2763	1530	NA	NA
Intel Pentium G2120 @ 3.10GHz	3080	1422	19.31	\$159.55*
Intel Pentium G2130 @ 3.20GHz	3191	1380	63.84	\$49.99*
Intel Pentium G2140 @ 3.30GHz	3377	1325	41.41	\$81.56
Intel Pentium G3220 @ 3.00GHz	3123	1405	32.56	\$95.93
Intel Pentium G3220T @ 2.60GHz	2562	1596	40.69	\$62.98*
Intel Pentium G3240 @ 3.10GHz	3155	1395	39.44	\$79.99
Intel Pentium G3240T @ 2.70GHz	2839	1500	NA	NA

Intel Pentium G3250 @ 3.20GHz	3242	1363	13.93	\$232.84*
Intel Pentium G3250T @ 2.80GHz	2969	1457	33.00	\$89.99*
Intel Pentium G3258 @ 3.20GHz	3863	1198	20.52	\$188.28
Intel Pentium G3260 @ 3.30GHz	3357	1329	23.98	\$139.99*
Intel Pentium G3260T @ 2.90GHz	2930	1470	32.56	\$89.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G3320TE @ 2.30GHz	2389	1660	NA	NA
Intel Pentium G3420 @ 3.20GHz	3393	1318	52.21	\$65.00
Intel Pentium G3420T @ 2.70GHz	3008	1440	18.80	\$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1317	37.74	\$89.99*
Intel Pentium G3440 @ 3.30GHz	3324	1341	20.79	\$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1412	NA	NA
Intel Pentium G3450 @ 3.40GHz	3696	1245	36.97	\$99.99*
Intel Pentium G3450T @ 2.90GHz	2967	1458	NA	NA
Intel Pentium G3460 @ 3.50GHz	3587	1271	12.45	\$288.20*
Intel Pentium G3470 @ 3.60GHz	3714	1243	35.62	\$104.29*
Intel Pentium G4400 @ 3.30GHz	3531	1285	20.15	\$175.30
Intel Pentium G4400T @ 2.90GHz	3168	1387	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1493	45.09	\$64.00*
Intel Pentium G4500 @ 3.50GHz	3792	1216	43.09	\$88.00
Intel Pentium G4500T @ 3.00GHz	3471	1302	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	1138	38.05	\$109.99*
Intel Pentium G4560 @ 3.50GHz	4860	1001	48.61	\$99.99
Intel Pentium G4560T @ 2.90GHz	3990	1170	36.28	\$109.99*
Intel Pentium G4600 @ 3.60GHz	5069	952	21.13	\$239.95
Intel Pentium G4600T @ 3.00GHz	4266	1121	24.06	\$177.28*
Intel Pentium G4620 @ 3.70GHz	5215	927	45.89	\$113.66*
Intel Pentium G6950 @ 2.80GHz	1855	1896	46.41	\$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1760	22.72	\$94.00*
Intel Pentium G6960 @ 2.93GHz	2043	1801	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5210	929	74.44	\$69.99

Intel Pentium Gold G5400T @ 3.10GHz	4884	995	76.31	\$64.00*
Intel Pentium Gold G5420 @ 3.80GHz	5309	918	70.79	\$75.00
Intel Pentium Gold G5420T @ 3.20GHz	5156	939	80.57	\$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5195	932	30.58	\$169.90*
Intel Pentium Gold G5500T @ 3.20GHz	4346	1103	57.95	\$75.00*
Intel Pentium Gold G5600 @ 3.90GHz	5570	870	51.60	\$107.95
Intel Pentium Gold G5600F @ 3.90GHz	5736	850	NA	NA
Intel Pentium Gold G5620 @ 4.00GHz	5655	856	33.84	\$167.13*
Intel Pentium III 933S @ 933MHz	238	2932	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2870	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2886	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2831	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2850	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2847	NA	NA
Intel Pentium III Mobile 750MHz	103	3020	NA	NA
Intel Pentium III Mobile 800MHz	182	2984	NA	NA
Intel Pentium III Mobile 866MHz	152	3003	NA	NA
Intel Pentium III Mobile 933MHz	218	2947	7.55	\$28.99*
Intel Pentium III Mobile 1000MHz	245	2923	NA	NA
Intel Pentium III Mobile 1066MHz	246	2922	NA	NA
Intel Pentium III Mobile 1133MHz	251	2916	NA	NA
Intel Pentium III Mobile 1200MHz	240	2930	NA	NA
Intel Pentium J2850 @ 2.41GHz	1775	1931	NA	NA
Intel Pentium J2900 @ 2.41GHz	1974	1832	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium J3710 @ 1.60GHz	1919	1862	NA	NA
Intel Pentium J4205 @ 1.50GHz	2264	1710	NA	NA
Intel Pentium M 1.10GHz	282	2876	NA	NA
Intel Pentium M 1.20GHz	298	2848	NA	NA
Intel Pentium M 1.30GHz	301	2841	NA	NA
Intel Pentium M 1.40GHz	345	2793	NA	NA

<u>Intel Pentium M 1.50GHz</u>	366	2770	NA	NA
<u>Intel Pentium M 1.60GHz</u>	364	2775	NA	NA
<u>Intel Pentium M 1.70GHz</u>	406	2718	NA	NA
<u>Intel Pentium M 1.73GHz</u>	412	2710	NA	NA
<u>Intel Pentium M 1.80GHz</u>	411	2711	NA	NA
<u>Intel Pentium M 1.86GHz</u>	438	2685	NA	NA
<u>Intel Pentium M 2.00GHz</u>	461	2660	NA	NA
<u>Intel Pentium M 2.10GHz</u>	448	2673	NA	NA
<u>Intel Pentium M 2.13GHz</u>	499	2623	NA	NA
<u>Intel Pentium M 2.26GHz</u>	509	2615	NA	NA
<u>Intel Pentium M 756 @ 1.66GHz</u>	484	2640	NA	NA
<u>Intel Pentium M 900MHz</u>	217	2951	NA	NA
<u>Intel Pentium M 1000MHz</u>	233	2936	NA	NA
<u>Intel Pentium M 1100MHz</u>	259	2908	NA	NA
<u>Intel Pentium M 1200MHz</u>	237	2933	NA	NA
<u>Intel Pentium M 1300MHz</u>	303	2835	NA	NA
<u>Intel Pentium M 1400MHz</u>	320	2817	NA	NA
<u>Intel Pentium M 1500MHz</u>	354	2783	NA	NA
<u>Intel Pentium M 1600MHz</u>	335	2802	NA	NA
<u>Intel Pentium M 1700MHz</u>	376	2755	NA	NA
<u>Intel Pentium N3510 @ 1.99GHz</u>	1519	2064	NA	NA
<u>Intel Pentium N3520 @ 2.16GHz</u>	1803	1919	NA	NA
<u>Intel Pentium N3530 @ 2.16GHz</u>	1907	1868	NA	NA
<u>Intel Pentium N3540 @ 2.16GHz</u>	1933	1854	<u>7.71</u>	<u>\$250.87*</u>
<u>Intel Pentium N3700 @ 1.60GHz</u>	1831	1909	<u>4.12</u>	<u>\$444.78*</u>
<u>Intel Pentium N3710 @ 1.60GHz</u>	1864	1892	NA	NA
<u>Intel Pentium N4200 @ 1.10GHz</u>	2029	1807	<u>8.67</u>	<u>\$233.98*</u>
<u>Intel Pentium P6000 @ 1.87GHz</u>	1244	2215	NA	NA
<u>Intel Pentium P6100 @ 2.00GHz</u>	1326	2159	<u>46.66</u>	<u>\$28.44*</u>
<u>Intel Pentium P6200 @ 2.13GHz</u>	1351	2146	<u>30.06</u>	<u>\$44.95*</u>
<u>Intel Pentium P6300 @ 2.27GHz</u>	1372	2135	NA	NA
<u>Intel Pentium Silver J5005 @ 1.50GHz</u>	2904	1481	<u>13.56</u>	<u>\$214.18</u>

Intel Pentium Silver J5040 @ 2.00GHz	3319	1342	NA	NA
Intel Pentium Silver N5000 @ 1.10GHz	2447	1639	15.20	\$161.00*
Intel Pentium SU2700 @ 1.30GHz	405	2720	NA	NA
Intel Pentium SU4100 @ 1.30GHz	854	2443	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2447	NA	NA
Intel Pentium T2060 @ 1.60GHz	663	2530	NA	NA
Intel Pentium T2080 @ 1.73GHz	706	2509	4.41	\$159.95*
Intel Pentium T2130 @ 1.86GHz	706	2507	NA	NA
Intel Pentium T2310 @ 1.46GHz	735	2497	NA	NA
Intel Pentium T2330 @ 1.60GHz	830	2453	NA	NA
Intel Pentium T2370 @ 1.73GHz	849	2445	24.26	\$35.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium T2390 @ 1.86GHz	949	2391	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2367	NA	NA
Intel Pentium T3200 @ 2.00GHz	1034	2328	86.19	\$12.00*
Intel Pentium T3400 @ 2.16GHz	1116	2281	12.41	\$89.95*
Intel Pentium T4200 @ 2.00GHz	1152	2266	96.03	\$12.00*
Intel Pentium T4300 @ 2.10GHz	1232	2219	NA	NA
Intel Pentium T4400 @ 2.20GHz	1281	2189	NA	NA
Intel Pentium T4500 @ 2.30GHz	1333	2155	NA	NA
Intel Pentium U5400 @ 1.20GHz	814	2460	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2390	NA	NA
Intel T1200 @ 1.50GHz	435	2691	NA	NA
Intel T1400 @ 1.73GHz	929	2405	NA	NA
Intel T1500 @ 1.86GHz	976	2368	NA	NA
Intel T2050 @ 2.00GHz	959	2384	NA	NA
Intel Xeon 2.00GHz	233	2935	NA	NA
Intel XEON 2.20GHz	252	2914	NA	NA
Intel Xeon 2.40GHz	276	2889	30.35	\$9.10*
Intel Xeon 2.66GHz	435	2690	NA	NA
Intel Xeon 2.80GHz	400	2730	NA	NA

Intel Xeon 3.00GHz	391	2743	NA	NA
Intel Xeon 3.06GHz	491	2627	NA	NA
Intel Xeon 3.20GHz	461	2661	NA	NA
Intel Xeon 3.40GHz	478	2643	NA	NA
Intel Xeon 3.60GHz	509	2614	0.60	\$851.00*
Intel Xeon 3.73GHz	1041	2324	NA	NA
Intel Xeon 3.80GHz	604	2558	0.71	\$851.00*
Intel Xeon 1500MHz	193	2974	NA	NA
Intel Xeon 3040 @ 1.86GHz	1278	2191	51.05	\$25.04*
Intel Xeon 3050 @ 2.13GHz	1300	2172	8.23	\$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	2065	66.07	\$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	2063	72.77	\$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1930	10.08	\$176.96
Intel Xeon 3075 @ 2.66GHz	1840	1904	5.26	\$349.95*
Intel Xeon 3085 @ 3.00GHz	1772	1933	NA	NA
Intel Xeon 5110 @ 1.60GHz	1084	2303	30.99	\$35.00*
Intel Xeon 5120 @ 1.86GHz	1248	2214	0.77	\$1,619.99
Intel Xeon 5130 @ 2.00GHz	1366	2137	27.90	\$48.99*
Intel Xeon 5133 @ 2.20GHz	1598	2033	NA	NA
Intel Xeon 5140 @ 2.33GHz	1636	2013	65.49	\$24.99*
Intel Xeon 5148 @ 2.33GHz	1590	2038	121.17	\$13.13*
Intel Xeon 5150 @ 2.66GHz	1740	1947	12.44	\$139.95*
Intel Xeon 5160 @ 3.00GHz	1958	1842	39.17	\$49.99*
Intel Xeon @ 2.00GHz	11327	319	NA	NA
Intel Xeon @ 2.20GHz	1902	1871	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5685	853	24.77	\$229.58
Intel Xeon Bronze 3106 @ 1.70GHz	6791	732	20.58	\$329.99
Intel Xeon D-1518 @ 2.20GHz	5322	917	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	847	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	714	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

Intel Xeon D-1528 @ 1.90GHz	8210	585	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9643	441	27.71	\$348.00*
Intel Xeon D-1537 @ 1.70GHz	8445	563	14.79	\$571.00*
Intel Xeon D-1539 @ 1.60GHz	8443	564	17.37	\$486.00*
Intel Xeon D-1540 @ 2.00GHz	10740	348	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11016	331	NA	NA
Intel Xeon D-1548 @ 2.00GHz	10679	353	19.24	\$555.00*
Intel Xeon D-1557 @ 1.50GHz	10950	337	15.78	\$694.00*
Intel Xeon D-1559 @ 1.50GHz	8055	601	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	214	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	227	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8150	590	38.26	\$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	270	23.13	\$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	235	24.41	\$566.00*
Intel Xeon D-2146NT @ 2.30GHz	12057	298	18.81	\$641.00*
Intel Xeon D-2166NT @ 2.00GHz	15922	172	15.84	\$1,005.00*
Intel Xeon D-2183IT @ 2.20GHz	19381	110	10.99	\$1,764.00*
Intel Xeon D-2187NT @ 2.00GHz	19741	101	9.93	\$1,989.00*
Intel Xeon E3-1205 v6 @ 3.00GHz	7360	682	38.14	\$193.00*
Intel Xeon E3-1220 @ 3.10GHz	6260	786	142.29	\$44.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6753	739	125.08	\$53.99
Intel Xeon E3-1220 v3 @ 3.10GHz	7194	698	53.30	\$134.99
Intel Xeon E3-1220 v5 @ 3.00GHz	7768	640	29.16	\$266.46*
Intel Xeon E3-1220 v6 @ 3.00GHz	7739	644	33.38	\$231.90
Intel Xeon E3-1220L @ 2.20GHz	3606	1263	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	1088	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2070	1788	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	6105	805	103.51	\$58.99
Intel Xeon E3-1225 V2 @ 3.20GHz	6989	713	107.55	\$64.99
Intel Xeon E3-1225 v3 @ 3.20GHz	7253	692	53.34	\$135.99
Intel Xeon E3-1225 v5 @ 3.30GHz	7831	632	29.22	\$268.04*
Intel Xeon E3-1225 v6 @ 3.30GHz	7958	621	31.27	\$254.49

Intel Xeon E3-1226 v3 @ 3.30GHz	7590	658	12.76	\$595.00*
Intel Xeon E3-1230 @ 3.20GHz	7852	628	84.45	\$92.99
Intel Xeon E3-1230 V2 @ 3.30GHz	8873	523	113.76	\$78.00
Intel Xeon E3-1230 v3 @ 3.30GHz	9332	470	43.41	\$215.00
Intel Xeon E3-1230 v5 @ 3.40GHz	9774	430	28.62	\$341.53*
Intel Xeon E3-1230 v6 @ 3.50GHz	9802	423	36.31	\$269.99
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	695	25.12	\$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9637	442	18.90	\$509.95
Intel Xeon E3-1235 @ 3.20GHz	7759	641	31.80	\$244.00*
Intel Xeon E3-1235L v5 @ 2.00GHz	6462	767	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7980	619	93.90	\$84.99
Intel Xeon E3-1240 V2 @ 3.40GHz	9156	487	85.58	\$106.99
Intel Xeon E3-1240 v3 @ 3.40GHz	9684	436	25.19	\$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10319	375	30.20	\$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10487	368	36.40	\$288.10
Intel Xeon E3-1240L v3 @ 2.00GHz	7486	666	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7746	643	27.87	\$278.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1241 v3 @ 3.50GHz	10026	398	27.10	\$369.99
Intel Xeon E3-1245 @ 3.30GHz	8030	605	86.36	\$92.99
Intel Xeon E3-1245 V2 @ 3.40GHz	9128	489	73.63	\$123.99
Intel Xeon E3-1245 v3 @ 3.40GHz	9589	445	37.61	\$255.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10171	387	29.46	\$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10567	360	21.14	\$499.95
Intel Xeon E3-1246 v3 @ 3.50GHz	9870	416	24.13	\$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6180	794	107.84	\$57.31
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	384	13.88	\$736.16*
Intel Xeon E3-1265L @ 2.40GHz	5961	819	6.49	\$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7515	664	50.78	\$148.00*
Intel Xeon E3-1265L v3 @ 2.50GHz	9185	485	12.94	\$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	497	NA	NA

Intel Xeon E3-1268L v3 @ 2.30GHz	7850	629	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	538	19.05	\$456.54*
Intel Xeon E3-1270 @ 3.40GHz	8246	582	26.18	\$315.00*
Intel Xeon E3-1270 V2 @ 3.50GHz	9481	453	49.90	\$189.99
Intel Xeon E3-1270 v3 @ 3.50GHz	9931	410	62.07	\$159.99
Intel Xeon E3-1270 v5 @ 3.60GHz	10295	378	23.62	\$435.90
Intel Xeon E3-1270 v6 @ 3.80GHz	11184	324	31.96	\$349.99
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	351	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10119	390	11.40	\$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8111	597	26.68	\$304.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9424	463	23.88	\$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	10055	396	25.08	\$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10353	374	27.28	\$379.52*
Intel Xeon E3-1275 v6 @ 3.80GHz	11028	329	25.53	\$431.95
Intel Xeon E3-1275L v3 @ 2.70GHz	8896	519	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10241	382	9.54	\$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8420	567	25.35	\$332.20
Intel Xeon E3-1280 V2 @ 3.60GHz	9462	456	26.29	\$360.00
Intel Xeon E3-1280 v3 @ 3.60GHz	9794	425	21.81	\$449.00*
Intel Xeon E3-1280 v5 @ 3.70GHz	10620	358	15.39	\$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11041	328	24.72	\$446.69
Intel Xeon E3-1281 v3 @ 3.70GHz	10031	397	11.43	\$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10503	366	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	365	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	12016	301	24.05	\$499.66
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	405	12.35	\$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10970	336	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	411	11.80	\$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	452	12.27	\$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8768	531	9.91	\$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9654	439	10.91	\$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	779	NA	NA

Intel Xeon E3-1505L v6 @ 2.20GHz	7887	625	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8966	510	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9679	437	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10016	400	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1535M v5 @ 2.90GHz	9323	472	14.97	\$623.00*
Intel Xeon E3-1535M v6 @ 3.10GHz	10541	362	16.92	\$623.00*
Intel Xeon E3-1545M v5 @ 2.90GHz	10283	379	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10628	357	8.81	\$1,207.00*
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	346	19.42	\$556.00*
Intel Xeon E3-1585L v5 @ 3.00GHz	10248	381	23.03	\$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7265	691	161.50	\$44.99*
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	673	NA	NA
Intel Xeon E5-1428L v2 @ 2.20GHz	8679	543	17.57	\$494.00*
Intel Xeon E5-1603 @ 2.80GHz	5578	869	279.35	\$19.97*
Intel Xeon E5-1603 v3 @ 2.80GHz	6238	788	62.39	\$99.99*
Intel Xeon E5-1603 v4 @ 2.80GHz	6454	770	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5876	828	202.63	\$29.00
Intel Xeon E5-1607 v2 @ 3.00GHz	6228	790	178.21	\$34.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	7029	709	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7270	689	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9072	495	144.01	\$63.00
Intel Xeon E5-1620 v2 @ 3.70GHz	9501	451	166.70	\$57.00
Intel Xeon E5-1620 v3 @ 3.50GHz	9752	431	76.26	\$127.88*
Intel Xeon E5-1620 v4 @ 3.50GHz	9897	412	23.70	\$417.55
Intel Xeon E5-1630 v3 @ 3.70GHz	10228	383	21.40	\$477.99*
Intel Xeon E5-1630 v4 @ 3.70GHz	10297	377	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11736	308	23.71	\$495.00*
Intel Xeon E5-1650 v2 @ 3.50GHz	12745	274	97.30	\$131.00
Intel Xeon E5-1650 v3 @ 3.50GHz	13629	242	104.85	\$129.99
Intel Xeon E5-1650 v4 @ 3.60GHz	14195	222	27.94	\$508.00*

Intel Xeon E5-1660 @ 3.30GHz	12201	294	9.95	\$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13919	231	49.36	\$281.99*
Intel Xeon E5-1660 v3 @ 3.00GHz	14656	209	35.84	\$408.95*
Intel Xeon E5-1660 v4 @ 3.20GHz	16208	160	13.18	\$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16194	161	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16384	153	27.31	\$599.99
Intel Xeon E5-1680 v4 @ 3.40GHz	17063	139	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	122	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1286	73.80	\$47.75*
Intel Xeon E5-2403 v2 @ 1.80GHz	3590	1270	161.73	\$22.20*
Intel Xeon E5-2407 @ 2.20GHz	4188	1136	49.32	\$84.92*
Intel Xeon E5-2407 v2 @ 2.40GHz	4810	1009	13.37	\$359.95*
Intel Xeon E5-2418L @ 2.00GHz	5202	931	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7092	705	365.42	\$19.41*
Intel Xeon E5-2420 v2 @ 2.20GHz	8791	528	321.68	\$27.33*
Intel Xeon E5-2430 @ 2.20GHz	7695	649	25.23	\$304.99
Intel Xeon E5-2430 v2 @ 2.50GHz	9061	496	110.52	\$81.99
Intel Xeon E5-2430L @ 2.00GHz	7834	631	242.71	\$32.28*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	755	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9221	483	230.59	\$39.99*
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	476	277.17	\$33.52*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	514	6.29	\$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10478	369	149.72	\$69.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2450L @ 1.80GHz	8261	581	206.53	\$40.00
Intel Xeon E5-2470 @ 2.30GHz	10982	333	85.80	\$128.00*
Intel Xeon E5-2470 v2 @ 2.40GHz	11481	315	36.92	\$310.99
Intel Xeon E5-2603 @ 1.80GHz	3591	1269	75.05	\$47.85*
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1223	62.78	\$59.99*
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	936	75.07	\$69.00*
Intel Xeon E5-2603 v4 @ 1.70GHz	5524	881	21.25	\$260.00*

Intel Xeon E5-2608L v3 @ 2.00GHz	7857	627	17.82	\$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4624	1041	165.22	\$27.99
Intel Xeon E5-2609 v2 @ 2.50GHz	5179	937	167.12	\$30.99*
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	824	55.66	\$106.03*
Intel Xeon E5-2609 v4 @ 1.70GHz	6925	724	19.25	\$359.73*
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	296	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14572	212	18.71	\$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7897	624	91.80	\$86.02
Intel Xeon E5-2620 v2 @ 2.10GHz	8629	548	221.28	\$39.00
Intel Xeon E5-2620 v3 @ 2.40GHz	9985	404	203.87	\$48.98
Intel Xeon E5-2620 v4 @ 2.10GHz	11316	320	29.09	\$389.00
Intel Xeon E5-2623 v3 @ 3.00GHz	8987	506	74.27	\$121.00
Intel Xeon E5-2623 v4 @ 2.60GHz	8643	547	15.74	\$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	464	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	289	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	263	9.61	\$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	330	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8909	517	223.07	\$39.94*
Intel Xeon E5-2630 v2 @ 2.60GHz	10389	371	308.93	\$33.63
Intel Xeon E5-2630 v3 @ 2.40GHz	12785	271	127.86	\$100.00
Intel Xeon E5-2630 v4 @ 2.20GHz	13877	234	22.82	\$608.00
Intel Xeon E5-2630L @ 2.00GHz	8004	610	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9098	492	245.05	\$37.13*
Intel Xeon E5-2630L v3 @ 1.80GHz	9666	438	20.14	\$479.90*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	269	NA	NA
Intel Xeon E5-2637 @ 3.00GHz	4508	1068	5.09	\$885.00*
Intel Xeon E5-2637 v2 @ 3.50GHz	9293	475	132.78	\$69.99*
Intel Xeon E5-2637 v3 @ 3.50GHz	10117	392	80.96	\$124.98
Intel Xeon E5-2637 v4 @ 3.50GHz	10512	364	9.79	\$1,073.37
Intel Xeon E5-2640 @ 2.50GHz	9424	462	235.68	\$39.99
Intel Xeon E5-2640 v2 @ 2.00GHz	10213	385	256.83	\$39.77*

Intel Xeon E5-2640 v3 @ 2.60GHz	13893	233	102.92	\$135.00
Intel Xeon E5-2640 v4 @ 2.40GHz	15420	189	16.76	\$920.27*
Intel Xeon E5-2643 @ 3.30GHz	8448	562	4.06	\$2,083.00
Intel Xeon E5-2643 v2 @ 3.50GHz	13185	259	104.33	\$126.39
Intel Xeon E5-2643 v3 @ 3.40GHz	13945	229	55.78	\$250.00*
Intel Xeon E5-2643 v4 @ 3.40GHz	13475	250	7.48	\$1,801.96*
Intel Xeon E5-2648L @ 1.80GHz	6698	747	NA	NA
Intel Xeon E5-2648L v2 @ 1.90GHz	11381	317	7.70	\$1,479.00*
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	316	7.30	\$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	240	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	207	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2650 @ 2.00GHz	10257	380	235.81	\$43.50
Intel Xeon E5-2650 v2 @ 2.60GHz	13223	257	71.32	\$185.41
Intel Xeon E5-2650 v3 @ 2.30GHz	14889	203	129.47	\$115.00
Intel Xeon E5-2650 v4 @ 2.20GHz	15587	184	15.45	\$1,009.00*
Intel Xeon E5-2650L @ 1.80GHz	8483	561	113.11	\$75.00
Intel Xeon E5-2650L v2 @ 1.70GHz	9880	414	135.26	\$73.05
Intel Xeon E5-2650L v3 @ 1.80GHz	13341	255	57.45	\$232.22*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	226	26.10	\$539.99
Intel Xeon E5-2651 v2 @ 1.80GHz	11302	321	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9632	444	6.59	\$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	13667	238	75.93	\$179.99*
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	158	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	17275	135	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11279	323	117.09	\$96.33*
Intel Xeon E5-2660 v2 @ 2.20GHz	13171	260	61.87	\$212.89*
Intel Xeon E5-2660 v3 @ 2.60GHz	16748	145	90.05	\$186.00
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	142	11.82	\$1,428.29
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	228	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11750	307	114.79	\$102.37*

Intel Xeon E5-2667 @ 2.90GHz	10691	350	167.08	\$63.99
Intel Xeon E5-2667 v2 @ 3.30GHz	16042	163	84.44	\$189.99
Intel Xeon E5-2667 v3 @ 3.20GHz	16001	167	51.79	\$309.00
Intel Xeon E5-2667 v4 @ 3.20GHz	16631	149	6.76	\$2,459.95
Intel Xeon E5-2670 @ 2.60GHz	12372	286	93.51	\$132.31
Intel Xeon E5-2670 v2 @ 2.50GHz	15026	198	61.84	\$243.00
Intel Xeon E5-2670 v3 @ 2.30GHz	16808	144	41.24	\$407.61
Intel Xeon E5-2673 v2 @ 3.30GHz	16173	162	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16372	154	23.39	\$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21300	76	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15137	195	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17608	130	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	17014	140	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	40	9.35	\$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12888	267	163.14	\$79.00
Intel Xeon E5-2680 v2 @ 2.80GHz	15892	176	91.38	\$173.93
Intel Xeon E5-2680 v3 @ 2.50GHz	18420	121	96.95	\$189.99
Intel Xeon E5-2680 v4 @ 2.40GHz	19783	98	13.11	\$1,509.00*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	87	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17346	134	37.71	\$460.00
Intel Xeon E5-2683 v4 @ 2.10GHz	18863	115	8.54	\$2,208.93*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	199	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	111	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	97	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14324	219	25.13	\$569.95
Intel Xeon E5-2687W v2 @ 3.40GHz	16347	156	48.80	\$335.00*
Intel Xeon E5-2687W v3 @ 3.10GHz	17804	127	29.24	\$608.99*
Intel Xeon E5-2687W v4 @ 3.00GHz	19888	95	9.14	\$2,174.99*
Intel Xeon E5-2689 @ 2.60GHz	13314	256	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	100	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

Intel Xeon E5-2690 @ 2.90GHz	13749	237	176.61	\$77.85
Intel Xeon E5-2690 v2 @ 3.00GHz	16367	155	75.80	\$215.93
Intel Xeon E5-2690 v3 @ 2.60GHz	18903	114	84.02	\$225.00
Intel Xeon E5-2690 v4 @ 2.60GHz	21167	78	9.75	\$2,169.99*
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	166	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	16041	164	61.94	\$258.99
Intel Xeon E5-2695 v3 @ 2.30GHz	19710	103	40.31	\$489.00
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	90	3.49	\$5,808.00*
Intel Xeon E5-2696 v2 @ 2.50GHz	15905	174	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22172	63	8.88	\$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	77	7.05	\$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17170	137	61.99	\$276.99
Intel Xeon E5-2697 v3 @ 2.60GHz	21386	75	35.06	\$609.99
Intel Xeon E5-2697 v4 @ 2.30GHz	21435	73	7.66	\$2,798.95
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	61	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21042	80	28.47	\$739.00
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	69	6.02	\$3,629.59*
Intel Xeon E5-2699 v3 @ 2.30GHz	22340	62	18.48	\$1,208.99
Intel Xeon E5-2699 v4 @ 2.20GHz	23435	56	5.88	\$3,989.00
Intel Xeon E5-2699A v4 @ 2.40GHz	22948	60	4.65	\$4,938.00*
Intel Xeon E5-4603 @ 2.00GHz	5014	971	52.21	\$96.04*
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	482	NA	NA
Intel Xeon E5-4610 @ 2.40GHz	9552	448	7.81	\$1,223.00*
Intel Xeon E5-4610 v3 @ 1.70GHz	8853	525	7.26	\$1,219.00*
Intel Xeon E5-4617 @ 2.90GHz	9313	474	103.59	\$89.90*
Intel Xeon E5-4620 @ 2.20GHz	9248	480	68.91	\$134.21*
Intel Xeon E5-4627 v2 @ 3.30GHz	12511	282	24.58	\$508.95*
Intel Xeon E5-4627 v3 @ 2.60GHz	14615	210	6.09	\$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15536	186	6.98	\$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10807	345	3.96	\$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	275	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	327	NA	NA

Intel Xeon E5-4650 @ 2.70GHz	11685	312	166.96	\$69.99*
Intel Xeon E5-4650L @ 2.60GHz	12145	297	164.17	\$73.98*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	290	2.66	\$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15531	187	11.10	\$1,399.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	177	3.30	\$4,800.00*
Intel Xeon E5-4667 v3 @ 2.00GHz	16388	152	2.86	\$5,729.00*
Intel Xeon E5-4669 v3 @ 2.10GHz	19615	108	3.63	\$5,400.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	243	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1407	1.75	\$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2154	1754	93.70	\$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1645	247.99	\$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1719	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	2118	98.21	\$14.27*
Intel Xeon E5240 @ 3.00GHz	2424	1647	27.31	\$88.78*
Intel Xeon E5310 @ 1.60GHz	2214	1733	45.19	\$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1696	59.05	\$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1615	141.45	\$17.77*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5345 @ 2.33GHz	2886	1492	72.17	\$39.99*
Intel Xeon E5405 @ 2.00GHz	2835	1504	70.97	\$39.95*
Intel Xeon E5410 @ 2.33GHz	3261	1355	15.61	\$208.95*
Intel Xeon E5420 @ 2.50GHz	3476	1300	55.22	\$62.95*
Intel Xeon E5430 @ 2.66GHz	3749	1231	24.20	\$154.95*
Intel Xeon E5440 @ 2.83GHz	3954	1179	39.94	\$99.00*
Intel Xeon E5450 @ 3.00GHz	4179	1139	13.98	\$298.94*
Intel Xeon E5462 @ 2.80GHz	3872	1196	141.86	\$27.30*
Intel Xeon E5472 @ 3.00GHz	4083	1156	135.93	\$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	2132	14.51	\$95.00*
Intel Xeon E5503 @ 2.00GHz	1381	2130	4.81	\$287.01*
Intel Xeon E5504 @ 2.00GHz	2668	1557	38.15	\$69.95*
Intel Xeon E5506 @ 2.13GHz	2975	1454	47.22	\$63.01*

Intel Xeon E5507 @ 2.27GHz	3125	1404	6.84	\$456.91*
Intel Xeon E5520 @ 2.27GHz	4373	1097	90.16	\$48.51*
Intel Xeon E5530 @ 2.40GHz	4494	1074	345.72	\$13.00*
Intel Xeon E5540 @ 2.53GHz	4747	1021	80.46	\$59.00*
Intel Xeon E5603 @ 1.60GHz	2364	1672	18.32	\$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1431	18.29	\$167.00*
Intel Xeon E5607 @ 2.27GHz	3371	1327	48.71	\$69.21*
Intel Xeon E5620 @ 2.40GHz	4769	1018	80.85	\$58.99*
Intel Xeon E5630 @ 2.53GHz	5055	957	144.43	\$35.00*
Intel Xeon E5640 @ 2.67GHz	5250	923	77.68	\$67.60*
Intel Xeon E5645 @ 2.40GHz	6410	775	78.84	\$81.31*
Intel Xeon E5649 @ 2.53GHz	6836	728	65.69	\$104.07*
Intel Xeon E7320 @ 2.13GHz	2413	1650	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	634	40.54	\$193.00*
Intel Xeon E-2124 @ 3.30GHz	9363	466	44.59	\$209.99
Intel Xeon E-2124G @ 3.40GHz	9891	413	40.71	\$242.99
Intel Xeon E-2126G @ 3.30GHz	13650	241	45.50	\$299.99*
Intel Xeon E-2134 @ 3.50GHz	10882	341	41.07	\$264.99
Intel Xeon E-2136 @ 3.30GHz	15749	181	51.53	\$305.65
Intel Xeon E-2144G @ 3.60GHz	11532	314	34.09	\$338.28*
Intel Xeon E-2146G @ 3.50GHz	15622	182	46.78	\$333.99
Intel Xeon E-2174G @ 3.80GHz	12278	291	31.09	\$394.99
Intel Xeon E-2176G @ 3.70GHz	15592	183	38.17	\$408.44
Intel Xeon E-2176M @ 2.70GHz	13547	247	30.11	\$450.00*
Intel Xeon E-2186G @ 3.80GHz	15838	178	30.17	\$524.99*
Intel Xeon E-2186M @ 2.90GHz	14448	215	23.19	\$623.00*
Intel Xeon E-2224 @ 3.40GHz	10096	393	50.99	\$198.00*
Intel Xeon E-2224G @ 3.50GHz	9863	417	45.25	\$218.00*
Intel Xeon E-2226G @ 3.40GHz	12887	268	49.57	\$260.00*
Intel Xeon E-2236 @ 3.40GHz	15781	179	54.61	\$289.00*
Intel Xeon E-2244G @ 3.80GHz	12782	272	46.99	\$272.00*
Intel Xeon E-2246G @ 3.60GHz	15961	169	51.32	\$311.00*

Intel Xeon E-2254ML @ 1.70GHz	9458	458	NA	NA
Intel Xeon E-2274G @ 4.00GHz	12595	280	37.71	\$334.00*
Intel Xeon E-2276G @ 3.80GHz	14143	223	39.07	\$362.00*
Intel Xeon E-2276M @ 2.80GHz	14522	213	32.27	\$450.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E-2278G @ 3.40GHz	17670	128	35.77	\$494.00*
Intel Xeon E-2278GEL @ 2.00GHz	13914	232	28.17	\$494.00*
Intel Xeon E-2286G @ 4.00GHz	16671	148	37.05	\$450.00*
Intel Xeon E-2286M @ 2.40GHz	18086	125	29.03	\$623.00*
Intel Xeon E-2288G @ 3.70GHz	19665	105	36.49	\$539.00*
Intel Xeon Gold 5117 @ 2.00GHz	16672	147	NA	NA
Intel Xeon Gold 5118 @ 2.30GHz	16435	151	14.96	\$1,099.00*
Intel Xeon Gold 5120 @ 2.20GHz	17625	129	11.29	\$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	124	10.51	\$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	10896	340	8.77	\$1,242.68
Intel Xeon Gold 5218 @ 2.30GHz	20622	84	15.84	\$1,302.03
Intel Xeon Gold 6126 @ 2.60GHz	19711	102	10.43	\$1,889.97*
Intel Xeon Gold 6128 @ 3.40GHz	14961	202	8.70	\$1,719.99
Intel Xeon Gold 6130 @ 2.10GHz	19643	106	10.24	\$1,918.31
Intel Xeon Gold 6132 @ 2.60GHz	23907	53	10.87	\$2,199.90*
Intel Xeon Gold 6134 @ 3.20GHz	18206	123	7.89	\$2,309.00
Intel Xeon Gold 6136 @ 3.00GHz	21034	81	7.92	\$2,654.82*
Intel Xeon Gold 6137 @ 3.90GHz	20413	88	NA	NA
Intel Xeon Gold 6138 @ 2.00GHz	25421	37	9.49	\$2,679.99
Intel Xeon Gold 6140 @ 2.30GHz	23964	52	8.37	\$2,863.75
Intel Xeon Gold 6143 @ 2.80GHz	26128	32	NA	NA
Intel Xeon Gold 6144 @ 3.50GHz	19667	104	6.41	\$3,070.00*
Intel Xeon Gold 6146 @ 3.20GHz	24261	50	5.26	\$4,608.95*
Intel Xeon Gold 6148 @ 2.40GHz	25817	35	8.02	\$3,217.99
Intel Xeon Gold 6152 @ 2.10GHz	23498	55	6.18	\$3,799.99
Intel Xeon Gold 6154 @ 3.00GHz	27722	26	7.45	\$3,718.95*

Intel Xeon Gold 6210U @ 2.50GHz	28560	20	13.87	\$2,059.86*
Intel Xeon Gold 6212U @ 2.40GHz	28060	24	14.03	\$2,000.00*
Intel Xeon Gold 6230 @ 2.10GHz	24559	46	12.69	\$1,934.91
Intel Xeon Gold 6242 @ 2.80GHz	25313	39	9.54	\$2,654.39
Intel Xeon Gold 6246 @ 3.30GHz	25734	36	7.13	\$3,609.00*
Intel Xeon Gold 6254 @ 3.10GHz	30018	16	8.25	\$3,639.95
Intel Xeon L3110 @ 3.00GHz	2273	1706	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1224	42.18	\$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	2153	4.83	\$277.01*
Intel Xeon L3426 @ 1.87GHz	3943	1187	8.82	\$447.01*
Intel Xeon L5238 @ 2.66GHz	1823	1914	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1707	72.33	\$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1703	20.22	\$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1759	30.52	\$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1533	146.68	\$18.79*
Intel Xeon L5408 @ 2.13GHz	3014	1438	NA	NA
Intel Xeon L5410 @ 2.33GHz	3358	1328	33.56	\$100.08*
Intel Xeon L5420 @ 2.50GHz	3499	1295	127.26	\$27.50*
Intel Xeon L5430 @ 2.66GHz	3721	1237	23.56	\$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1242	16.59	\$224.00*
Intel Xeon L5520 @ 2.27GHz	4324	1109	48.08	\$89.95*
Intel Xeon L5530 @ 2.40GHz	4389	1095	227.93	\$19.26*
Intel Xeon L5630 @ 2.13GHz	4338	1105	206.69	\$20.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon L5638 @ 2.00GHz	5622	861	80.43	\$69.90*
Intel Xeon L5639 @ 2.13GHz	6869	726	NA	NA
Intel Xeon L5640 @ 2.27GHz	6228	789	74.72	\$83.36*
Intel Xeon L7455 @ 2.13GHz	3836	1206	NA	NA
Intel Xeon MV 3.20GHz	683	2522	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26835	30	NA	NA
Intel Xeon Platinum 8151 @ 3.40GHz	6947	721	NA	NA

Intel Xeon Platinum 8168 @ 2.70GHz	29131	18	4.95	\$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	19	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	23	NA	NA
Intel Xeon Platinum 8176 @ 2.10GHz	24434	49	2.80	\$8,725.00*
Intel Xeon Platinum 8268 @ 2.90GHz	31689	12	5.28	\$6,005.98*
Intel Xeon Silver 4108 @ 1.80GHz	10671	354	24.25	\$439.99
Intel Xeon Silver 4109T @ 2.00GHz	10908	339	21.77	\$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11689	311	28.10	\$416.00
Intel Xeon Silver 4112 @ 2.60GHz	8519	556	16.42	\$518.99
Intel Xeon Silver 4114 @ 2.20GHz	14309	220	20.94	\$683.49
Intel Xeon Silver 4116 @ 2.10GHz	15509	188	14.86	\$1,043.47
Intel Xeon Silver 4123 @ 3.00GHz	15185	193	NA	NA
Intel Xeon Silver 4208 @ 2.10GHz	13116	261	15.62	\$839.95
Intel Xeon Silver 4210 @ 2.20GHz	15898	175	14.45	\$1,099.95
Intel Xeon Silver 4214 @ 2.20GHz	17352	133	21.58	\$803.97
Intel Xeon Silver 4215 @ 2.50GHz	15200	192	15.89	\$956.57*
Intel Xeon Silver 4216 @ 2.10GHz	19538	109	18.32	\$1,066.37
Intel Xeon W3503 @ 2.40GHz	1758	1937	176.01	\$9.99*
Intel Xeon W3505 @ 2.53GHz	1842	1903	74.10	\$24.86*
Intel Xeon W3520 @ 2.67GHz	4938	983	102.89	\$48.00*
Intel Xeon W3530 @ 2.80GHz	5212	928	17.73	\$293.95*
Intel Xeon W3540 @ 2.93GHz	5395	899	270.85	\$19.92*
Intel Xeon W3550 @ 3.07GHz	5561	872	185.46	\$29.99*
Intel Xeon W3565 @ 3.20GHz	5771	842	288.73	\$19.99*
Intel Xeon W3570 @ 3.20GHz	6032	815	12.57	\$479.95*
Intel Xeon W3580 @ 3.33GHz	6180	793	28.81	\$214.50*
Intel Xeon W3670 @ 3.20GHz	8015	607	16.03	\$499.99*
Intel Xeon W3680 @ 3.33GHz	8895	520	81.62	\$108.99
Intel Xeon W3690 @ 3.47GHz	8957	513	74.64	\$120.00
Intel Xeon W5580 @ 3.20GHz	5836	835	84.59	\$68.99*
Intel Xeon W5590 @ 3.33GHz	6088	810	73.37	\$82.99
Intel Xeon W-2102 @ 2.90GHz	6977	715	24.31	\$286.99*

Intel Xeon W-2104 @ 3.20GHz	7418	676	29.09	\$255.00*
Intel Xeon W-2123 @ 3.60GHz	10666	355	31.61	\$337.48
Intel Xeon W-2125 @ 4.00GHz	12306	287	24.91	\$493.99
Intel Xeon W-2133 @ 3.60GHz	14406	216	23.35	\$617.00*
Intel Xeon W-2135 @ 3.70GHz	16305	157	16.25	\$1,003.47
Intel Xeon W-2140B @ 3.20GHz	18620	116	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19624	107	16.60	\$1,182.25*
Intel Xeon W-2150B @ 3.00GHz	21391	74	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21894	67	14.31	\$1,530.39*
Intel Xeon W-2170B @ 2.50GHz	24561	45	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon W-2175 @ 2.50GHz	24589	44	11.86	\$2,073.34*
Intel Xeon W-2195 @ 2.30GHz	24481	48	9.08	\$2,696.74
Intel Xeon W-3175X @ 3.10GHz	33538	8	10.76	\$3,115.66
Intel Xeon W-3235 @ 3.30GHz	24854	43	15.19	\$1,635.77*
Intel Xeon W-3265 @ 2.70GHz	32235	10	7.08	\$4,551.37*
Intel Xeon W-3275M @ 2.50GHz	34638	7	4.65	\$7,453.00*
Intel Xeon X3210 @ 2.13GHz	2740	1538	14.76	\$185.71*
Intel Xeon X3220 @ 2.40GHz	3089	1417	51.36	\$60.15*
Intel Xeon X3230 @ 2.66GHz	3391	1320	47.44	\$71.50*
Intel Xeon X3320 @ 2.50GHz	3306	1347	14.41	\$229.50*
Intel Xeon X3323 @ 2.50GHz	3177	1383	164.14	\$19.36*
Intel Xeon X3330 @ 2.66GHz	3340	1337	15.91	\$210.00*
Intel Xeon X3350 @ 2.66GHz	3820	1210	63.69	\$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1201	52.43	\$73.50*
Intel Xeon X3360 @ 2.83GHz	3925	1191	24.86	\$157.95*
Intel Xeon X3363 @ 2.83GHz	3981	1174	116.79	\$34.09*
Intel Xeon X3370 @ 3.00GHz	4284	1116	11.67	\$367.02*
Intel Xeon X3380 @ 3.16GHz	4600	1049	9.02	\$509.95*
Intel Xeon X3430 @ 2.40GHz	3340	1338	104.42	\$31.99*
Intel Xeon X3440 @ 2.53GHz	4510	1067	31.77	\$141.96*

Intel Xeon X3450 @ 2.67GHz	4744	1022	59.35	\$79.95*
Intel Xeon X3460 @ 2.80GHz	5142	940	14.40	\$357.00*
Intel Xeon X3470 @ 2.93GHz	5333	912	33.35	\$159.95*
Intel Xeon X3480 @ 3.07GHz	5629	859	NA	NA
Intel Xeon X5260 @ 3.33GHz	2448	1637	45.35	\$54.00*
Intel Xeon X5270 @ 3.50GHz	2553	1599	NA	NA
Intel Xeon X5272 @ 3.40GHz	2425	1646	17.33	\$140.00*
Intel Xeon X5355 @ 2.66GHz	3161	1392	10.20	\$309.95*
Intel Xeon X5365 @ 3.00GHz	3549	1277	45.51	\$77.99*
Intel Xeon X5450 @ 3.00GHz	4103	1153	68.43	\$59.96*
Intel Xeon X5460 @ 3.16GHz	4319	1111	43.29	\$99.78*
Intel Xeon X5470 @ 3.33GHz	4579	1053	24.23	\$189.00*
Intel Xeon X5472 @ 3.00GHz	4001	1168	17.78	\$225.00*
Intel Xeon X5482 @ 3.20GHz	4528	1065	45.29	\$99.99*
Intel Xeon X5492 @ 3.40GHz	4846	1004	3.48	\$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5270	920	17.29	\$304.85*
Intel Xeon X5560 @ 2.80GHz	5389	900	158.56	\$33.99*
Intel Xeon X5570 @ 2.93GHz	5600	865	23.34	\$239.95*
Intel Xeon X5647 @ 2.93GHz	5797	836	290.91	\$19.93*
Intel Xeon X5650 @ 2.67GHz	7266	690	91.99	\$79.00*
Intel Xeon X5660 @ 2.80GHz	7535	662	215.37	\$34.99*
Intel Xeon X5667 @ 3.07GHz	6200	792	265.78	\$23.33*
Intel Xeon X5670 @ 2.93GHz	7794	636	234.22	\$33.28
Intel Xeon X5672 @ 3.20GHz	6461	769	143.61	\$44.99*
Intel Xeon X5675 @ 3.07GHz	7965	620	173.62	\$45.88
Intel Xeon X5677 @ 3.47GHz	6755	738	242.49	\$27.86*
Intel Xeon X5679 @ 3.20GHz	8958	512	NA	NA
Intel Xeon X5680 @ 3.33GHz	8358	574	120.63	\$69.29
Intel Xeon X5687 @ 3.60GHz	6960	717	116.01	\$60.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X5690 @ 3.47GHz	8780	529	87.81	\$99.99

<u>Intel Xeon X5698 @ 4.40GHz</u>	4272	1118	NA	NA
<u>Intel Xeon X6550 @ 2.00GHz</u>	2977	1453	NA	NA
<u>Mobile AMD Athlon 4</u>	314	2825	<u>3.62</u>	<u>\$86.99*</u>
<u>Mobile AMD Athlon 4 2400+</u>	358	2780	NA	NA
<u>Mobile AMD Athlon 64 2700+</u>	398	2731	NA	NA
<u>Mobile AMD Athlon 64 2800+</u>	440	2681	NA	NA
<u>Mobile AMD Athlon 64 3000+</u>	450	2671	NA	NA
<u>Mobile AMD Athlon 64 3200+</u>	448	2674	NA	NA
<u>Mobile AMD Athlon 64 3400+</u>	511	2613	NA	NA
<u>Mobile AMD Athlon 64 3700+</u>	435	2692	NA	NA
<u>Mobile AMD Athlon 64 4000+</u>	576	2574	NA	NA
<u>Mobile AMD Athlon 1400+</u>	266	2900	NA	NA
<u>Mobile AMD Athlon 2500+</u>	370	2764	NA	NA
<u>Mobile AMD Athlon MP-M 1800+</u>	265	2901	NA	NA
<u>Mobile AMD Athlon MP-M 2000+</u>	378	2754	NA	NA
<u>Mobile AMD Athlon MP-M 2400+</u>	295	2854	NA	NA
<u>Mobile AMD Athlon MP-M 2800+</u>	496	2625	NA	NA
<u>Mobile AMD Athlon XP</u>	572	2578	<u>45.45</u>	<u>\$12.59</u>
<u>Mobile AMD Athlon XP-M</u>	512	2612	NA	NA
<u>Mobile AMD Athlon XP-M 1400+</u>	184	2982	NA	NA
<u>Mobile AMD Athlon XP-M 1500+</u>	261	2904	NA	NA
<u>Mobile AMD Athlon XP-M 1600+</u>	260	2906	NA	NA
<u>Mobile AMD Athlon XP-M 1700+</u>	323	2813	NA	NA
<u>Mobile AMD Athlon XP-M 1800+</u>	297	2849	NA	NA
<u>Mobile AMD Athlon XP-M 1900+</u>	342	2797	NA	NA
<u>Mobile AMD Athlon XP-M 2000+</u>	300	2843	NA	NA
<u>Mobile AMD Athlon XP-M 2200+</u>	364	2773	NA	NA
<u>Mobile AMD Athlon XP-M 2400+</u>	346	2792	NA	NA
<u>Mobile AMD Athlon XP-M 2500+</u>	346	2789	NA	NA
<u>Mobile AMD Athlon XP-M 2600+</u>	370	2763	NA	NA
<u>Mobile AMD Athlon XP-M 2800+</u>	365	2772	NA	NA
<u>Mobile AMD Athlon XP-M 3000+</u>	365	2771	NA	NA

<u>Mobile AMD Athlon XP-M 3100+</u>	440	2682	NA	NA
<u>Mobile AMD Athlon XP-M 3200+</u>	487	2631	NA	NA
<u>Mobile AMD Athlon XP-M (LV)</u>	508	2616	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 1500+</u>	288	2863	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 1600+</u>	296	2853	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 2000+</u>	335	2801	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 2200+</u>	373	2761	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 2800+</u>	475	2647	NA	NA
<u>Mobile AMD Athlon XP-M (LV) 3200+</u>	505	2619	NA	NA
<u>Mobile AMD Sempron 2100+</u>	252	2915	NA	NA
<u>Mobile AMD Sempron 2600+</u>	394	2737	NA	NA
<u>Mobile AMD Sempron 2800+</u>	364	2774	NA	NA
<u>Mobile AMD Sempron 3000+</u>	389	2748	NA	NA
<u>Mobile AMD Sempron 3100+</u>	416	2705	NA	NA
<u>Mobile AMD Sempron 3200+</u>	354	2784	NA	NA
<u>Mobile AMD Sempron 3300+</u>	446	2678	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>Mobile AMD Sempron 3400+</u>	441	2680	NA	NA
<u>Mobile AMD Sempron 3500+</u>	408	2715	NA	NA
<u>Mobile AMD Sempron 3600+</u>	429	2696	NA	NA
<u>Mobile AMD Sempron 3800+</u>	485	2636	NA	NA
<u>Mobile Intel Celeron 1.20GHz</u>	170	2994	NA	NA
<u>Mobile Intel Celeron 1.50GHz</u>	188	2977	NA	NA
<u>Mobile Intel Celeron 1.60GHz</u>	188	2978	NA	NA
<u>Mobile Intel Celeron 1.70GHz</u>	181	2986	NA	NA
<u>Mobile Intel Celeron 1.80GHz</u>	186	2980	NA	NA
<u>Mobile Intel Celeron 2.00GHz</u>	204	2962	NA	NA
<u>Mobile Intel Celeron 2.20GHz</u>	226	2942	NA	NA
<u>Mobile Intel Celeron 2.40GHz</u>	236	2934	NA	NA
<u>Mobile Intel Celeron 2.50GHz</u>	281	2881	NA	NA
<u>Mobile Intel Celeron 1200MHz</u>	294	2855	NA	NA

<u>Mobile Intel Celeron 1333MHz</u>	280	2883	NA	NA
<u>Mobile Intel Pentium 4 2.30GHz</u>	278	2888	<u>6.38</u>	<u>\$43.56*</u>
<u>Mobile Intel Pentium 4 2.40GHz</u>	264	2903	NA	NA
<u>Mobile Intel Pentium 4 2.66GHz</u>	279	2885	NA	NA
<u>Mobile Intel Pentium 4 2.80GHz</u>	315	2823	NA	NA
<u>Mobile Intel Pentium 4 3.06GHz</u>	337	2799	NA	NA
<u>Mobile Intel Pentium 4 3.20GHz</u>	356	2781	NA	NA
<u>Mobile Intel Pentium 4 3.33GHz</u>	439	2683	NA	NA
<u>Mobile Intel Pentium 4 3.46GHz</u>	478	2644	NA	NA
<u>Mobile Intel Pentium 4 - M 1.60GHz</u>	195	2971	NA	NA
<u>Mobile Intel Pentium 4 - M 1.70GHz</u>	173	2993	<u>1.06</u>	<u>\$164.00</u>
<u>Mobile Intel Pentium 4 - M 1.80GHz</u>	175	2990	NA	NA
<u>Mobile Intel Pentium 4 - M 1.90GHz</u>	232	2937	NA	NA
<u>Mobile Intel Pentium 4 - M 2.00GHz</u>	202	2966	NA	NA
<u>Mobile Intel Pentium 4 - M 2.20GHz</u>	198	2968	NA	NA
<u>Mobile Intel Pentium 4 - M 2.40GHz</u>	213	2952	NA	NA
<u>Mobile Intel Pentium 4 - M 2.50GHz</u>	256	2910	NA	NA
<u>Mobile Intel Pentium 4 - M 2.60GHz</u>	313	2827	NA	NA
<u>Mobile Intel Pentium III - M 866MHz</u>	211	2956	NA	NA
<u>Mobile Intel Pentium III - M 933MHz</u>	200	2967	NA	NA
<u>Mobile Intel Pentium III - M 1000MHz</u>	250	2918	NA	NA
<u>Mobile Intel Pentium III - M 1133MHz</u>	289	2860	NA	NA
<u>Mobile Intel Pentium III - M 1200MHz</u>	224	2943	NA	NA
<u>Mobile Intel Pentium III - M 1333MHz</u>	289	2861	NA	NA
<u>Pentium Dual-Core E6000 @ 3.46GHz</u>	2501	1621	NA	NA
<u>Quad-Core AMD Opteron 1385</u>	3442	1309	<u>63.75</u>	<u>\$54.00*</u>
<u>Quad-Core AMD Opteron 1389</u>	3446	1307	NA	NA
<u>Six-Core AMD Opteron 2419 EE</u>	2925	1473	NA	NA
<u>VIA C3 Ezra</u>	100	3021	NA	NA
<u>VIA C7 1500MHz</u>	284	2872	NA	NA
<u>VIA C7-D 1500MHz</u>	287	2868	NA	NA
<u>VIA C7-D 1800MHz</u>	203	2963	NA	NA

<u>VIA C7-D 2000MHz</u>	368	2767	NA	NA
<u>VIA C7-M 1000MHz</u>	164	2996	NA	NA
<u>VIA C7-M 1200MHz</u>	140	3009	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>VIA C7-M 1600MHz</u>	178	2988	NA	NA
<u>VIA C7-M 6300MHz</u>	222	2945	NA	NA
<u>VIA Eden 800MHz</u>	155	3000	NA	NA
<u>VIA Eden 1000MHz</u>	123	3017	NA	NA
<u>VIA Eden 1200MHz</u>	142	3008	NA	NA
<u>VIA Eden C1050@1.06GHz</u>	352	2787	NA	NA
<u>VIA Eden X2 U4200 @ 1.0+ GHz</u>	499	2622	NA	NA
<u>VIA Eden X4 C4250 @ 1.2+GHz</u>	1262	2202	NA	NA
<u>VIA Esther 1000MHz</u>	146	3007	NA	NA
<u>VIA Esther 1300MHz</u>	250	2917	NA	NA
<u>VIA Esther 1500MHz</u>	195	2972	NA	NA
<u>VIA Esther 2000MHz</u>	394	2736	NA	NA
<u>VIA Nano L1900@1400MHz</u>	457	2664	NA	NA
<u>VIA Nano L2007@1600MHz</u>	369	2765	NA	NA
<u>VIA Nano L2100@1800MHz</u>	428	2698	NA	NA
<u>VIA Nano L2207@1600MHz</u>	296	2852	NA	NA
<u>VIA Nano L3025@1600MHz</u>	517	2609	NA	NA
<u>VIA Nano L3050@1800MHz</u>	581	2571	NA	NA
<u>VIA Nano L3600@2000MHz</u>	645	2538	NA	NA
<u>VIA Nano U2250 (1.6GHz Capable)</u>	415	2706	NA	NA
<u>VIA Nano U2250@1300+MHz</u>	274	2891	NA	NA
<u>VIA Nano U2500@1200MHz</u>	306	2834	NA	NA
<u>VIA Nano U3100 (1.6GHz Capable)</u>	501	2620	NA	NA
<u>VIA Nano U3300@1200MHz</u>	409	2713	NA	NA
<u>VIA Nano U3500@1000MHz</u>	272	2892	NA	NA
<u>VIA Nano X2 U4025 @ 1.2 GHz</u>	605	2556	NA	NA
<u>VIA Nehemiah</u>	155	3001	NA	NA

VIA QuadCore C4650@2.0GHz	1897	1874	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	2139	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2251	NA	NA
VIA Samuel 2	79	3023	NA	NA
ZHAOXIN KaiXian KX-U6780A@2.7GHz	5760	846	NA	NA
ZHAOXIN KaiXian ZX-C+ C4700@2.0GHz	2069	1789	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	350	3.61	\$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	164	100.33	\$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	456	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	462	2.95	\$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	508	NA	NA
[Dual CPU] AMD EPYC 7251	12955	225	14.26	\$908.36
[Dual CPU] AMD EPYC 7261	12430	231	6.15	\$2,019.96
[Dual CPU] AMD EPYC 7281	15152	194	13.99	\$1,083.22
[Dual CPU] AMD EPYC 7302	32495	36	14.31	\$2,271.22
[Dual CPU] AMD EPYC 7371	19370	145	6.25	\$3,100.00*
[Dual CPU] AMD EPYC 7401	23518	89	6.54	\$3,595.58

[Dual CPU] AMD EPYC 7451	28957	53	11.97	\$2,419.96
[Dual CPU] AMD EPYC 7501	28991	52	4.44	\$6,529.16
[Dual CPU] AMD EPYC 7542	46721	3	6.34	\$7,365.98
[Dual CPU] AMD EPYC 7551	31452	40	8.57	\$3,671.88*
[Dual CPU] AMD EPYC 7601	33545	32	4.66	\$7,198.76
[Dual CPU] AMD EPYC 7742	55574	1	3.69	\$15,045.98
[Dual CPU] AMD Opteron 246	1130	497	28.26	\$39.98*
[Dual CPU] AMD Opteron 248	1053	498	5.27	\$199.90
[Dual CPU] AMD Opteron 250	1438	493	65.36	\$22.00*
[Dual CPU] AMD Opteron 252	1418	494	11.19	\$126.72*
[Dual CPU] AMD Opteron 254	816	503	NA	NA
[Dual CPU] AMD Opteron 256	1853	490	48.76	\$38.00*
[Dual CPU] AMD Opteron 265	2010	488	13.77	\$146.00
[Dual CPU] AMD Opteron 270	2226	484	1.83	\$1,214.94*
[Dual CPU] AMD Opteron 275	2133	487	13.00	\$164.10*
[Dual CPU] AMD Opteron 280	2452	479	18.86	\$130.00*
[Dual CPU] AMD Opteron 285	2769	469	17.32	\$159.90
[Dual CPU] AMD Opteron 290	2716	471	10.06	\$270.00*
[Dual CPU] AMD Opteron 850	1410	495	0.47	\$3,028.00*
[Dual CPU] AMD Opteron 885	2851	464	NA	NA
[Dual CPU] AMD Opteron 2212	2203	485	55.08	\$40.00*
[Dual CPU] AMD Opteron 2214	2344	480	40.41	\$58.00*
[Dual CPU] AMD Opteron 2214 HE	2463	478	NA	NA
[Dual CPU] AMD Opteron 2216	2485	477	46.36	\$53.60
[Dual CPU] AMD Opteron 2216 HE	2593	473	NA	NA
[Dual CPU] AMD Opteron 2218	2732	470	17.09	\$159.90
[Dual CPU] AMD Opteron 2218 HE	2514	474	NA	NA
[Dual CPU] AMD Opteron 2220	2839	465	17.75	\$159.90
[Dual CPU] AMD Opteron 2220 SE	2882	463	57.64	\$50.00*
[Dual CPU] AMD Opteron 2222	2998	460	0.90	\$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	454	45.30	\$71.90*
[Dual CPU] AMD Opteron 2346 HE	4095	444	NA	NA

[Dual CPU] AMD Opteron 2347 HE	3470	451	7.36	\$471.66*
[Dual CPU] AMD Opteron 2350	4078	445	25.50	\$159.90*
[Dual CPU] AMD Opteron 2354	4554	433	6.86	\$664.06*
[Dual CPU] AMD Opteron 2356	4441	436	42.70	\$104.00*
[Dual CPU] AMD Opteron 2360 SE	5315	414	73.82	\$72.00
[Dual CPU] AMD Opteron 2373 EE	4164	441	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	429	36.92	\$130.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 2376	5238	416	15.70	\$333.62*
[Dual CPU] AMD Opteron 2378	5318	413	14.85	\$358.00*
[Dual CPU] AMD Opteron 2380	5261	415	58.46	\$90.00
[Dual CPU] AMD Opteron 2384	5449	408	3.24	\$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	387	NA	NA
[Dual CPU] AMD Opteron 2389	5677	401	48.11	\$118.00*
[Dual CPU] AMD Opteron 2419	5191	418	216.47	\$23.98*
[Dual CPU] AMD Opteron 2425 HE	6209	388	NA	NA
[Dual CPU] AMD Opteron 2427	5907	398	45.44	\$130.00
[Dual CPU] AMD Opteron 2431	6438	380	80.48	\$80.00*
[Dual CPU] AMD Opteron 2435	7053	366	54.25	\$130.00
[Dual CPU] AMD Opteron 2439 SE	8071	334	44.84	\$179.98*
[Dual CPU] AMD Opteron 4122	4076	446	16.31	\$249.98*
[Dual CPU] AMD Opteron 4130	5651	403	24.58	\$229.90*
[Dual CPU] AMD Opteron 4170 HE	6344	383	53.76	\$118.00*
[Dual CPU] AMD Opteron 4180	6367	382	7.77	\$819.90*
[Dual CPU] AMD Opteron 4184	7813	340	7.51	\$1,039.90*
[Dual CPU] AMD Opteron 4226	8088	333	80.90	\$99.98*
[Dual CPU] AMD Opteron 4228 HE	7986	336	NA	NA
[Dual CPU] AMD Opteron 4234	8953	309	19.46	\$459.98*
[Dual CPU] AMD Opteron 4274 HE	6797	372	84.98	\$79.98*
[Dual CPU] AMD Opteron 4276 HE	9681	292	NA	NA
[Dual CPU] AMD Opteron 4280	4525	434	45.25	\$100.00*

[Dual CPU] AMD Opteron 4284	9151	302	76.27	\$119.98*
[Dual CPU] AMD Opteron 4334	9462	299	21.86	\$432.84*
[Dual CPU] AMD Opteron 4340	10419	272	21.71	\$479.98*
[Dual CPU] AMD Opteron 4376 HE	10244	279	8.15	\$1,257.44*
[Dual CPU] AMD Opteron 4386	11410	252	40.75	\$279.98*
[Dual CPU] AMD Opteron 6128	6762	373	178.04	\$37.98
[Dual CPU] AMD Opteron 6128 HE	5582	406	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	318	NA	NA
[Dual CPU] AMD Opteron 6134	7586	352	86.22	\$87.98*
[Dual CPU] AMD Opteron 6136	7255	360	32.98	\$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	421	NA	NA
[Dual CPU] AMD Opteron 6168	7741	346	6.67	\$1,159.90
[Dual CPU] AMD Opteron 6172	7621	351	19.24	\$396.00*
[Dual CPU] AMD Opteron 6174	7783	342	59.87	\$130.00
[Dual CPU] AMD Opteron 6176 SE	8448	324	26.57	\$318.00*
[Dual CPU] AMD Opteron 6180 SE	3114	457	16.40	\$189.90
[Dual CPU] AMD Opteron 6204	7134	362	50.96	\$139.98*
[Dual CPU] AMD Opteron 6212	8927	313	148.83	\$59.98*
[Dual CPU] AMD Opteron 6220	10558	267	88.00	\$119.98*
[Dual CPU] AMD Opteron 6234	10079	285	168.26	\$59.90*
[Dual CPU] AMD Opteron 6238	10349	274	14.38	\$719.78*
[Dual CPU] AMD Opteron 6272	9818	289	70.14	\$139.98
[Dual CPU] AMD Opteron 6274	10536	268	117.09	\$89.98
[Dual CPU] AMD Opteron 6275	10900	264	NA	NA
[Dual CPU] AMD Opteron 6276	10101	284	29.88	\$338.00
[Dual CPU] AMD Opteron 6284 SE	11985	245	17.12	\$699.98*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 6308	8349	326	13.47	\$619.96
[Dual CPU] AMD Opteron 6320	10716	266	20.88	\$513.18
[Dual CPU] AMD Opteron 6328	12013	244	16.73	\$718.00
[Dual CPU] AMD Opteron 6344	11203	257	14.40	\$778.00*

[Dual CPU] AMD Opteron 6348	11412	251	18.64	\$612.20
[Dual CPU] AMD Opteron 6366 HE	12147	238	202.52	\$59.98*
[Dual CPU] AMD Opteron 6376	10452	271	80.40	\$130.00
[Dual CPU] AMD Opteron 6378	9145	303	24.07	\$380.00
[Dual CPU] AMD Opteron 6380	14200	203	120.34	\$118.00
[Dual CPU] AMD Opteron 6386 SE	12195	237	42.05	\$289.98
[Dual CPU] AMD Opteron 8218	2831	466	61.54	\$46.00*
[Dual CPU] AMD Opteron 8220	2510	476	15.70	\$159.90
[Dual CPU] AMD Opteron 8222 SE	2793	468	0.45	\$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	455	64.46	\$50.00
[Dual CPU] AMD Opteron 8380	5643	404	13.70	\$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	417	NA	NA
[Dual CPU] AMD Opteron 8389	6517	378	41.25	\$158.00*
[Dual CPU] AMD Opteron 8431	5813	399	207.76	\$27.98*
[Dual CPU] AMD Opteron 8435	6739	374	46.80	\$144.00*
[Dual CPU] AMD Opteron 8439 SE	7691	349	64.09	\$120.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	496	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	482	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	450	NA	NA
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	339	2.19	\$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	517	NA	NA
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	515	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	539	512	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	540	511	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	518	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	519	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	516	NA	NA
[Dual CPU] Intel Xeon 2.40GHz	473	514	25.99	\$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	509	NA	NA

[Dual CPU] Intel Xeon 2.80GHz	679	505	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	771	504	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	507	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	502	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	885	501	NA	NA
[Dual CPU] Intel Xeon 3.60GHz	927	500	0.54	\$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1854	489	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	499	0.58	\$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2137	486	30.53	\$70.00*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2315	481	0.71	\$3,239.98
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2620	472	26.74	\$97.98*
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	458	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2975	461	59.52	\$49.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	459	114.20	\$26.26*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3408	452	12.18	\$279.90*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3823	448	38.24	\$99.98*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8938	311	19.47	\$459.16
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11007	262	16.68	\$659.98
[Dual CPU] Intel Xeon Bronze 3204 @ 1.90GHz	10503	269	19.31	\$544.04*
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	389	64.96	\$95.50*
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	386	141.98	\$44.40*
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	358	43.00	\$169.84*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	306	12.53	\$719.90*
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11299	254	291.06	\$38.82*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11910	246	217.89	\$54.66*
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	329	NA	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	13220	223	21.67	\$609.98

[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13986	205	85.29	\$163.98
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	10818	265	167.57	\$64.56*
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	13554	216	NA	NA
[Dual CPU] Intel Xeon E5-2440 @ 2.40GHz	12419	232	155.28	\$79.98*
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	226	191.74	\$67.04*
[Dual CPU] Intel Xeon E5-2448L @ 1.80GHz	11334	253	NA	NA
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	14051	204	100.38	\$139.98*
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	16397	179	58.77	\$279.02
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11807	247	147.59	\$80.00
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	13442	217	52.51	\$256.00*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	154	29.86	\$621.98
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	384	66.25	\$95.70*
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	377	54.34	\$119.98*
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8369	325	60.64	\$138.00*
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8932	312	17.18	\$520.00*
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8158	332	145.73	\$55.98
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	9026	305	145.63	\$61.98*
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10052	286	47.40	\$212.06*
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	11010	261	15.30	\$719.46*
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12204	236	70.94	\$172.04
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13183	224	169.01	\$78.00
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15256	192	155.74	\$97.96
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16439	176	21.13	\$778.00
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14339	202	59.25	\$242.00
[Dual CPU] Intel Xeon E5-2623 v4 @	12506	230	11.39	\$1,098.00*

<u>2.60GHz</u>				
[Dual CPU] <u>Intel Xeon E5-2628L v2 @ 1.90GHz</u>	14589	199	NA	NA
[Dual CPU] <u>Intel Xeon E5-2630 @ 2.30GHz</u>	13418	219	<u>167.98</u>	<u>\$79.88*</u>
[Dual CPU] <u>Intel Xeon E5-2630 v2 @ 2.60GHz</u>	15934	183	<u>236.90</u>	<u>\$67.26</u>
[Dual CPU] <u>Intel Xeon E5-2630 v3 @ 2.40GHz</u>	18446	158	<u>92.23</u>	<u>\$200.00</u>
[Dual CPU] <u>Intel Xeon E5-2630 v4 @ 2.20GHz</u>	18745	152	<u>15.42</u>	<u>\$1,216.00</u>
[Dual CPU] <u>Intel Xeon E5-2630L @ 2.00GHz</u>	11172	258	NA	NA
[Dual CPU] <u>Intel Xeon E5-2630L v2 @ 2.40GHz</u>	13706	210	<u>184.57</u>	<u>\$74.26*</u>
[Dual CPU] <u>Intel Xeon E5-2630L v3 @ 1.80GHz</u>	15183	193	<u>15.82</u>	<u>\$959.80*</u>
[Dual CPU] <u>Intel Xeon E5-2637 @ 3.00GHz</u>	7706	348	<u>4.35</u>	<u>\$1,770.00*</u>
[Dual CPU] <u>Intel Xeon E5-2637 v2 @ 3.50GHz</u>	15888	185	<u>113.50</u>	<u>\$139.98*</u>
[Dual CPU] <u>Intel Xeon E5-2637 v3 @ 3.50GHz</u>	16421	177	<u>65.69</u>	<u>\$249.96</u>
[Dual CPU] <u>Intel Xeon E5-2637 v4 @ 3.50GHz</u>	16603	175	<u>7.73</u>	<u>\$2,146.74</u>
[Dual CPU] <u>Intel Xeon E5-2640 @ 2.50GHz</u>	14649	198	<u>183.16</u>	<u>\$79.98</u>
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] <u>Intel Xeon E5-2640 v2 @ 2.00GHz</u>	14553	200	<u>182.96</u>	<u>\$79.54*</u>
[Dual CPU] <u>Intel Xeon E5-2640 v3 @ 2.60GHz</u>	19518	142	<u>72.29</u>	<u>\$270.00</u>
[Dual CPU] <u>Intel Xeon E5-2640 v4 @ 2.40GHz</u>	20118	133	<u>10.93</u>	<u>\$1,840.54*</u>
[Dual CPU] <u>Intel Xeon E5-2643 @ 3.30GHz</u>	13658	211	<u>3.28</u>	<u>\$4,166.00</u>
[Dual CPU] <u>Intel Xeon E5-2643 v2 @ 3.50GHz</u>	20735	127	<u>82.03</u>	<u>\$252.78</u>
[Dual CPU] <u>Intel Xeon E5-2643 v3 @ 3.40GHz</u>	21010	119	<u>42.02</u>	<u>\$500.00*</u>
[Dual CPU] <u>Intel Xeon E5-2643 v4 @ 3.40GHz</u>	21533	113	<u>5.97</u>	<u>\$3,603.92*</u>
[Dual CPU] <u>Intel Xeon E5-2648L @ 1.80GHz</u>	12399	234	NA	NA
[Dual CPU] <u>Intel Xeon E5-2648L v2 @ 1.90GHz</u>	13801	207	<u>4.67</u>	<u>\$2,958.00*</u>

[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	160	5.79	\$3,121.72*
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	15028	195	172.74	\$87.00
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	18799	151	50.70	\$370.82
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20116	134	87.46	\$230.00
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20809	125	10.31	\$2,018.00*
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	13621	214	90.81	\$150.00
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	13788	208	94.37	\$146.10
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	121	19.37	\$1,079.98
[Dual CPU] Intel Xeon E5-2652 v3 @ 2.30GHz	19588	140	8.36	\$2,342.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13855	206	4.74	\$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	150	52.29	\$359.98*
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	144	NA	NA
[Dual CPU] Intel Xeon E5-2658A v3 @ 2.20GHz	17786	163	4.85	\$3,664.00*
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16404	178	85.14	\$192.66*
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17911	161	42.07	\$425.78*
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22413	105	60.25	\$372.00
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23105	96	8.09	\$2,856.58
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23137	95	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	16943	170	82.75	\$204.74*
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	80	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	16390	180	128.07	\$127.98
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22741	99	59.85	\$379.98
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	22626	101	36.61	\$618.00
[Dual CPU] Intel Xeon E5-2667 v4 @	22525	103	4.58	\$4,919.90

<u>3.20GHz</u>				
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18146	159	68.57	\$264.62
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20642	129	42.47	\$486.00
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22379	107	27.45	\$815.22
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	92	NA	NA
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	21751	112	15.54	\$1,400.00*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	26537	70	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19762	137	NA	NA
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	20856	124	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	46	5.54	\$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18556	157	117.44	\$158.00
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21527	114	61.88	\$347.86
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24195	86	63.67	\$379.98
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	22761	98	7.54	\$3,018.00*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	171	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21194	118	23.04	\$920.00
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	79	5.66	\$4,417.86*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	109	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26907	67	NA	NA
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	28784	56	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20768	126	18.22	\$1,139.90
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23341	93	34.84	\$670.00*

[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24293	85	19.95	\$1,217.98*
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26628	68	6.12	\$4,349.98*
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	18680	153	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	25703	75	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19619	139	126.01	\$155.70
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23510	91	54.44	\$431.86
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25676	76	57.06	\$450.00
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27442	64	6.32	\$4,339.98*
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	20861	122	40.27	\$517.98
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24727	81	25.28	\$978.00
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24651	84	2.12	\$11,616.00*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23518	90	NA	NA
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30334	45	6.07	\$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31774	39	5.28	\$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23150	94	41.79	\$553.98
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27383	65	22.45	\$1,219.98
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30440	44	5.44	\$5,597.90
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	29426	50	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	28325	60	19.16	\$1,478.00
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.10GHz	30833	43	4.78	\$6,452.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	37	4.44	\$7,259.18*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	87	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @	26542	69	10.98	\$2,417.98

<u>2.30GHz</u>				
[Dual CPU] Intel Xeon E5-2699 v4 @ <u>2.20GHz</u>	34013	29	4.26	\$7,978.00
[Dual CPU] Intel Xeon E5-2699C v4 @ <u>2.20GHz</u>	20653	128	NA	NA
[Dual CPU] Intel Xeon E5-4617 @ <u>2.90GHz</u>	15383	189	85.56	\$179.80*
[Dual CPU] Intel Xeon E5-4620 v3 @ <u>2.00GHz</u>	16684	174	5.00	\$3,336.00*
[Dual CPU] Intel Xeon E5-4627 v2 @ <u>3.30GHz</u>	19491	143	19.15	\$1,017.90*
[Dual CPU] Intel Xeon E5-4640 @ <u>2.40GHz</u>	15897	184	2.91	\$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ <u>2.20GHz</u>	19209	147	35.31	\$544.08*
[Dual CPU] Intel Xeon E5-4640 v3 @ <u>1.90GHz</u>	20468	130	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ <u>2.10GHz</u>	19583	141	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ <u>2.70GHz</u>	18565	155	132.63	\$139.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ <u>2.10GHz</u>	14876	196	1.94	\$7,676.00*
[Dual CPU] Intel Xeon E5-4650 v4 @ <u>2.20GHz</u>	21855	111	2.85	\$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ <u>2.60GHz</u>	13742	209	92.88	\$147.96*
[Dual CPU] Intel Xeon E5-4660 v3 @ <u>2.10GHz</u>	22461	104	2.34	\$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ <u>2.10GHz</u>	27457	63	2.54	\$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ <u>2.00GHz</u>	12145	239	44.98	\$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ <u>1.90GHz</u>	15686	186	NA	NA
[Dual CPU] Intel Xeon E7-4830 @ <u>2.13GHz</u>	9539	298	147.66	\$64.60*
[Dual CPU] Intel Xeon E7-4890 v2 @ <u>2.80GHz</u>	22412	106	1.81	\$12,400.00*
[Dual CPU] Intel Xeon E7-8860 @ <u>2.27GHz</u>	9298	300	1.14	\$8,122.00*
[Dual CPU] Intel Xeon E7- 2870 @ <u>2.40GHz</u>	12016	243	1.42	\$8,454.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E7- 4870 @ <u>2.40GHz</u>	15263	191	40.38	\$378.00*
[Dual CPU] Intel Xeon E7- 8837 @ <u>2.67GHz</u>	10965	263	27.41	\$399.98*

[Dual CPU] Intel Xeon E7- 8870 @ 2.40GHz	10207	282	1.02	\$10,017.02*
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	483	79.85	\$28.54*
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	447	22.74	\$177.56*
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3554	449	36.27	\$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4155	442	53.61	\$77.50*
[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	424	NA	NA
[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4559	432	128.28	\$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5119	420	64.00	\$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5126	419	64.16	\$79.90*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6007	395	14.37	\$417.90*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6330	385	50.28	\$125.90*
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6824	371	22.02	\$309.90*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7117	363	35.94	\$198.00*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7497	355	12.54	\$597.88*
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7083	365	129.73	\$54.60*
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7774	343	129.39	\$60.08*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2511	475	13.22	\$190.00*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2805	467	4.89	\$574.02*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4854	428	34.70	\$139.90*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	4992	423	39.61	\$126.02*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5414	410	5.92	\$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7286	359	75.10	\$97.02*
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7565	353	290.96	\$26.00*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7709	347	65.33	\$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	443	16.04	\$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5505	407	16.48	\$334.00*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5916	397	42.74	\$138.42*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	7974	337	67.59	\$117.98*
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8329	327	118.99	\$70.00*
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8624	320	63.79	\$135.20*
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10216	281	62.82	\$162.62*
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10250	278	49.25	\$208.14*

[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	409	87.81	\$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	412	29.87	\$179.98*
[Dual CPU] Intel Xeon E7540 @ 2.00GHz	6738	375	210.96	\$31.94*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	22011	110	9.92	\$2,218.00*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	21437	115	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	117	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22810	97	10.38	\$2,198.00*
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25109	78	8.04	\$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17463	166	7.03	\$2,485.36
[Dual CPU] Intel Xeon Gold 5215 @ 2.50GHz	22537	102	9.23	\$2,442.00*
[Dual CPU] Intel Xeon Gold 5217 @ 3.00GHz	22282	108	7.32	\$3,044.00*
[Dual CPU] Intel Xeon Gold 5218 @ 2.30GHz	17384	168	6.68	\$2,604.06
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27355	66	10.14	\$2,698.00*
[Dual CPU] Intel Xeon Gold 5220 @ 2.20GHz	28658	57	8.10	\$3,539.90*
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz	19154	148	7.21	\$2,657.06*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	28610	58	7.57	\$3,779.94*
[Dual CPU] Intel Xeon Gold 6126T @ 2.60GHz	20391	131	5.47	\$3,730.00*
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22725	100	6.61	\$3,439.98
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	26366	71	6.87	\$3,836.62
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	62	6.26	\$4,399.80*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	24666	83	5.34	\$4,618.00
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29725	48	5.60	\$5,309.64*
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	61	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	34320	28	6.40	\$5,359.98
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32761	35	5.72	\$5,727.50
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	54	4.70	\$6,139.98
[Dual CPU] Intel Xeon Gold 6143 @ 2.80GHz	29907	47	NA	NA
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28802	55	4.69	\$6,140.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29655	49	3.22	\$9,217.90*

[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36731	21	5.71	\$6,435.98
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	32941	34	5.01	\$6,569.90*
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33142	33	4.36	\$7,599.98
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	37168	19	5.00	\$7,437.90*
[Dual CPU] Intel Xeon Gold 6234 @ 3.30GHz	25519	77	5.00	\$5,104.72*
[Dual CPU] Intel Xeon Gold 6240 @ 2.60GHz	36644	22	7.11	\$5,155.98
[Dual CPU] Intel Xeon Gold 6242 @ 2.80GHz	33730	31	6.35	\$5,308.78
[Dual CPU] Intel Xeon Gold 6244 @ 3.60GHz	31282	41	4.93	\$6,340.00
[Dual CPU] Intel Xeon Gold 6246 @ 3.30GHz	33741	30	4.67	\$7,218.00*
[Dual CPU] Intel Xeon Gold 6248 @ 2.50GHz	38755	13	6.19	\$6,257.44
[Dual CPU] Intel Xeon Gold 6252 @ 2.10GHz	37405	17	4.18	\$8,954.10
[Dual CPU] Intel Xeon Gold 6254 @ 3.10GHz	40931	10	5.62	\$7,279.90
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	435	71.16	\$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	439	30.62	\$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	426	130.15	\$37.58*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	405	NA	NA
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	391	30.58	\$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6437	381	117.04	\$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	394	19.22	\$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	425	11.00	\$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	369	NA	NA
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6961	368	38.69	\$179.90*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7553	354	196.08	\$38.52*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	6973	367	166.10	\$41.98*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8693	316	62.18	\$139.80*
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9607	294	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9637	293	57.80	\$166.72*
[Dual CPU] Intel Xeon MP 2.50GHz	550	510	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	538	513	4.56	\$118.00*
[Dual CPU] Intel Xeon MP 3.00GHz	624	506	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	491	NA	NA
[Dual CPU] Intel Xeon Platinum 8124M @	36271	24	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
<u>3.00GHz</u>				
[Dual CPU] <u>Intel Xeon Platinum 8153 @ 2.00GHz</u>	19091	149	3.06	\$6,230.00*
[Dual CPU] <u>Intel Xeon Platinum 8160 @ 2.10GHz</u>	38364	14	4.27	\$8,978.00*
[Dual CPU] <u>Intel Xeon Platinum 8160M @ 2.10GHz</u>	37838	16	2.46	\$15,408.00*
[Dual CPU] <u>Intel Xeon Platinum 8160T @ 2.10GHz</u>	29251	51	2.96	\$9,872.00*
[Dual CPU] <u>Intel Xeon Platinum 8168 @ 2.70GHz</u>	39589	12	3.36	\$11,780.00*
[Dual CPU] <u>Intel Xeon Platinum 8173M @ 2.00GHz</u>	36410	23	NA	NA
[Dual CPU] <u>Intel Xeon Platinum 8175M @ 2.50GHz</u>	36068	25	NA	NA
[Dual CPU] <u>Intel Xeon Platinum 8180 @ 2.50GHz</u>	37312	18	1.86	\$20,030.00*
[Dual CPU] <u>Intel Xeon Platinum 8260 @ 2.40GHz</u>	38202	15	4.14	\$9,220.00*
[Dual CPU] <u>Intel Xeon Platinum 8268 @ 2.90GHz</u>	41119	9	3.42	\$12,011.96*
[Dual CPU] <u>Intel Xeon Platinum 8275CL @ 3.00GHz</u>	43870	6	NA	NA
[Dual CPU] <u>Intel Xeon Platinum 8280 @ 2.70GHz</u>	43943	5	2.20	\$20,018.00*
[Dual CPU] <u>Intel Xeon Silver 4108 @ 1.80GHz</u>	15972	182	18.15	\$879.98
[Dual CPU] <u>Intel Xeon Silver 4110 @ 2.10GHz</u>	16855	173	20.26	\$832.00
[Dual CPU] <u>Intel Xeon Silver 4112 @ 2.60GHz</u>	13327	221	12.84	\$1,037.98
[Dual CPU] <u>Intel Xeon Silver 4114 @ 2.20GHz</u>	19362	146	14.16	\$1,366.98
[Dual CPU] <u>Intel Xeon Silver 4116 @ 2.10GHz</u>	21435	116	10.27	\$2,086.94
[Dual CPU] <u>Intel Xeon Silver 4208 @ 2.10GHz</u>	17904	162	10.66	\$1,679.90
[Dual CPU] <u>Intel Xeon Silver 4209T @ 2.20GHz</u>	20002	136	19.96	\$1,002.00*
[Dual CPU] <u>Intel Xeon Silver 4210 @ 2.20GHz</u>	20974	120	9.53	\$2,199.90

[Dual CPU] Intel Xeon Silver 4214 @ 2.20GHz	23700	88	14.74	\$1,607.94
[Dual CPU] Intel Xeon Silver 4216 @ 2.10GHz	26171	73	12.27	\$2,132.74
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10019	287	72.61	\$137.98*
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10243	280	61.71	\$165.98
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	276	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	430	44.05	\$108.00*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	431	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	427	17.46	\$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5725	400	9.24	\$619.90*
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6194	390	39.71	\$155.98*
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7436	356	62.01	\$119.92*
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7793	341	39.05	\$199.56*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8051	335	21.30	\$378.00*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7769	344	17.26	\$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8160	331	40.80	\$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8672	317	3.12	\$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8750	314	14.35	\$609.70*
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	8993	307	132.29	\$67.98*
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9269	301	19.31	\$479.90*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9563	296	239.91	\$39.86*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11230	256	71.08	\$158.00*
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11637	249	166.29	\$69.98*
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10265	277	220.00	\$46.66*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12070	240	181.34	\$66.56
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10321	275	114.70	\$89.98*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12415	233	135.30	\$91.76
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11147	259	200.05	\$55.72*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13428	218	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13344	220	96.29	\$138.58
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11731	248	97.76	\$120.00*
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13626	213	68.14	\$199.98

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	323	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	376	91.61	\$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	315	6.15	\$1,417.90*
[Dual CPU] Intel Xeon X7542 @ 2.67GHz	8972	308	13.22	\$678.48*
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	288	18.07	\$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11230	255	255.23	\$44.00*
[Dual CPU] Quad-Core AMD Opteron 2352	4171	440	46.34	\$90.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	422	11.46	\$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	438	9.75	\$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	437	33.66	\$130.00
[Dual CPU] Quad-Core AMD Opteron 8378	5382	411	30.51	\$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	370	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	402	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	396	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	328	NA	NA
[Quad CPU] AMD Opteron 6136	9767	290	22.20	\$440.00*
[Quad CPU] AMD Opteron 6174	8594	321	33.05	\$260.00
[Quad CPU] AMD Opteron 6272	12292	235	43.91	\$279.96
[Quad CPU] AMD Opteron 6274	10488	270	58.28	\$179.96
[Quad CPU] AMD Opteron 6276	15342	190	22.70	\$676.00
[Quad CPU] AMD Opteron 6278	12055	241	24.31	\$495.80
[Quad CPU] AMD Opteron 6282 SE	11044	260	4.31	\$2,560.00
[Quad CPU] AMD Opteron 6376	13257	222	50.99	\$260.00
[Quad CPU] AMD Opteron 6378	20859	123	27.45	\$760.00
[Quad CPU] AMD Opteron 6380	12553	229	53.19	\$236.00
[Quad CPU] AMD Opteron 8360 SE	6490	379	77.26	\$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	392	NA	NA
[Quad CPU] AMD Opteron 8382	8553	322	10.74	\$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	357	NA	NA

[Quad CPU] AMD Opteron 8431	8252	330	147.46	\$55.96*
[Quad CPU] AMD Opteron 8435	7099	364	24.65	\$288.00*
[Quad CPU] AMD Opteron 8439 SE	8943	310	37.26	\$240.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	492	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	453	NA	NA
[Quad CPU] Intel Xeon E5-4603 v2 @ 2.20GHz	14395	201	6.53	\$2,204.00*
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	172	46.92	\$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	14669	197	27.32	\$536.84*
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	13628	212	42.59	\$319.96*
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	82	12.12	\$2,035.80*
[Quad CPU] Intel Xeon E5-4640 @ 2.40GHz	19643	138	1.80	\$10,920.00*
[Quad CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	20036	135	18.41	\$1,088.16*
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	17127	169	61.18	\$279.96*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26203	72	12.87	\$2,035.80*
[Quad CPU] Intel Xeon E5-4650L @ 2.60GHz	18557	156	62.71	\$295.92*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	42	2.14	\$14,436.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	132	3.36	\$6,008.00*
[Quad CPU] Intel Xeon E7-4830 @ 2.13GHz	13606	215	105.31	\$129.20*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	181	NA	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34471	27	1.39	\$24,800.00*
[Quad CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	28569	59	59.70	\$478.56
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	38	NA	NA
[Quad CPU] Intel Xeon E7-8895 v2 @ 2.80GHz	36830	20	NA	NA
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	15433	188	96.48	\$159.96*
	17398	167		

[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz			131.84	\$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	15512	187	20.52	\$756.00*
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	228	15.87	\$799.96*
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	17607	165	0.88	\$20,034.04*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	6081	393	17.89	\$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	345	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	283	28.32	\$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	295	9.99	\$958.52*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	304	14.31	\$631.80*
[Quad CPU] Intel Xeon E7540 @ 2.00GHz	7945	338	124.37	\$63.88*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	74	5.26	\$4,970.72
[Quad CPU] Intel Xeon Gold 6140 @ 2.30GHz	43682	7	3.81	\$11,455.00
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	26	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	11	2.68	\$15,199.96
[Quad CPU] Intel Xeon Gold 6248 @ 2.50GHz	41863	8	3.35	\$12,514.88
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	291	NA	NA
[Quad CPU] Intel Xeon L7555 @ 1.87GHz	10406	273	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	297	66.28	\$143.96*
[Quad CPU] Intel Xeon X7460 @ 2.66GHz	12029	242	4.24	\$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	319	6.36	\$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	250	10.45	\$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	12824	227	145.73	\$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	361	27.58	\$260.00

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