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# CPU Benchmarks

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## CPU List

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

### Single CPU Systems

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
686 Gen	288	2710	NA	NA
AMD A4 Micro-6400T APU	1544	1902	NA	NA
AMD A4 PRO-3340B	2402	1508	NA	NA
AMD A4 PRO-7300B APU	2335	1530	NA	NA
AMD A4 PRO-7350B	2227	1584	NA	NA
AMD A4-1200 APU	632	2390	NA	NA
AMD A4-1250 APU	619	2397	NA	NA
AMD A4-3300 APU	1499	1927	115.46	\$12.99
AMD A4-3300M APU	1185	2090	39.52	\$29.99*
AMD A4-3305M APU	1223	2068	39.70	\$30.81
AMD A4-3310MX APU	1287	2030	NA	NA
AMD A4-3320M APU	1253	2052	34.93	\$35.90
AMD A4-3330MX APU	1212	2073	NA	NA
AMD A4-3400 APU	1592	1888	18.11	\$87.95
AMD A4-3420 APU	1670	1840	NA	NA
AMD A4-4000 APU	1829	1761	14.27	\$128.27*
AMD A4-4020 APU	1921	1708	20.89	\$92.00
AMD A4-4300M APU	1612	1876	40.44	\$39.86
AMD A4-4355M APU	1175	2093	NA	NA
AMD A4-5000 APU	1914	1714	NA	NA
AMD A4-5050 APU	2113	1627	NA	NA
AMD A4-5100 APU	2037	1656	NA	NA
AMD A4-5150M APU	1856	1745	NA	NA
AMD A4-5300 APU	2011	1668	14.85	\$135.46
AMD A4-5300B APU	2142	1611	56.38	\$38.00*
AMD A4-6210 APU	2167	1602	NA	NA
AMD A4-6250J APU	2556	1451	NA	NA
AMD A4-6300 APU	2220	1586	37.01	\$59.99*
AMD A4-6300B APU	2129	1618	21.30	\$100.00*
AMD A4-6320 APU	2329	1532	33.29	\$69.99*
AMD A4-7210 APU	2519	1466	NA	NA
AMD A4-7300 APU	2306	1543	19.38	\$119.00
AMD A4-9120	1944	1697	NA	NA
AMD A4-9125	1978	1683	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A6 Micro-6500T APU	1834	1758	NA	NA
AMD A6 PRO-7050B APU	1616	1874	NA	NA
AMD A6 PRO-7400B	2608	1430	NA	NA
AMD A6-1450 APU	1532	1908	NA	NA
AMD A6-3400M APU	1883	1733	62.86	\$29.97*
AMD A6-3410MX APU	2057	1652	515.55	\$3.99*
AMD A6-3420M APU	1999	1671	NA	NA
AMD A6-3430MX APU	2200	1593	NA	NA
AMD A6-3500 APU	2012	1667	50.32	\$39.99*
AMD A6-3600 APU	2701	1405	117.50	\$22.99*
AMD A6-3620 APU	2797	1373	46.64	\$59.99*
AMD A6-3650 APU	3148	1257	98.41	\$31.99*
AMD A6-3670 APU	3169	1245	5.20	\$610.00*
AMD A6-4400M APU	1640	1858	205.36	\$7.99*
AMD A6-4455M APU	1286	2031	NA	NA
AMD A6-5200 APU	2432	1496	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A6-5345M APU	1476	1936	NA	NA
AMD A6-5350M APU	1902	1718	44.13	\$43.12
AMD A6-5357M APU	1941	1699	NA	NA
AMD A6-5400B APU	2238	1579	21.31	\$105.04*
AMD A6-5400K APU	2157	1607	21.79	\$99.00
AMD A6-6310 APU	2454	1490	NA	NA
AMD A6-6400B APU	2281	1557	NA	NA
AMD A6-6400K APU	2308	1541	32.98	\$69.99
AMD A6-6420B APU	2612	1428	NA	NA
AMD A6-6420K APU	2388	1514	15.92	\$149.99*
AMD A6-7000	1667	1844	NA	NA
AMD A6-7310 APU	2666	1415	NA	NA
AMD A6-7400K APU	2781	1378	49.09	\$56.67
AMD A6-7470K	2727	1399	11.22	\$243.00
AMD A6-7480	3168	1246	72.04	\$43.99
AMD A6-8500P	2202	1592	NA	NA
AMD A6-8550	3032	1292	NA	NA
AMD A6-9200	1738	1797	NA	NA
AMD A6-9210	1728	1801	NA	NA
AMD A6-9220	2160	1605	NA	NA
AMD A6-9220C	2147	1610	NA	NA
AMD A6-9220e	1639	1859	NA	NA
AMD A6-9225	2147	1609	NA	NA
AMD A6-9230	2102	1632	NA	NA
AMD A6-9500	3047	1290	65.38	\$46.61
AMD A6-9500E	2889	1348	40.20	\$71.87
AMD A8 PRO-7150B APU	2650	1418	NA	NA
AMD A8 PRO-7600B APU	4728	886	NA	NA
AMD A8-3500M APU	1972	1684	28.19	\$69.95
AMD A8-3510MX APU	2379	1517	NA	NA
AMD A8-3520M APU	2171	1600	NA	NA
AMD A8-3530MX APU	2365	1525	NA	NA
AMD A8-3550MX APU	2610	1429	NA	NA
AMD A8-3800 APU	3014	1296	52.89	\$56.99*
AMD A8-3820 APU	3104	1267	24.84	\$124.99*
AMD A8-3850 APU	3462	1162	32.76	\$105.68*
AMD A8-3870K APU	3539	1141	70.81	\$49.99*
AMD A8-4500M APU	2666	1416	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-4555M APU	2121	1622	NA	NA
AMD A8-5500 APU	3995	1029	70.72	\$56.50*
AMD A8-5500B APU	3993	1031	NA	NA
AMD A8-5545M APU	2587	1439	NA	NA
AMD A8-5550M APU	3006	1300	NA	NA
AMD A8-5557M APU	2965	1315	NA	NA
AMD A8-5600K APU	4341	966	18.93	\$229.30
AMD A8-6410 APU	2571	1447	NA	NA
AMD A8-6500 APU	4396	954	46.29	\$94.99*
AMD A8-6500B APU	4612	908	NA	NA
AMD A8-6500T APU	3221	1227	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-6600K APU	4588	915	47.31	\$96.99*
AMD A8-7050	1986	1678	NA	NA
AMD A8-7100 APU	2807	1371	NA	NA
AMD A8-7200P	3319	1198	NA	NA
AMD A8-7410 APU	2741	1394	NA	NA
AMD A8-7600 APU	5066	817	63.34	\$79.99*
AMD A8-7650K	4924	853	19.39	\$254.00
AMD A8-7670K	5090	810	31.60	\$161.10*
AMD A8-7680	5185	801	86.45	\$59.99*
AMD A8-8600P	3248	1218	NA	NA
AMD A8-8650	5470	753	NA	NA
AMD A8-9600	4990	838	77.05	\$64.76
AMD A9-9400	2328	1533	NA	NA
AMD A9-9410	2552	1453	NA	NA
AMD A9-9420	2330	1531	NA	NA
AMD A9-9420e	1894	1725	NA	NA
AMD A9-9425	2542	1459	NA	NA
AMD A9-9430	2524	1463	NA	NA
AMD A10 Micro-6700T APU	1970	1685	NA	NA
AMD A10 PRO-7350B APU	3171	1244	NA	NA
AMD A10 PRO-7800B APU	4973	842	NA	NA
AMD A10 PRO-7850B APU	5380	769	NA	NA
AMD A10-4600M APU	3112	1266	NA	NA
AMD A10-4655M APU	2607	1431	NA	NA
AMD A10-4657M APU	2906	1339	NA	NA
AMD A10-5700 APU	4211	990	65.30	\$64.50*
AMD A10-5745M APU	2763	1386	NA	NA
AMD A10-5750M APU	3344	1195	NA	NA
AMD A10-5757M APU	3084	1273	NA	NA
AMD A10-5800B APU	4568	917	NA	NA
AMD A10-5800K APU	4637	901	7.60	\$610.00*
AMD A10-6700 APU	4606	911	39.37	\$116.99*
AMD A10-6700T APU	3693	1105	25.02	\$147.61*
AMD A10-6790K APU	4684	892	49.32	\$94.99*
AMD A10-6800B APU	4806	872	NA	NA
AMD A10-6800K APU	4860	864	16.95	\$286.85*
AMD A10-7300 APU	2906	1340	NA	NA
AMD A10-7400P	3603	1121	NA	NA
AMD A10-7700K APU	5119	806	14.77	\$346.70*
AMD A10-7800 APU	4982	840	48.19	\$103.39*
AMD A10-7850K APU	5471	752	19.40	\$281.99*
AMD A10-7860K	5066	818	28.95	\$175.00*
AMD A10-7870K	5469	754	24.10	\$226.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A10-7890K	5702	723	28.51	\$199.99*
AMD A10-8700P	3445	1166	NA	NA
AMD A10-8750	5057	820	NA	NA
AMD A10-8850	5598	738	NA	NA
AMD A10-9600P	3777	1081	NA	NA
AMD A10-9620P	3673	1110	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A10-9630P	4497	935	NA	NA
AMD A10-9700	5387	768	64.73	\$83.22
AMD A10-9700E	4747	885	39.49	\$120.24*
AMD A12-9700P	3725	1097	NA	NA
AMD A12-9720P	3998	1028	NA	NA
AMD A12-9730P	4472	939	NA	NA
AMD A12-9800	5521	747	37.25	\$148.24
AMD A12-9800E	5083	812	39.11	\$129.99
AMD Athlon64 X2 Dual Core 4600+	1108	2133	NA	NA
AMD Athlon 4	279	2730	11.68	\$23.95
AMD Athlon 64 2000+	116	2864	NA	NA
AMD Athlon 64 2200+	575	2422	NA	NA
AMD Athlon 64 2600+	374	2604	NA	NA
AMD Athlon 64 2800+	438	2533	4.38	\$99.99*
AMD Athlon 64 3000+	464	2502	6.19	\$74.95*
AMD Athlon 64 3200+	492	2471	3.28	\$149.95*
AMD Athlon 64 3300+	576	2421	NA	NA
AMD Athlon 64 3400+	545	2433	NA	NA
AMD Athlon 64 3500+	540	2439	4.97	\$108.95*
AMD Athlon 64 3600+	601	2406	NA	NA
AMD Athlon 64 3700+	598	2408	8.67	\$69.00*
AMD Athlon 64 3800+	589	2411	3.28	\$179.95*
AMD Athlon 64 4000+	608	2401	3.32	\$183.27
AMD Athlon 64 FX-25	794	2315	NA	NA
AMD Athlon 64 FX-34	380	2596	NA	NA
AMD Athlon 64 FX-51	437	2534	NA	NA
AMD Athlon 64 FX-53	646	2382	21.57	\$29.99*
AMD Athlon 64 FX-55	721	2346	4.01	\$179.95*
AMD Athlon 64 FX-57	730	2342	NA	NA
AMD Athlon 64 FX-59	715	2349	NA	NA
AMD Athlon 64 FX-60 Dual Core	1282	2036	NA	NA
AMD Athlon 64 FX-62 Dual Core	1573	1893	NA	NA
AMD Athlon 64 FX-72	1794	1772	NA	NA
AMD Athlon 64 FX-74	1495	1931	2.99	\$499.50*
AMD Athlon 64 X2 3800+	958	2229	NA	NA
AMD Athlon 64 X2 4200+	1285	2033	4.16	\$308.95*
AMD Athlon 64 X2 Dual Core 3400+	994	2202	NA	NA
AMD Athlon 64 X2 Dual Core 3600+	962	2223	16.05	\$60.00*
AMD Athlon 64 X2 Dual Core 3800+	999	2196	NA	NA
AMD Athlon 64 X2 Dual Core 4000+	1043	2170	NA	NA
AMD Athlon 64 X2 Dual Core 4200+	1097	2138	6.86	\$159.95
AMD Athlon 64 X2 Dual Core 4400+	1146	2117	19.11	\$60.00
AMD Athlon 64 X2 Dual Core 4600+	1219	2070	3.39	\$359.95*
AMD Athlon 64 X2 Dual Core 4800+	1253	2051	2.73	\$459.95*
AMD Athlon 64 X2 Dual Core 5000+	1314	2011	3.96	\$331.49*
AMD Athlon 64 X2 Dual Core 5200+	1381	1976	9.87	\$139.95
AMD Athlon 64 X2 Dual Core 5400+	1448	1947	27.34	\$52.99*
AMD Athlon 64 X2 Dual Core 5600+	1486	1934	10.62	\$139.95

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 64 X2 Dual Core 5800+	1516	1918	60.68	\$24.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 64 X2 Dual Core 6000+	1603	1880	34.90	\$45.95
AMD Athlon 64 X2 Dual Core 6400+	1791	1774	6.89	\$259.95*
AMD Athlon 64 X2 Dual Core BE-230	1095	2142	NA	NA
AMD Athlon 64 X2 Dual Core BE-2300	1082	2151	NA	NA
AMD Athlon 64 X2 Dual Core BE-2350	1044	2168	NA	NA
AMD Athlon 64 X2 Dual Core TK-53	839	2294	28.02	\$29.97*
AMD Athlon 64 X2 Dual Core TK-55	839	2295	14.53	\$57.74*
AMD Athlon 64 X2 Dual Core TK-57	971	2217	NA	NA
AMD Athlon 64 X2 Dual-Core TK-42	877	2273	NA	NA
AMD Athlon 64 X2 Dual-Core TK-53	816	2304	NA	NA
AMD Athlon 64 X2 Dual-Core TK-55	874	2275	12.02	\$72.74*
AMD Athlon 64 X2 Dual-Core TK-57	925	2250	NA	NA
AMD Athlon 64 X2 QL-60	921	2255	NA	NA
AMD Athlon 64 X2 QL-62	1005	2191	NA	NA
AMD Athlon 64 X2 QL-64	992	2206	NA	NA
AMD Athlon 64 X2 QL-65	1050	2166	NA	NA
AMD Athlon 64 X2 QL-66	947	2237	NA	NA
AMD Athlon 64 X2 QL-67	1006	2190	NA	NA
AMD Athlon 64 X2 TK-55	955	2230	NA	NA
AMD Athlon 64 X2 TK-57	988	2208	NA	NA
AMD Athlon 200GE	4937	849	79.56	\$62.06
AMD Athlon 220GE	5252	788	75.05	\$69.99
AMD Athlon 240GE	5411	762	73.43	\$73.70
AMD Athlon 1500+	294	2703	NA	NA
AMD Athlon 1640B	670	2372	13.42	\$50.00*
AMD Athlon 2000+	390	2592	NA	NA
AMD Athlon 2100+	412	2555	NA	NA
AMD Athlon 2200+	363	2622	4.55	\$79.99*
AMD Athlon 2400+	462	2505	NA	NA
AMD Athlon 2500+	374	2602	2.04	\$183.99*
AMD Athlon 2600+	444	2524	4.23	\$104.95*
AMD Athlon 2650e	409	2559	21.56	\$19.00*
AMD Athlon 2800+	447	2521	3.20	\$139.95*
AMD Athlon 2850e	506	2464	NA	NA
AMD Athlon 3100+	485	2482	NA	NA
AMD Athlon 3200+	458	2509	7.63	\$60.00*
AMD Athlon 5000 Dual-Core	1292	2025	10.78	\$119.95
AMD Athlon 5150 APU	2106	1630	13.17	\$159.95
AMD Athlon 5200 Dual-Core	1266	2046	42.23	\$29.99*
AMD Athlon 5350 APU	2607	1432	7.70	\$338.46*
AMD Athlon 5370 APU	2912	1333	45.73	\$63.70*
AMD Athlon 7450 Dual-Core	1448	1948	NA	NA
AMD Athlon 7550 Dual-Core	1469	1939	24.49	\$60.00
AMD Athlon 7750 Dual-Core	1571	1894	8.49	\$184.98
AMD Athlon 7850 Dual-Core	1713	1812	8.17	\$209.65*
AMD Athlon 7850 Dual-Core 2.8G	288	2713	NA	NA
AMD Athlon Dual Core 4050e	1086	2147	NA	NA
AMD Athlon Dual Core 4450B	1166	2103	37.63	\$31.00*
AMD Athlon Dual Core 4450e	1105	2136	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon Dual Core 4850B	1391	1969	NA	NA
AMD Athlon Dual Core 4850e	1313	2012	33.67	\$39.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon Dual Core 5000B	1304	2016	13.74	\$95.00*
AMD Athlon Dual Core 5050e	1343	1998	22.39	\$60.00*
AMD Athlon Dual Core 5200B	1316	2010	NA	NA
AMD Athlon Dual Core 5400B	1420	1961	NA	NA
AMD Athlon Dual Core 5600B	1304	2017	NA	NA
AMD Athlon II 160u	560	2428	18.68	\$29.99*
AMD Athlon II 170u	625	2393	20.89	\$29.95*
AMD Athlon II Dual-Core M300	1112	2128	NA	NA
AMD Athlon II Dual-Core M320	1141	2119	38.05	\$30.00*
AMD Athlon II Dual-Core M340	1056	2164	NA	NA
AMD Athlon II N330 Dual-Core	1154	2110	NA	NA
AMD Athlon II N350 Dual-Core	1249	2056	NA	NA
AMD Athlon II N370 Dual-Core	1559	1898	NA	NA
AMD Athlon II Neo K125	473	2494	NA	NA
AMD Athlon II Neo K145	525	2447	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2322	29.84	\$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2285	NA	NA
AMD Athlon II Neo N36L Dual-Core	793	2317	NA	NA
AMD Athlon II P320 Dual-Core	1217	2071	40.66	\$29.95*
AMD Athlon II P340 Dual-Core	1250	2055	27.82	\$44.95*
AMD Athlon II P360 Dual-Core	1318	2009	54.93	\$24.00*
AMD Athlon II X2 210e	1486	1933	NA	NA
AMD Athlon II X2 215	1569	1896	130.89	\$11.99*
AMD Athlon II X2 220	1632	1865	50.70	\$32.19
AMD Athlon II X2 225	1526	1909	NA	NA
AMD Athlon II X2 235e	1658	1850	9.12	\$181.88*
AMD Athlon II X2 240	1642	1856	47.00	\$34.95
AMD Athlon II X2 240e	1695	1827	48.52	\$34.95*
AMD Athlon II X2 245	1661	1849	47.55	\$34.95
AMD Athlon II X2 245e	1709	1816	21.37	\$80.00*
AMD Athlon II X2 250	1742	1794	44.73	\$38.95
AMD Athlon II X2 250e	1939	1700	25.28	\$76.73*
AMD Athlon II X2 250u	1000	2195	28.64	\$34.95
AMD Athlon II X2 255	1841	1754	28.23	\$65.22*
AMD Athlon II X2 260	1874	1736	93.76	\$19.99*
AMD Athlon II X2 260u	1107	2134	13.28	\$83.44*
AMD Athlon II X2 265	1890	1730	22.81	\$82.88*
AMD Athlon II X2 270	1978	1682	82.48	\$23.99*
AMD Athlon II X2 270u	1350	1994	19.96	\$67.67*
AMD Athlon II X2 280	2129	1617	21.30	\$99.99*
AMD Athlon II X2 4300e	1350	1993	NA	NA
AMD Athlon II X2 4400e	1632	1864	NA	NA
AMD Athlon II X2 4450e	1504	1924	NA	NA
AMD Athlon II X2 B22	1711	1813	41.05	\$41.69*
AMD Athlon II X2 B24	1776	1778	44.48	\$39.95
AMD Athlon II X2 B26	1904	1717	54.50	\$34.95*
AMD Athlon II X2 B28	2085	1640	42.52	\$49.05*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X3 400e	2009	1669	18.70	\$107.43*
AMD Athlon II X3 405e	2000	1670	25.00	\$79.99*
AMD Athlon II X3 415e	2247	1573	29.97	\$75.00*
AMD Athlon II X3 420e	2285	1553	19.68	\$116.15*
AMD Athlon II X3 425	2318	1537	85.90	\$26.99*
AMD Athlon II X3 425e	2239	1578	NA	NA
AMD Athlon II X3 435	2472	1485	82.44	\$29.99*



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X3 440	2566	1449	95.10	\$26.99*
AMD Athlon II X3 445	2572	1446	28.26	\$91.00*
AMD Athlon II X3 450	2621	1426	68.98	\$38.01
AMD Athlon II X3 455	2767	1382	70.98	\$38.99*
AMD Athlon II X3 460	2863	1352	73.45	\$38.99*
AMD Athlon II X4 553	3814	1072	NA	NA
AMD Athlon II X4 555	3830	1067	NA	NA
AMD Athlon II X4 559	4135	1006	NA	NA
AMD Athlon II X4 600e	2453	1491	18.84	\$130.23*
AMD Athlon II X4 605e	2738	1396	26.90	\$101.80*
AMD Athlon II X4 610e	2790	1375	39.87	\$69.99*
AMD Athlon II X4 615e	2901	1344	49.17	\$59.00*
AMD Athlon II X4 620	2934	1325	41.93	\$69.99*
AMD Athlon II X4 620e	2906	1341	NA	NA
AMD Athlon II X4 630	3132	1259	49.76	\$62.95
AMD Athlon II X4 631 Quad-Core	3153	1255	39.42	\$80.00*
AMD Athlon II X4 635	3235	1222	46.25	\$69.95*
AMD Athlon II X4 638 Quad-Core	3198	1232	120.73	\$26.49*
AMD Athlon II X4 640	3313	1201	41.45	\$79.95
AMD Athlon II X4 641 Quad-Core	3345	1193	36.56	\$91.50*
AMD Athlon II X4 645	3469	1159	43.39	\$79.95
AMD Athlon II X4 650	3482	1157	20.90	\$166.60*
AMD Athlon II X4 651 Quad-Core	3576	1131	20.09	\$178.04*
AMD Athlon II X4 655	2998	1304	NA	NA
AMD Athlon II X4 6400e	2594	1435	NA	NA
AMD Athlon L110	303	2683	NA	NA
AMD Athlon LE-1600	557	2429	26.57	\$21.00*
AMD Athlon LE-1620	578	2419	32.12	\$18.00*
AMD Athlon LE-1640	627	2392	NA	NA
AMD Athlon LE-1660	679	2369	NA	NA
AMD Athlon MP	230	2784	4.20	\$54.95*
AMD Athlon MP 1700+	339	2645	NA	NA
AMD Athlon MP 2400+	436	2535	NA	NA
AMD Athlon MP 2800+	497	2469	NA	NA
AMD Athlon Neo MV-40	410	2557	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2193	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2321	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2299	NA	NA
AMD Athlon PRO 200GE	5204	793	NA	NA
AMD Athlon QI-46	473	2493	NA	NA
AMD Athlon TF-20	413	2554	NA	NA
AMD Athlon TF-36	395	2582	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon X2 215	1543	1903	NA	NA
AMD Athlon X2 235e	1806	1768	NA	NA
AMD Athlon X2 240	1602	1881	NA	NA
AMD Athlon X2 240e	1670	1841	NA	NA
AMD Athlon X2 250	1696	1826	NA	NA
AMD Athlon X2 255	1627	1869	NA	NA
AMD Athlon X2 280	2303	1545	68.77	\$33.49*
AMD Athlon X2 340 Dual Core	1911	1716	38.23	\$49.99*
AMD Athlon X2 370K Dual Core	2251	1572	NA	NA
AMD Athlon X2 440	1424	1958	NA	NA
AMD Athlon X2 Dual Core 3250e	783	2320	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2197	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon X2 Dual Core BE-2300	920	2256	NA	NA
AMD Athlon X2 Dual Core BE-2350	1109	2131	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2072	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	2053	NA	NA
AMD Athlon X2 Dual Core L310	644	2384	NA	NA
AMD Athlon X2 Dual Core LS-5800	1009	2188	NA	NA
AMD Athlon X3 425	2191	1596	NA	NA
AMD Athlon X3 435	2574	1444	26.96	\$95.49*
AMD Athlon X3 440	2078	1642	23.62	\$87.99*
AMD Athlon X3 445	2314	1539	NA	NA
AMD Athlon X3 450	3064	1282	38.80	\$78.99*
AMD Athlon X3 455	2401	1509	NA	NA
AMD Athlon X4 605e	2505	1473	NA	NA
AMD Athlon X4 620	2861	1353	47.74	\$59.95
AMD Athlon X4 635	2891	1347	23.71	\$121.99*
AMD Athlon X4 640	3172	1242	NA	NA
AMD Athlon X4 740 Quad Core	4014	1025	14.49	\$277.00*
AMD Athlon X4 750 Quad Core	4551	920	NA	NA
AMD Athlon X4 750K Quad Core	4253	981	55.25	\$76.99*
AMD Athlon X4 760K Quad Core	4593	913	109.41	\$41.98*
AMD Athlon X4 830	4701	889	NA	NA
AMD Athlon X4 840	5046	825	64.09	\$78.74*
AMD Athlon X4 845	5398	766	101.61	\$53.13*
AMD Athlon X4 860K	5416	760	40.14	\$134.95
AMD Athlon X4 870K	5288	783	66.12	\$79.99*
AMD Athlon X4 880K	5545	742	55.46	\$99.99*
AMD Athlon X4 950	5249	789	81.89	\$64.10
AMD Athlon XP1600+	281	2725	NA	NA
AMD Athlon XP1900+	353	2631	NA	NA
AMD Athlon XP2100+	287	2715	NA	NA
AMD Athlon XP2200+	401	2573	NA	NA
AMD Athlon XP2400+	374	2603	NA	NA
AMD Athlon XP 1500	282	2724	NA	NA
AMD Athlon XP 1500+	257	2755	NA	NA
AMD Athlon XP 1600+	267	2745	NA	NA
AMD Athlon XP 1700	344	2641	NA	NA
AMD Athlon XP 1700+	271	2741	4.43	\$61.25*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon XP 1800+	300	2690	5.10	\$58.95*
AMD Athlon XP 1900+	312	2674	NA	NA
AMD Athlon XP 2000+	299	2691	12.00	\$24.99*
AMD Athlon XP 2100+	323	2657	NA	NA
AMD Athlon XP 2200+	328	2656	3.87	\$84.95*
AMD Athlon XP 2300+	464	2501	NA	NA
AMD Athlon XP 2400+	360	2624	4.01	\$89.99*
AMD Athlon XP 2500+	355	2628	NA	NA
AMD Athlon XP 2600+	372	2608	16.18	\$23.03*
AMD Athlon XP 2700+	393	2585	4.64	\$84.79*
AMD Athlon XP 2800+	400	2575	NA	NA
AMD Athlon XP 2900+	424	2549	NA	NA
AMD Athlon XP 3000+	402	2570	5.06	\$79.70*
AMD Athlon XP 3100+	433	2539	NA	NA
AMD Athlon XP 3200+	431	2541	NA	NA
AMD Athlon XP 3400+	570	2425	NA	NA
AMD Athlon XP Pro3+	367	2616	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon XP-M	541	2438	15.48	\$34.95*
AMD C-30	310	2676	NA	NA
AMD C-50	462	2504	NA	NA
AMD C-60	466	2498	NA	NA
AMD C-60 APU	543	2435	NA	NA
AMD C-70 APU	556	2430	NA	NA
AMD E1 Micro-6200T APU	960	2226	NA	NA
AMD E1-1200 APU	655	2380	NA	NA
AMD E1-1500 APU	688	2363	NA	NA
AMD E1-2100 APU	641	2387	NA	NA
AMD E1-2200 APU	767	2324	NA	NA
AMD E1-2500 APU	889	2272	NA	NA
AMD E1-6010 APU	863	2279	NA	NA
AMD E1-6015 APU	899	2268	NA	NA
AMD E1-7010 APU	1002	2194	NA	NA
AMD E2-1800 APU	816	2303	NA	NA
AMD E2-2000 APU	825	2300	NA	NA
AMD E2-3000 APU	1105	2137	NA	NA
AMD E2-3000M APU	1096	2140	54.84	\$20.00*
AMD E2-3200 APU	1386	1971	173.59	\$7.99*
AMD E2-3800 APU	1643	1855	NA	NA
AMD E2-6110 APU	1915	1713	NA	NA
AMD E2-7110 APU	2284	1554	NA	NA
AMD E2-9000	1641	1857	NA	NA
AMD E2-9000e	1353	1991	NA	NA
AMD E2-9010	1705	1818	NA	NA
AMD E2-9030	1515	1919	NA	NA
AMD E-240	319	2663	NA	NA
AMD E-300 APU	610	2400	NA	NA
AMD E-350	746	2337	NA	NA
AMD E-350 APU	757	2331	NA	NA
AMD E-350D APU	726	2344	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD E-450 APU	766	2325	NA	NA
AMD Embedded G-Series GX-215JJ Radeon R2E	1758	1783	NA	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1637	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2508	1471	NA	NA
AMD Embedded R-Series RX-216GD	2409	1505	NA	NA
AMD Embedded R-Series RX-418GD Radeon R6	5068	816	NA	NA
AMD Embedded R-Series RX-421BD	4635	903	NA	NA
AMD EPYC 7251 8-Core	11811	234	23.07	\$512.00
AMD EPYC 7301	14978	143	17.28	\$866.80
AMD EPYC 7351	18081	80	14.80	\$1,221.99
AMD EPYC 7351P	14887	145	17.25	\$862.88
AMD EPYC 7371	22071	33	NA	NA
AMD EPYC 7401P	19555	64	18.19	\$1,075.00
AMD EPYC 7501	18942	70	5.41	\$3,498.72
AMD EPYC 7551	18483	75	5.19	\$3,559.56
AMD EPYC 7551P	18406	76	7.94	\$2,317.99
AMD FirePro A320 APU	4540	926	NA	NA
AMD FX-670K Quad-Core	4550	921	NA	NA
AMD FX-770K Quad-Core	4803	874	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-870K Quad Core	5021	831	NA	NA
AMD FX-4100 Quad-Core	4070	1017	31.31	\$129.99*
AMD FX-4130 Quad-Core	4163	999	54.79	\$75.99*
AMD FX-4150 Quad-Core	4594	912	NA	NA
AMD FX-4170 Quad-Core	4869	860	48.70	\$99.99*
AMD FX-4200 Quad-Core	4235	984	18.56	\$228.21*
AMD FX-4300 Quad-Core	4693	891	52.17	\$89.96
AMD FX-4320	5014	834	NA	NA
AMD FX-4330	5321	782	NA	NA
AMD FX-4350 Quad-Core	5340	777	12.42	\$430.00
AMD FX-6100 Six-Core	5388	767	21.30	\$253.00
AMD FX-6120 Six-Core	5733	720	NA	NA
AMD FX-6130 Six-Core	6215	668	NA	NA
AMD FX-6200 Six-Core	6120	681	18.01	\$339.95
AMD FX-6300 Six-Core	6387	653	93.27	\$68.49
AMD FX-6330 Six-Core	6916	602	NA	NA
AMD FX-6350 Six-Core	7001	591	57.42	\$121.95
AMD FX-7500 APU	3212	1229	NA	NA
AMD FX-7600P	4049	1019	NA	NA
AMD FX-7600P APU	4627	905	NA	NA
AMD FX-8100 Eight-Core	6008	691	42.31	\$142.00*
AMD FX-8120 Eight-Core	6600	634	66.01	\$99.99*
AMD FX-8140 Eight-Core	6133	677	NA	NA
AMD FX-8150 Eight-Core	7632	533	5.28	\$1,444.68
AMD FX-8300 Eight-Core	7717	522	48.24	\$159.98
AMD FX-8310 Eight-Core	7723	520	NA	NA
AMD FX-8320 Eight-Core	8016	496	53.80	\$149.00
AMD FX-8320E Eight-Core	7549	537	76.27	\$98.99
AMD FX-8350 Eight-Core	8950	413	162.77	\$54.99
AMD FX-8370 Eight-Core	9036	400	64.55	\$139.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-8370E Eight-Core	7808	512	26.25	\$297.51
AMD FX-8800P	4147	1003	NA	NA
AMD FX-9370 Eight-Core	9447	365	26.03	\$362.99
AMD FX-9590 Eight-Core	10191	294	68.17	\$149.50
AMD FX-9800P	3981	1034	NA	NA
AMD FX-9830P	4772	880	NA	NA
AMD FX-B4150 Quad-Core	4611	909	NA	NA
AMD G-T40E	467	2497	NA	NA
AMD G-T40N	516	2456	NA	NA
AMD G-T40R	203	2811	NA	NA
AMD G-T44R	229	2785	NA	NA
AMD G-T48E	667	2374	NA	NA
AMD G-T52R	308	2678	NA	NA
AMD G-T56E	751	2333	NA	NA
AMD G-T56N	794	2316	NA	NA
AMD Geode NX	264	2748	NA	NA
AMD Geode NX 1750	291	2704	NA	NA
AMD GX-210JA SOC	401	2574	NA	NA
AMD GX-212JC SOC	744	2338	NA	NA
AMD GX-217GA SOC	1107	2135	NA	NA
AMD GX-218GL SOC	1115	2124	NA	NA
AMD GX-222GC SOC	1255	2050	NA	NA
AMD GX-412HC	1497	1930	NA	NA
AMD GX-415GA SOC	1944	1698	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD GX-420CA SOC	2412	1503	NA	NA
AMD GX-424CC SOC	2491	1478	NA	NA
AMD K7	403	2568	NA	NA
AMD Opteron 140	396	2580	0.56	\$710.00*
AMD Opteron 142	428	2545	NA	NA
AMD Opteron 144	486	2479	7.48	\$65.00*
AMD Opteron 146	532	2443	8.87	\$59.99*
AMD Opteron 148	603	2405	NA	NA
AMD Opteron 150	604	2403	NA	NA
AMD Opteron 152	658	2376	NA	NA
AMD Opteron 154	703	2358	NA	NA
AMD Opteron 165	899	2269	1.47	\$610.00*
AMD Opteron 170	1097	2139	NA	NA
AMD Opteron 175	1167	2102	NA	NA
AMD Opteron 180	1233	2063	9.49	\$129.95*
AMD Opteron 185	1342	1999	NA	NA
AMD Opteron 246	632	2391	31.62	\$19.99*
AMD Opteron 248	476	2491	4.77	\$99.95
AMD Opteron 250	649	2381	59.01	\$11.00*
AMD Opteron 252	760	2329	12.00	\$63.36*
AMD Opteron 254	693	2361	NA	NA
AMD Opteron 256	963	2221	50.72	\$19.00*
AMD Opteron 265	963	2222	13.20	\$73.00
AMD Opteron 270	1170	2099	1.93	\$607.47*
AMD Opteron 275	1291	2027	19.87	\$64.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 280	1176	2092	1.48	\$796.67*
AMD Opteron 285	1470	1938	NA	NA
AMD Opteron 290	1464	1941	10.85	\$135.00*
AMD Opteron 1210	923	2252	NA	NA
AMD Opteron 1210 HE	971	2216	NA	NA
AMD Opteron 1212	1009	2189	3.48	\$290.00*
AMD Opteron 1212 HE	1308	2014	NA	NA
AMD Opteron 1214	1191	2086	4.11	\$290.00*
AMD Opteron 1214 HE	1299	2019	NA	NA
AMD Opteron 1216	1311	2013	23.91	\$54.85*
AMD Opteron 1216 HE	1172	2097	NA	NA
AMD Opteron 1218	1468	1940	NA	NA
AMD Opteron 1218 HE	1444	1949	NA	NA
AMD Opteron 1220	1653	1853	NA	NA
AMD Opteron 1222	1757	1785	NA	NA
AMD Opteron 1352	2316	1538	17.04	\$135.99*
AMD Opteron 1354	2630	1424	19.49	\$135.00*
AMD Opteron 1356	2765	1384	30.73	\$89.99*
AMD Opteron 1381	3065	1281	NA	NA
AMD Opteron 2212	1270	2042	63.53	\$20.00*
AMD Opteron 2214	1358	1990	46.85	\$29.00*
AMD Opteron 2214 HE	1415	1963	NA	NA
AMD Opteron 2216	1518	1917	61.21	\$24.80
AMD Opteron 2218	1594	1886	49.18	\$32.42*
AMD Opteron 2220	1701	1822	2.24	\$758.84*
AMD Opteron 2220 SE	1398	1967	55.92	\$25.00*
AMD Opteron 2222	1843	1751	1.11	\$1,664.98*
AMD Opteron 2224 SE	1919	1710	NA	NA
AMD Opteron 2350	2820	1365	10.45	\$269.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 2356	2814	1367	54.12	\$52.00*
AMD Opteron 2373 EE	2789	1376	NA	NA
AMD Opteron 2374 HE	2951	1317	15.53	\$189.99*
AMD Opteron 2376	2283	1555	13.69	\$166.81*
AMD Opteron 2378	3179	1239	17.76	\$179.00*
AMD Opteron 2380	2640	1421	58.69	\$45.00
AMD Opteron 2384	3538	1142	4.21	\$840.00*
AMD Opteron 2386 SE	3538	1143	NA	NA
AMD Opteron 2393 SE	2246	1574	NA	NA
AMD Opteron 2427	3069	1279	31.00	\$99.00
AMD Opteron 2431	4516	931	112.91	\$40.00
AMD Opteron 2435	4708	888	24.91	\$189.00
AMD Opteron 3250 HE	2942	1321	29.73	\$99.00*
AMD Opteron 3260 HE	3259	1213	NA	NA
AMD Opteron 3280	5403	764	19.78	\$273.18*
AMD Opteron 3320 EE	2675	1412	NA	NA
AMD Opteron 3350 HE	4009	1026	NA	NA
AMD Opteron 3365	5963	694	NA	NA
AMD Opteron 3380	6384	654	7.89	\$809.00*
AMD Opteron 4122	2942	1322	23.55	\$124.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 4162 EE	3166	1248	NA	NA
AMD Opteron 4170 HE	3664	1111	62.11	\$59.00*
AMD Opteron 4184	4418	951	8.50	\$519.95*
AMD Opteron 4280	6430	645	128.60	\$50.00
AMD Opteron 4284	6660	628	111.03	\$59.99*
AMD Opteron 4332 HE	5614	735	NA	NA
AMD Opteron 4334	6099	684	28.18	\$216.42*
AMD Opteron 4365 EE	5025	830	NA	NA
AMD Opteron 4386	6761	616	48.30	\$139.99*
AMD Opteron 6128	4505	932	225.37	\$19.99
AMD Opteron 6134	2938	1323	66.81	\$43.99
AMD Opteron 6136	4631	904	42.10	\$110.00*
AMD Opteron 6164 HE	5351	775	NA	NA
AMD Opteron 6172	5261	786	26.57	\$198.00
AMD Opteron 6174	6171	673	62.34	\$99.00
AMD Opteron 6176 SE	5465	756	34.37	\$159.00*
AMD Opteron 6212	5776	715	192.62	\$29.99*
AMD Opteron 6220	6785	612	113.11	\$59.99*
AMD Opteron 6234	5938	698	198.27	\$29.95*
AMD Opteron 6238	7673	529	21.32	\$359.89*
AMD Opteron 6272	6748	618	21.77	\$309.95
AMD Opteron 6274	4865	862	105.80	\$45.99
AMD Opteron 6276	8889	419	52.60	\$169.00
AMD Opteron 6282 SE	9116	393	70.13	\$129.99*
AMD Opteron 6287 SE	9789	332	NA	NA
AMD Opteron 6328	7813	511	21.76	\$359.00
AMD Opteron 6366 HE	7503	541	37.52	\$199.99*
AMD Opteron 6376	9212	384	141.72	\$65.00
AMD Opteron 6378	9094	394	22.79	\$399.00
AMD Opteron 6380	10081	305	170.88	\$59.00
AMD Opteron 6386 SE	10912	258	72.75	\$149.99*
AMD Opteron 8354	2255	1570	93.98	\$24.00
AMD Opteron 8439 SE	3813	1073	50.84	\$75.00*
AMD Opteron X2170 APU	3059	1283	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron X3216 APU	2366	1524	NA	NA
AMD Opteron X3418 APU	4659	896	NA	NA
AMD Opteron X3421 APU	4928	852	NA	NA
AMD Phenom 2 X4 12000	3005	1302	NA	NA
AMD Phenom 7950 Quad-Core	2991	1305	NA	NA
AMD Phenom 8250 Triple-Core	1668	1843	NA	NA
AMD Phenom 8250e Triple-Core	1619	1872	34.45	\$46.99*
AMD Phenom 8400 Triple-Core	1632	1863	NA	NA
AMD Phenom 8450 Triple-Core	1889	1732	63.08	\$29.95*
AMD Phenom 8450e Triple-Core	2026	1660	NA	NA
AMD Phenom 8600 Triple-Core	1673	1839	31.57	\$52.99*
AMD Phenom 8600B Triple-Core	1924	1707	36.33	\$52.99*
AMD Phenom 8650 Triple-Core	1989	1676	39.79	\$49.99*
AMD Phenom 8750 Triple-Core	2058	1651	NA	NA
AMD Phenom 8750B Triple-Core	2034	1657	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom 8850 Triple-Core	1968	1687	NA	NA
AMD Phenom 8850B Triple-Core	2080	1641	NA	NA
AMD Phenom 9100e Quad-Core	1831	1759	45.85	\$39.95*
AMD Phenom 9150e Quad-Core	2113	1626	52.91	\$39.95*
AMD Phenom 9350e Quad-Core	2320	1535	0.69	\$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1433	24.76	\$105.00*
AMD Phenom 9500 Quad-Core	2203	1591	76.02	\$28.99*
AMD Phenom 9550 Quad-Core	2543	1458	87.74	\$28.99*
AMD Phenom 9600 Quad-Core	2306	1544	46.18	\$49.95*
AMD Phenom 9600B Quad-Core	2573	1445	17.48	\$147.19*
AMD Phenom 9650 Quad-Core	2636	1422	47.97	\$54.95*
AMD Phenom 9750 Quad-Core	2812	1369	95.36	\$29.49*
AMD Phenom 9750B Quad-Core	2709	1403	NA	NA
AMD Phenom 9850 Quad-Core	2892	1346	24.11	\$119.99*
AMD Phenom 9850B Quad-Core	3160	1252	NA	NA
AMD Phenom 9950 Quad-Core	3010	1297	22.30	\$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1468	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1320	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1118	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1154	NA	NA
AMD Phenom II N620 Dual-Core	1683	1831	421.84	\$3.99*
AMD Phenom II N640 Dual-Core	1718	1808	26.46	\$64.95*
AMD Phenom II N660 Dual-Core	1851	1747	18.70	\$99.00*
AMD Phenom II N830 3+1	2652	1417	NA	NA
AMD Phenom II N830 Triple-Core	1890	1731	NA	NA
AMD Phenom II N850 Triple-Core	1937	1701	77.51	\$25.00*
AMD Phenom II N870 Triple-Core	1993	1673	NA	NA
AMD Phenom II N930 Quad-Core	2274	1559	17.50	\$129.95*
AMD Phenom II N950 Quad-Core	2485	1482	22.07	\$112.60*
AMD Phenom II N970 Quad-Core	2523	1464	16.83	\$149.99*
AMD Phenom II P650 Dual-Core	1597	1884	45.66	\$35.00*
AMD Phenom II P820 Triple-Core	1604	1879	NA	NA
AMD Phenom II P840 Triple-Core	1722	1804	NA	NA
AMD Phenom II P860 Triple-Core	1756	1787	NA	NA
AMD Phenom II P920 Quad-Core	1866	1740	24.89	\$75.00*
AMD Phenom II P940 Quad-Core	1820	1765	NA	NA
AMD Phenom II P960 Quad-Core	2085	1638	74.48	\$28.00*
AMD Phenom II X2 511	2104	1631	NA	NA
AMD Phenom II X2 521	2071	1644	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X2 545	1916	1712	43.57	\$43.98*
AMD Phenom II X2 550	2021	1662	40.44	\$49.99*
AMD Phenom II X2 555	2045	1654	73.10	\$27.98*
AMD Phenom II X2 560	2061	1648	31.71	\$64.99*
AMD Phenom II X2 565	2222	1585	74.12	\$29.99*
AMD Phenom II X2 570	2068	1646	NA	NA
AMD Phenom II X2 B53	1709	1815	NA	NA
AMD Phenom II X2 B55	1921	1709	40.02	\$48.00*
AMD Phenom II X2 B57	1826	1763	NA	NA
AMD Phenom II X2 B59	2118	1623	108.77	\$19.48*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X3 700e	2242	1576	NA	NA
AMD Phenom II X3 705e	2227	1583	14.63	\$152.34*
AMD Phenom II X3 710	2446	1492	28.95	\$84.53*
AMD Phenom II X3 715	2649	1420	31.17	\$84.99*
AMD Phenom II X3 720	2669	1413	38.14	\$69.99*
AMD Phenom II X3 740	2985	1306	33.55	\$88.99*
AMD Phenom II X3 B73	2735	1398	36.47	\$75.00*
AMD Phenom II X3 B75	2906	1338	72.69	\$39.99*
AMD Phenom II X3 B77	3067	1280	137.64	\$22.29*
AMD Phenom II X4 805	2998	1303	17.23	\$173.99*
AMD Phenom II X4 810	3122	1263	26.92	\$115.99*
AMD Phenom II X4 820	3396	1177	45.31	\$74.95*
AMD Phenom II X4 830	3434	1168	42.95	\$79.95*
AMD Phenom II X4 840	3507	1151	39.00	\$89.95*
AMD Phenom II X4 840T	3598	1124	51.42	\$69.99*
AMD Phenom II X4 850	3549	1138	54.62	\$64.99*
AMD Phenom II X4 900e	2882	1350	NA	NA
AMD Phenom II X4 905e	3078	1277	57.02	\$53.99*
AMD Phenom II X4 910	3252	1217	32.52	\$100.00*
AMD Phenom II X4 910e	3254	1216	20.73	\$156.99*
AMD Phenom II X4 920	3393	1180	42.42	\$79.99
AMD Phenom II X4 925	3418	1171	77.70	\$43.99*
AMD Phenom II X4 940	3591	1126	60.52	\$59.34*
AMD Phenom II X4 945	3654	1114	53.66	\$68.11
AMD Phenom II X4 955	3924	1049	30.15	\$130.16*
AMD Phenom II X4 960T	3781	1080	59.10	\$63.99*
AMD Phenom II X4 965	4182	996	49.75	\$84.07
AMD Phenom II X4 970	4320	970	29.17	\$148.11*
AMD Phenom II X4 973	3759	1087	NA	NA
AMD Phenom II X4 975	4455	940	31.90	\$139.69*
AMD Phenom II X4 977	3750	1091	NA	NA
AMD Phenom II X4 980	4493	936	19.54	\$229.99*
AMD Phenom II X4 8700e	2377	1519	NA	NA
AMD Phenom II X4 B05e	2792	1374	NA	NA
AMD Phenom II X4 B15e	2736	1397	NA	NA
AMD Phenom II X4 B25	3297	1206	NA	NA
AMD Phenom II X4 B35	3383	1183	NA	NA
AMD Phenom II X4 B40	3361	1188	NA	NA
AMD Phenom II X4 B45	3468	1160	NA	NA
AMD Phenom II X4 B50	3699	1103	NA	NA
AMD Phenom II X4 B55	3855	1059	NA	NA
AMD Phenom II X4 B60	4043	1020	NA	NA
AMD Phenom II X4 B65	4172	998	NA	NA
AMD Phenom II X4 B70	4261	980	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X4 B93	3356	1191	NA	NA
AMD Phenom II X4 B95	3684	1109	50.51	\$72.95*
AMD Phenom II X4 B97	3865	1057	67.82	\$56.99*
AMD Phenom II X4 B99	4130	1007	NA	NA
AMD Phenom II X6 1035T	4643	898	24.57	\$189.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X6 1045T	4797	878	44.42	\$108.01*
AMD Phenom II X6 1055T	4958	847	61.80	\$80.24*
AMD Phenom II X6 1065T	5041	828	NA	NA
AMD Phenom II X6 1075T	5328	779	47.16	\$112.99*
AMD Phenom II X6 1090T	5564	740	14.05	\$396.08*
AMD Phenom II X6 1100T	5709	721	32.17	\$177.49*
AMD Phenom II X6 1405T	5042	827	NA	NA
AMD Phenom II X620 Dual-Core	2189	1597	NA	NA
AMD Phenom II X640 Dual-Core	2021	1663	NA	NA
AMD Phenom II X920 Quad-Core	2650	1419	NA	NA
AMD Phenom II X940 Quad-Core	2695	1406	NA	NA
AMD Phenom Ultra X4 24500	3945	1045	NA	NA
AMD Phenom X2 Dual-Core GE-4060	1697	1824	NA	NA
AMD Phenom X2 Dual-Core GE-5560	2206	1590	NA	NA
AMD Phenom X2 Dual-Core GE-7060	1752	1790	NA	NA
AMD Phenom X2 Dual-Core GP-5000	1180	2091	NA	NA
AMD Phenom X2 Dual-Core GP-7730	1435	1952	NA	NA
AMD Phenom X3 8550	1927	1705	11.34	\$169.95*
AMD Phenom X4 Quad-Core GP-9500	1757	1784	NA	NA
AMD Phenom X4 Quad-Core GP-9530	1994	1672	NA	NA
AMD Phenom X4 Quad-Core GP-9600	2235	1580	NA	NA
AMD Phenom X4 Quad-Core GP-9730	2897	1345	NA	NA
AMD Phenom X4 Quad-Core GP-9830	2715	1402	NA	NA
AMD Phenom X4 Quad-Core GP-9930	2690	1408	NA	NA
AMD Phenom X4 Quad-Core GS-5560	1211	2074	NA	NA
AMD PRO A4-3350B APU	2274	1560	NA	NA
AMD PRO A4-8350B	2776	1380	NA	NA
AMD PRO A6-7350B	2759	1388	NA	NA
AMD PRO A6-8500B	2516	1469	NA	NA
AMD PRO A6-8530B	2388	1513	NA	NA
AMD PRO A6-8550B	2970	1313	NA	NA
AMD PRO A6-8570	3049	1289	NA	NA
AMD PRO A6-8570E	2824	1363	NA	NA
AMD PRO A6-9500	2950	1318	39.88	\$74.00*
AMD PRO A6-9500B	2076	1643	NA	NA
AMD PRO A6-9500E	2760	1387	37.30	\$74.00*
AMD PRO A8-8600B	3520	1147	NA	NA
AMD PRO A8-8650B	5266	785	NA	NA
AMD PRO A8-8670E	5015	832	NA	NA
AMD PRO A8-9600	5277	784	44.35	\$119.00*
AMD PRO A8-9600B	3964	1039	NA	NA
AMD PRO A10-8700B	3553	1137	NA	NA
AMD PRO A10-8730B	3971	1036	NA	NA
AMD PRO A10-8750B	5473	750	NA	NA
AMD PRO A10-8770	5707	722	NA	NA
AMD PRO A10-8770E	5035	829	NA	NA
AMD PRO A10-8850B	5852	706	NA	NA
AMD PRO A10-9700	5677	727	33.59	\$169.00*
AMD PRO A10-9700B	4380	956	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD PRO A10-9700E	5066	819	36.45	\$139.00*
AMD PRO A12-8800B	4119	1010	NA	NA
AMD PRO A12-8830B	4315	973	NA	NA
AMD PRO A12-8870	6067	687	NA	NA
AMD PRO A12-8870E	5186	799	NA	NA
AMD PRO A12-9800	6132	678	36.29	\$169.00*
AMD PRO A12-9800B	4124	1009	NA	NA
AMD PRO A12-9800E	4769	881	28.22	\$169.00*
AMD QC-4000	1663	1848	NA	NA
AMD R-260H APU	1576	1892	NA	NA
AMD R-460L APU	1954	1692	NA	NA
AMD R-464L APU	3117	1265	NA	NA
AMD RX-427BB	4351	963	NA	NA
AMD Ryzen 3 1200	6729	621	103.55	\$64.99
AMD Ryzen 3 1300X	7504	540	78.55	\$95.54
AMD Ryzen 3 2200G	7307	567	85.99	\$84.99
AMD Ryzen 3 2200GE	6778	613	NA	NA
AMD Ryzen 3 2200U	4569	916	NA	NA
AMD Ryzen 3 2300U	6151	675	NA	NA
AMD Ryzen 3 2300X	8512	447	NA	NA
AMD Ryzen 3 3200U	4970	843	NA	NA
AMD Ryzen 3 PRO 1200	7069	586	NA	NA
AMD Ryzen 3 PRO 1300	8022	493	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	808	NA	NA
AMD Ryzen 3 PRO 2200G	8042	490	NA	NA
AMD Ryzen 3 PRO 2200GE	7698	523	NA	NA
AMD Ryzen 3 PRO 2300U	7124	582	NA	NA
AMD Ryzen 3 PRO 3300U	7398	556	NA	NA
AMD Ryzen 5 1400	8364	460	57.69	\$144.99
AMD Ryzen 5 1500X	10078	306	70.77	\$142.41
AMD Ryzen 5 1600	12281	221	102.36	\$119.99
AMD Ryzen 5 1600X	13207	193	85.22	\$154.99
AMD Ryzen 5 2400G	9313	374	69.20	\$134.58
AMD Ryzen 5 2400GE	8808	425	NA	NA
AMD Ryzen 5 2500U	7354	562	NA	NA
AMD Ryzen 5 2500X	9663	346	NA	NA
AMD Ryzen 5 2600	13514	188	90.10	\$149.99
AMD Ryzen 5 2600H	7949	501	NA	NA
AMD Ryzen 5 2600X	14372	157	79.90	\$179.89
AMD Ryzen 5 3500U	8360	461	NA	NA
AMD Ryzen 5 3550H	8427	453	NA	NA
AMD Ryzen 5 PRO 1500	10133	299	NA	NA
AMD Ryzen 5 PRO 1600	12213	223	NA	NA
AMD Ryzen 5 PRO 2400G	9985	316	NA	NA
AMD Ryzen 5 PRO 2400GE	8561	446	NA	NA
AMD Ryzen 5 PRO 2500U	8376	459	NA	NA
AMD Ryzen 5 PRO 2600	14221	161	NA	NA
AMD Ryzen 7 1700	13771	179	49.32	\$279.24
AMD Ryzen 7 1700X	14681	148	89.54	\$163.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 7 1800X	15420	133	71.08	\$216.95
AMD Ryzen 7 2700	15025	140	68.61	\$218.99
AMD Ryzen 7 2700U	7361	560	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 7 2700X	16980	92	58.86	\$288.49
AMD Ryzen 7 2800H	8498	448	NA	NA
AMD Ryzen 7 3700U	7415	554	NA	NA
AMD Ryzen 7 3750H	9172	386	NA	NA
AMD Ryzen 7 PRO 1700	14171	164	NA	NA
AMD Ryzen 7 PRO 1700X	15367	136	NA	NA
AMD Ryzen 7 PRO 2700	15714	129	NA	NA
AMD Ryzen 7 PRO 2700U	8859	422	NA	NA
AMD Ryzen 7 PRO 2700X	17161	89	NA	NA
AMD Ryzen 7 PRO 3700U	7674	528	NA	NA
AMD Ryzen Embedded V1202B	4368	959	NA	NA
AMD Ryzen Embedded V1605B	7454	546	NA	NA
AMD Ryzen Embedded V1807B	8604	443	NA	NA
AMD Ryzen Threadripper 1900X	16133	116	55.64	\$289.99
AMD Ryzen Threadripper 1920X	19621	63	53.77	\$364.93
AMD Ryzen Threadripper 1950X	21847	36	43.70	\$499.99
AMD Ryzen Threadripper 2920X	22113	32	44.23	\$499.99
AMD Ryzen Threadripper 2950X	25546	15	34.06	\$749.99
AMD Ryzen Threadripper 2970WX	22029	34	17.91	\$1,229.99
AMD Ryzen Threadripper 2990WX	23240	27	14.37	\$1,617.11
AMD Ryzen Threadripper 2990X	19227	67	NA	NA
AMD Sempron 130	656	2379	26.29	\$24.99*
AMD Sempron 140	738	2340	18.65	\$39.59*
AMD Sempron 145	806	2312	8.49	\$94.92
AMD Sempron 150	707	2353	15.74	\$44.95*
AMD Sempron 200U	267	2744	3.08	\$87.00*
AMD Sempron 210U	391	2590	NA	NA
AMD Sempron 240	2110	1628	36.39	\$58.00
AMD Sempron 2100+	392	2588	NA	NA
AMD Sempron 2200+	281	2728	9.38	\$29.99*
AMD Sempron 2300+	318	2665	7.07	\$45.00*
AMD Sempron 2400+	314	2672	12.10	\$26.00*
AMD Sempron 2500+	335	2648	6.11	\$54.95*
AMD Sempron 2600+	373	2606	10.70	\$34.95
AMD Sempron 2650 APU	947	2236	17.66	\$53.68
AMD Sempron 2800+	383	2594	6.40	\$59.95
AMD Sempron 3000+	408	2561	20.41	\$20.00
AMD Sempron 3100+	452	2515	7.53	\$60.00*
AMD Sempron 3200+	406	2562	3.10	\$131.22*
AMD Sempron 3300+	484	2484	8.07	\$60.00
AMD Sempron 3400+	454	2513	3.47	\$131.22*
AMD Sempron 3500+	379	2597	18.98	\$20.00*
AMD Sempron 3600+	483	2486	40.30	\$12.00*
AMD Sempron 3800+	554	2431	3.62	\$152.92*
AMD Sempron 3850 APU	1715	1810	21.10	\$81.33
AMD Sempron Dual Core 2100	936	2243	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	2201	NA	NA
AMD Sempron Dual Core 2300	982	2209	23.39	\$41.99*
AMD Sempron Dual Core 4700	948	2235	NA	NA
AMD Sempron Dual Core 4900	1081	2152	NA	NA
AMD Sempron LE-250	490	2473	NA	NA
AMD Sempron LE-1100	438	2532	NA	NA
AMD Sempron LE-1150	444	2523	NA	NA
AMD Sempron LE-1200	528	2445	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Sempron LE-1250	541	2437	5.41	\$99.95*
AMD Sempron LE-1300	598	2407	27.22	\$22.00
AMD Sempron LE-1600	535	2442	NA	NA
AMD Sempron LE-1620	635	2389	NA	NA
AMD Sempron LE-1640	759	2330	NA	NA
AMD Sempron M100	563	2427	46.99	\$12.00*
AMD Sempron M120	582	2416	NA	NA
AMD Sempron SI-40	443	2525	36.93	\$12.00*
AMD Sempron SI-42	456	2512	15.22	\$30.01*
AMD Sempron X2 180	1222	2069	17.62	\$69.40*
AMD Sempron X2 190	1512	1922	18.12	\$83.44*
AMD Sempron X2 198 Dual-Core	1413	1964	NA	NA
AMD Turion 64 Mobile MK-36	465	2499	NA	NA
AMD Turion 64 Mobile MK-38	513	2457	NA	NA
AMD Turion 64 Mobile ML-28	390	2591	NA	NA
AMD Turion 64 Mobile ML-30	402	2571	NA	NA
AMD Turion 64 Mobile ML-32	402	2572	NA	NA
AMD Turion 64 Mobile ML-34	425	2548	NA	NA
AMD Turion 64 Mobile ML-37	442	2526	2.25	\$196.50*
AMD Turion 64 Mobile ML-40	522	2451	NA	NA
AMD Turion 64 Mobile ML-42	615	2398	NA	NA
AMD Turion 64 Mobile ML-44	591	2409	NA	NA
AMD Turion 64 Mobile MT-28	419	2550	NA	NA
AMD Turion 64 Mobile MT-30	378	2598	NA	NA
AMD Turion 64 Mobile MT-32	426	2547	NA	NA
AMD Turion 64 Mobile MT-34	429	2543	NA	NA
AMD Turion 64 Mobile MT-37	484	2483	NA	NA
AMD Turion 64 Mobile MT-40	536	2440	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2336	14.95	\$49.99*
AMD Turion 64 X2 Mobile TL-52	763	2326	NA	NA
AMD Turion 64 X2 Mobile TL-56	891	2271	63.89	\$13.95*
AMD Turion 64 X2 Mobile TL-58	946	2238	NA	NA
AMD Turion 64 X2 Mobile TL-60	996	2200	62.48	\$15.95
AMD Turion 64 X2 Mobile TL-62	1087	2146	3.50	\$311.00*
AMD Turion 64 X2 Mobile TL-64	1092	2144	27.72	\$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2118	3.02	\$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2104	12.92	\$90.00*
AMD Turion Dual-Core RM-70	912	2261	36.49	\$25.00*
AMD Turion Dual-Core RM-72	860	2280	22.65	\$38.00*
AMD Turion Dual-Core RM-74	1016	2187	NA	NA
AMD Turion Dual-Core RM-75	977	2211	35.61	\$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	1293	2024	NA	NA
AMD Turion II Dual-Core Mobile M520	1306	2015	18.91	\$69.10*
AMD Turion II Dual-Core Mobile M540	1338	2002	NA	NA
AMD Turion II N530 Dual-Core	1583	1890	52.78	\$30.00*
AMD Turion II N550 Dual-Core	1521	1912	NA	NA
AMD Turion II Neo K625 Dual-Core	975	2213	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2088	NA	NA
AMD Turion II Neo N40L Dual-Core	925	2251	NA	NA
AMD Turion II Neo N54L Dual-Core	1364	1984	NA	NA
AMD Turion II P520 Dual-Core	1359	1989	NA	NA
AMD Turion II P540 Dual-Core	1430	1955	28.65	\$49.95
AMD Turion II P560 Dual-Core	1514	1921	NA	NA
AMD Turion II Ultra Dual-Core Mobile M600	1406	1965	78.96	\$17.81*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion II Ultra Dual-Core Mobile M620	1435	1953	NA	NA
AMD Turion II Ultra Dual-Core Mobile M640	1669	1842	NA	NA
AMD Turion II Ultra Dual-Core Mobile M660	1533	1907	NA	NA
AMD Turion Neo X2 Dual Core L625	813	2308	NA	NA
AMD Turion X2 Dual Core L510	923	2253	NA	NA
AMD Turion X2 Dual Core Mobile RM-70	858	2282	6.48	\$132.56*
AMD Turion X2 Dual Core Mobile RM-76	1059	2161	NA	NA
AMD Turion X2 Dual-Core Mobile RM-70	993	2205	NA	NA
AMD Turion X2 Dual-Core Mobile RM-72	1085	2149	4.84	\$224.26*
AMD Turion X2 Dual-Core Mobile RM-74	1059	2160	43.31	\$24.47*
AMD Turion X2 Dual-Core Mobile RM-75	1137	2120	NA	NA
AMD Turion X2 Dual-Core Mobile RM-77	1149	2112	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-80	1017	2186	16.42	\$62.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-82	1084	2150	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-84	1209	2076	63.72	\$18.99*
AMD Turion X2 Ultra Dual-Core Mobile ZM-85	1234	2061	27.43	\$45.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-86	1297	2022	23.58	\$55.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-87	1232	2065	30.86	\$39.95*
AMD TurionX2 Dual Core Mobile RM-70	997	2198	NA	NA
AMD TurionX2 Dual Core Mobile RM-72	1026	2178	NA	NA
AMD TurionX2 Ultra DualCore Mobile ZM-85	1454	1944	NA	NA
AMD V105	299	2692	NA	NA
AMD V120	623	2396	NA	NA
AMD V140	643	2386	12.88	\$49.95*
AMD V160	677	2370	NA	NA
AMD Z-01	523	2450	NA	NA
AMD Z-60 APU	500	2468	NA	NA
AMD-K6 3D	90	2868	NA	NA
AMD-K6-III	108	2865	NA	NA
AMD-K7	403	2569	NA	NA
Athlon 64 Dual Core 3800+	1234	2062	NA	NA
Athlon 64 Dual Core 4200+	1156	2108	5.64	\$204.95*
Athlon 64 Dual Core 4800+	1370	1981	NA	NA
Athlon 64 Dual Core 5000+	1507	1923	NA	NA
Athlon 64 Dual Core 5400+	1614	1875	NA	NA
Athlon 64 Dual Core 5600+	1548	1901	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Athlon Dual Core 4050e	968	2218	NA	NA
Athlon Dual Core 4450e	1204	2078	NA	NA
Athlon Dual Core 4850e	1327	2006	NA	NA
Celeron Dual-Core Q8300 @ 2.50GHz	2837	1357	NA	NA
Celeron Dual-Core T3000 @ 1.80GHz	1085	2148	NA	NA
Celeron Dual-Core T3100 @ 1.90GHz	1170	2098	NA	NA
Celeron Dual-Core T3300 @ 2.00GHz	1201	2081	NA	NA
Celeron Dual-Core T3500 @ 2.10GHz	1275	2040	NA	NA
Dual-Core AMD Opteron 1220 SE	1206	2077	NA	NA
HP Hexa-Core 2.0GHz	2178	1599	4.32	\$504.27*
Intel 2.80GHz	525	2448	NA	NA
Intel 1300 @ 1.66GHz	857	2284	NA	NA
Intel 1400 @ 1.83GHz	980	2210	NA	NA
Intel 1500 @ 2.00GHz	1024	2180	NA	NA
Intel Atom 230 @ 1.60GHz	307	2679	NA	NA
Intel Atom 330 @ 1.60GHz	587	2413	NA	NA
Intel Atom C2338 @ 1.74GHz	898	2270	NA	NA
Intel Atom C2358 @ 1.74GHz	961	2225	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom C2538 @ 2.40GHz	2085	1639	20.05	\$104.00*
Intel Atom C2550 @ 2.40GHz	2261	1568	NA	NA
Intel Atom C2558 @ 2.40GHz	2169	1601	15.95	\$136.00*
Intel Atom C2750 @ 2.40GHz	3806	1076	16.41	\$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1194	NA	NA
Intel Atom C2758 @ 2.40GHz	3162	1250	14.72	\$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1488	32.73	\$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1460	29.52	\$86.00*
Intel Atom C3858 @ 2.00GHz	4852	866	14.62	\$332.00*
Intel Atom D410 @ 1.66GHz	301	2688	0.47	\$635.99*
Intel Atom D425 @ 1.80GHz	345	2640	0.35	\$992.98*
Intel Atom D510 @ 1.66GHz	657	2378	6.76	\$97.16*
Intel Atom D525 @ 1.80GHz	706	2354	NA	NA
Intel Atom D2500 @ 1.86GHz	403	2567	NA	NA
Intel Atom D2550 @ 1.86GHz	680	2368	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2350	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2293	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2347	NA	NA
Intel Atom E660 @ 1.30GHz	271	2740	5.03	\$54.00*
Intel Atom E680 @ 1.60GHz	346	2637	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2653	1.58	\$209.99
Intel Atom E3825 @ 1.33GHz	579	2418	8.24	\$70.32*
Intel Atom E3826 @ 1.46GHz	489	2474	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2289	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2105	NA	NA
Intel Atom E3845 @ 1.91GHz	1501	1925	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1739	NA	NA
Intel Atom E3950 @ 1.60GHz	1872	1738	NA	NA
Intel Atom K510 @ 1.66GHz	658	2377	NA	NA
Intel Atom N270 @ 1.60GHz	270	2743	NA	NA
Intel Atom N280 @ 1.66GHz	283	2721	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom N435 @ 1.33GHz	261	2751	NA	NA
Intel Atom N450 @ 1.66GHz	295	2700	NA	NA
Intel Atom N455 @ 1.66GHz	283	2719	NA	NA
Intel Atom N470 @ 1.83GHz	318	2664	NA	NA
Intel Atom N475 @ 1.83GHz	314	2670	NA	NA
Intel Atom N550 @ 1.50GHz	524	2449	6.10	\$86.00*
Intel Atom N570 @ 1.66GHz	572	2423	6.66	\$86.00*
Intel Atom N2100 @ 1.60GHz	302	2684	NA	NA
Intel Atom N2600 @ 1.60GHz	526	2446	NA	NA
Intel Atom N2800 @ 1.86GHz	624	2394	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2258	14.32	\$64.00*
Intel Atom T5700 @ 1.70GHz	2039	1655	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2309	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1624	1871	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1193	2084	8.98	\$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1018	2185	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1269	2044	60.45	\$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1693	1829	27.07	\$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1847	1748	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1893	1726	25.72	\$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1892	1727	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2819	4.33	\$45.00*
Intel Atom Z515 @ 1.20GHz	218	2795	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom Z520 @ 1.33GHz	216	2798	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2727	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2634	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2595	NA	NA
Intel Atom Z670 @ 1.50GHz	243	2775	NA	NA
Intel Atom Z2760 @ 1.80GHz	568	2426	NA	NA
Intel Atom Z3735D @ 1.33GHz	914	2259	NA	NA
Intel Atom Z3735E @ 1.33GHz	927	2248	7.93	\$117.00*
Intel Atom Z3735F @ 1.33GHz	908	2266	5.01	\$181.30*
Intel Atom Z3735G @ 1.33GHz	906	2267	NA	NA
Intel Atom Z3736F @ 1.33GHz	919	2257	NA	NA
Intel Atom Z3740 @ 1.33GHz	1061	2159	NA	NA
Intel Atom Z3740D @ 1.33GHz	1025	2179	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2155	35.98	\$30.00*
Intel Atom Z3745D @ 1.33GHz	1034	2174	NA	NA
Intel Atom Z3770 @ 1.46GHz	1245	2059	8.34	\$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2313	NA	NA
Intel Atom Z3775 @ 1.46GHz	1260	2047	36.00	\$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2038	NA	NA
Intel Atom Z3795 @ 1.60GHz	1772	1780	NA	NA
Intel Celeron 1.70GHz	130	2858	NA	NA
Intel Celeron 1.80GHz	136	2855	NA	NA
Intel Celeron 2.00GHz	182	2831	NA	NA
Intel Celeron 2.10GHz	244	2773	NA	NA
Intel Celeron 2.13GHz	208	2806	NA	NA
Intel Celeron 2.20GHz	213	2801	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 2.26GHz	223	2790	NA	NA
Intel Celeron 2.30GHz	227	2787	NA	NA
Intel Celeron 2.40GHz	217	2796	NA	NA
Intel Celeron 2.50GHz	247	2767	NA	NA
Intel Celeron 2.53GHz	245	2771	NA	NA
Intel Celeron 2.60GHz	238	2778	NA	NA
Intel Celeron 2.66GHz	250	2764	NA	NA
Intel Celeron 2.70GHz	245	2772	NA	NA
Intel Celeron 2.80GHz	254	2757	NA	NA
Intel Celeron 2.93GHz	283	2720	NA	NA
Intel Celeron 3.06GHz	284	2716	NA	NA
Intel Celeron 3.20GHz	288	2709	NA	NA
Intel Celeron 3.33GHz	333	2651	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2659	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2661	NA	NA
Intel Celeron 420 @ 1.60GHz	451	2516	11.29	\$39.99*
Intel Celeron 430 @ 1.80GHz	488	2475	9.10	\$53.75
Intel Celeron 440 @ 2.00GHz	548	2432	9.14	\$59.99
Intel Celeron 450 @ 2.20GHz	624	2395	20.82	\$29.99*
Intel Celeron 530 @ 1.73GHz	470	2495	20.47	\$22.99*
Intel Celeron 540 @ 1.86GHz	521	2452	NA	NA
Intel Celeron 550 @ 2.00GHz	517	2454	7.96	\$64.95
Intel Celeron 560 @ 2.13GHz	535	2441	6.70	\$79.95*
Intel Celeron 570 @ 2.26GHz	517	2453	NA	NA
Intel Celeron 600MHz	147	2851	NA	NA
Intel Celeron 723 @ 1.20GHz	405	2565	NA	NA
Intel Celeron 743 @ 1.30GHz	429	2542	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2334	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 807UE @ 1.00GHz	369	2612	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2399	NA	NA
Intel Celeron 847 @ 1.10GHz	934	2244	2.97	\$315.00*
Intel Celeron 847E @ 1.10GHz	1021	2183	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2116	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2096	39.12	\$29.99*
Intel Celeron 877 @ 1.40GHz	1290	2028	NA	NA
Intel Celeron 887 @ 1.50GHz	1278	2037	NA	NA
Intel Celeron 900 @ 2.20GHz	677	2371	23.38	\$28.99
Intel Celeron 925 @ 2.30GHz	688	2364	NA	NA
Intel Celeron 1000M @ 1.80GHz	1677	1835	NA	NA
Intel Celeron 1000MHz	213	2800	NA	NA
Intel Celeron 1005M @ 1.90GHz	1811	1767	NA	NA
Intel Celeron 1007U @ 1.50GHz	1390	1970	7.52	\$184.99*
Intel Celeron 1017U @ 1.60GHz	1521	1911	NA	NA
Intel Celeron 1019Y @ 1.00GHz	946	2239	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1581	NA	NA
Intel Celeron 1037U @ 1.80GHz	1736	1798	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2087	NA	NA
Intel Celeron 1066MHz	259	2753	NA	NA
Intel Celeron 1100MHz	174	2837	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 1133MHz	282	2722	NA	NA
Intel Celeron 1200MHz	244	2774	NA	NA
Intel Celeron 1300MHz	288	2711	NA	NA
Intel Celeron 1333MHz	290	2705	NA	NA
Intel Celeron 1400MHz	302	2685	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1526	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	1877	18.67	\$86.00*
Intel Celeron 2950M @ 2.00GHz	1984	1679	NA	NA
Intel Celeron 2955U @ 1.40GHz	1422	1960	NA	NA
Intel Celeron 2957U @ 1.40GHz	1435	1954	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2130	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1540	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	1887	NA	NA
Intel Celeron 2981U @ 1.60GHz	1522	1910	NA	NA
Intel Celeron 3205U @ 1.50GHz	1499	1928	5.22	\$287.04*
Intel Celeron 3215U @ 1.70GHz	1635	1862	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1821	NA	NA
Intel Celeron 3765U @ 1.90GHz	1990	1675	NA	NA
Intel Celeron 3855U @ 1.60GHz	1680	1834	NA	NA
Intel Celeron 3865U @ 1.80GHz	1898	1721	NA	NA
Intel Celeron 3867U @ 1.80GHz	1843	1752	17.23	\$107.00*
Intel Celeron 3955U @ 2.00GHz	1913	1715	NA	NA
Intel Celeron 3965U @ 2.20GHz	2346	1529	21.93	\$107.00*
Intel Celeron 3965Y @ 1.50GHz	1629	1866	15.23	\$107.00*
Intel Celeron 4205U @ 1.80GHz	1953	1694	18.25	\$107.00*
Intel Celeron @ 1.30GHz	965	2219	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2825	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2306	NA	NA
Intel Celeron B800 @ 1.50GHz	1276	2039	NA	NA
Intel Celeron B810 @ 1.60GHz	1425	1957	NA	NA
Intel Celeron B815 @ 1.60GHz	1366	1982	NA	NA
Intel Celeron B820 @ 1.70GHz	1428	1956	36.35	\$39.29*
Intel Celeron B830 @ 1.80GHz	1515	1920	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron B840 @ 1.90GHz	1719	1807	NA	NA
Intel Celeron D 347 @ 3.06GHz	270	2742	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2686	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2667	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2647	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2566	4.50	\$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2487	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2414	NA	NA
Intel Celeron E1200 @ 1.60GHz	858	2283	7.80	\$109.95*
Intel Celeron E1400 @ 2.00GHz	1046	2167	11.64	\$89.95
Intel Celeron E1500 @ 2.20GHz	1169	2100	59.51	\$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2049	NA	NA
Intel Celeron E3200 @ 2.40GHz	1383	1973	26.62	\$51.99*
Intel Celeron E3300 @ 2.50GHz	1386	1972	21.33	\$64.99
Intel Celeron E3400 @ 2.60GHz	1439	1951	2.36	\$610.00*
Intel Celeron E3500 @ 2.70GHz	1454	1943	36.37	\$39.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron G440 @ 1.60GHz	694	2360	13.90	\$49.99*
Intel Celeron G460 @ 1.80GHz	1035	2173	15.93	\$65.00
Intel Celeron G465 @ 1.90GHz	1064	2158	10.64	\$100.00*
Intel Celeron G470 @ 2.00GHz	1298	2021	NA	NA
Intel Celeron G530 @ 2.40GHz	2132	1614	53.32	\$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1809	NA	NA
Intel Celeron G540 @ 2.50GHz	2195	1595	48.79	\$45.00*
Intel Celeron G540T @ 2.10GHz	2114	1625	NA	NA
Intel Celeron G550 @ 2.60GHz	2290	1550	28.63	\$80.00
Intel Celeron G550T @ 2.20GHz	2063	1647	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1500	60.57	\$40.00*
Intel Celeron G1101 @ 2.27GHz	1667	1845	84.34	\$19.77*
Intel Celeron G1610 @ 2.60GHz	2489	1479	52.97	\$47.00
Intel Celeron G1610T @ 2.30GHz	2286	1552	57.12	\$40.04*
Intel Celeron G1620 @ 2.70GHz	2577	1443	16.78	\$153.59*
Intel Celeron G1620T @ 2.40GHz	2353	1528	56.03	\$42.00*
Intel Celeron G1630 @ 2.80GHz	2493	1477	35.63	\$69.99
Intel Celeron G1820 @ 2.70GHz	2754	1391	30.61	\$89.99
Intel Celeron G1820T @ 2.40GHz	2496	1476	59.44	\$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1615	NA	NA
Intel Celeron G1830 @ 2.80GHz	2544	1457	26.80	\$94.95
Intel Celeron G1840 @ 2.80GHz	2859	1354	48.53	\$58.93
Intel Celeron G1840T @ 2.50GHz	2551	1454	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1335	36.38	\$79.99*
Intel Celeron G3900 @ 2.80GHz	3144	1258	54.46	\$57.74
Intel Celeron G3900E @ 2.40GHz	2679	1411	NA	NA
Intel Celeron G3900T @ 2.60GHz	2925	1330	26.01	\$112.46*
Intel Celeron G3900TE @ 2.30GHz	2591	1437	61.71	\$42.00*
Intel Celeron G3920 @ 2.90GHz	3123	1262	22.31	\$139.99
Intel Celeron G3930 @ 2.90GHz	3038	1291	59.38	\$51.17*
Intel Celeron G3930T @ 2.70GHz	2766	1383	32.17	\$85.99*
Intel Celeron G3950 @ 3.00GHz	3049	1288	42.82	\$71.22*
Intel Celeron G4900 @ 3.10GHz	3270	1210	53.79	\$60.80
Intel Celeron G4900T @ 2.90GHz	3096	1270	NA	NA
Intel Celeron G4920 @ 3.20GHz	3192	1235	47.66	\$66.99
Intel Celeron J1750 @ 2.41GHz	1037	2172	NA	NA
Intel Celeron J1800 @ 2.41GHz	1028	2177	NA	NA
Intel Celeron J1850 @ 1.99GHz	1617	1873	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron J1900 @ 1.99GHz	1839	1756	NA	NA
Intel Celeron J3060 @ 1.60GHz	974	2214	NA	NA
Intel Celeron J3160 @ 1.60GHz	1794	1773	NA	NA
Intel Celeron J3355 @ 2.00GHz	1194	2083	NA	NA
Intel Celeron J3455 @ 1.50GHz	2117	1624	5.72	\$369.99*
Intel Celeron J4005 @ 2.00GHz	1541	1904	10.97	\$140.51*
Intel Celeron J4105 @ 1.50GHz	2633	1423	24.61	\$107.00*
Intel Celeron M 1.00GHz	207	2807	16.60	\$12.49
Intel Celeron M 1.30GHz	316	2666	NA	NA
Intel Celeron M 1.50GHz	343	2642	NA	NA
Intel Celeron M 1.60GHz	364	2621	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron M 1.70GHz	393	2587	NA	NA
Intel Celeron M 360 1.40GHz	328	2655	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2668	NA	NA
Intel Celeron M 420 @ 1.60GHz	339	2644	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2614	NA	NA
Intel Celeron M 440 @ 1.86GHz	397	2578	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2759	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2518	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2540	NA	NA
Intel Celeron M 530 @ 1.73GHz	462	2503	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2436	NA	NA
Intel Celeron M 600MHz	151	2849	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2511	NA	NA
Intel Celeron M 900MHz	204	2809	NA	NA
Intel Celeron M 1200MHz	275	2737	NA	NA
Intel Celeron M 1300MHz	303	2682	NA	NA
Intel Celeron M 1500MHz	333	2652	NA	NA
Intel Celeron M ULV 800MHz	184	2829	NA	NA
Intel Celeron N2805 @ 1.46GHz	461	2508	NA	NA
Intel Celeron N2806 @ 1.60GHz	791	2318	NA	NA
Intel Celeron N2807 @ 1.58GHz	855	2286	NA	NA
Intel Celeron N2808 @ 1.58GHz	908	2265	NA	NA
Intel Celeron N2810 @ 2.00GHz	787	2319	5.62	\$139.99*
Intel Celeron N2815 @ 1.86GHz	852	2288	NA	NA
Intel Celeron N2820 @ 2.13GHz	926	2249	4.41	\$209.99
Intel Celeron N2830 @ 2.16GHz	955	2231	NA	NA
Intel Celeron N2840 @ 2.16GHz	1003	2192	NA	NA
Intel Celeron N2910 @ 1.60GHz	1203	2080	NA	NA
Intel Celeron N2920 @ 1.86GHz	1500	1926	NA	NA
Intel Celeron N2930 @ 1.83GHz	1628	1868	NA	NA
Intel Celeron N2940 @ 1.83GHz	1731	1800	NA	NA
Intel Celeron N3000 @ 1.04GHz	909	2263	NA	NA
Intel Celeron N3010 @ 1.04GHz	964	2220	NA	NA
Intel Celeron N3050 @ 1.60GHz	877	2274	5.60	\$156.62
Intel Celeron N3060 @ 1.60GHz	989	2207	NA	NA
Intel Celeron N3150 @ 1.60GHz	1656	1851	NA	NA
Intel Celeron N3160 @ 1.60GHz	1664	1846	5.37	\$309.88
Intel Celeron N3350 @ 1.10GHz	1110	2129	NA	NA
Intel Celeron N3450 @ 1.10GHz	1843	1753	5.85	\$314.99*
Intel Celeron N4000 @ 1.10GHz	1440	1950	13.46	\$107.00*
Intel Celeron N4100 @ 1.10GHz	2291	1549	21.41	\$107.00*
Intel Celeron P4500 @ 1.87GHz	1119	2122	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2203	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron P4600 @ 2.00GHz	1344	1997	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2323	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2234	47.53	\$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2162	35.29	\$29.99*
Intel Celeron U1900 @ 1.99GHz	1704	1820	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2345	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron U3405 @ 1.07GHz	684	2365	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2311	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1051	2165	6.58	\$159.95*
Intel Core2 Duo E4400 @ 2.00GHz	1157	2107	23.15	\$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1271	2041	17.84	\$71.25*
Intel Core2 Duo E4600 @ 2.40GHz	1383	1974	8.76	\$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	1935	54.88	\$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1109	2132	85.39	\$12.99*
Intel Core2 Duo E6320 @ 1.86GHz	1185	2089	23.72	\$49.99*
Intel Core2 Duo E6400 @ 2.13GHz	1289	2029	43.07	\$29.95*
Intel Core2 Duo E6420 @ 2.13GHz	1360	1987	27.21	\$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1451	1946	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1498	1929	100.26	\$14.95*
Intel Core2 Duo E6600 @ 2.40GHz	1553	1900	103.66	\$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1693	1828	56.47	\$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1715	1811	166.53	\$10.30*
Intel Core2 Duo E6850 @ 3.00GHz	1946	1696	38.95	\$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1629	1867	33.25	\$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1725	1803	43.26	\$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1771	1781	61.10	\$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1874	1735	125.06	\$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1966	1688	16.40	\$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1580	1891	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1746	1791	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1883	1734	37.68	\$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1691	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1527	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1991	1674	99.61	\$19.99*
Intel Core2 Duo E8335 @ 2.66GHz	1846	1749	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1619	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2149	1608	47.24	\$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2127	1620	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2282	1556	57.07	\$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2399	1510	56.54	\$42.45*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1589	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2328	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2366	NA	NA
Intel Core2 Duo L7300 @ 1.40GHz	825	2302	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2290	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	958	2228	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	973	2215	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2123	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1074	2157	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1345	1996	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1291	2026	64.59	\$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1298	2020	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1417	1962	35.46	\$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2241	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo P7550 @ 2.26GHz	1518	1916	6.60	\$229.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo P7570 @ 2.26GHz	1452	1945	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2182	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1454	1942	4.90	\$297.01*
Intel Core2 Duo P8600 @ 2.40GHz	1536	1906	31.23	\$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1624	1870	42.76	\$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1741	1795	30.57	\$56.99*
Intel Core2 Duo P9300 @ 2.26GHz	1564	1897	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1753	1788	1.75	\$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1745	1792	17.63	\$99.00*
Intel Core2 Duo P9600 @ 2.66GHz	1865	1742	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2015	1665	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2412	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1251	2054	4.95	\$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1675	1837	5.90	\$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	929	2246	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	832	2297	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	838	2296	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2307	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	932	2245	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	913	2260	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2264	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	923	2254	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1044	2169	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2176	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2204	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1093	2143	109.45	\$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2126	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1199	2082	75.46	\$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1148	2114	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1211	2075	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1226	2067	81.80	\$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1286	2032	85.82	\$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1258	2048	32.69	\$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1361	1986	72.05	\$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1360	1988	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1018	2184	46.32	\$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1167	2101	11.69	\$99.95
Intel Core2 Duo T7250 @ 2.00GHz	1115	2125	5.54	\$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1192	2085	38.49	\$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1248	2057	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1270	2043	29.55	\$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1379	1978	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1423	1959	10.17	\$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1597	1885	2.63	\$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1296	2023	1.30	\$999.99*
Intel Core2 Duo T8300 @ 2.40GHz	1472	1937	13.52	\$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1673	1838	28.85	\$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1738	1796	24.86	\$69.95*
Intel Core2 Duo T9500 @ 2.60GHz	1798	1771	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo T9550 @ 2.66GHz	1805	1769	6.04	\$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1928	1704	21.43	\$89.95*



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo T9800 @ 2.93GHz	2020	1664	4.77	\$423.89*
Intel Core2 Duo T9900 @ 3.06GHz	2131	1616	5.34	\$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	874	2276	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2410	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	668	2373	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2359	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	859	2281	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1128	2121	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1830	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1113	3.25	\$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3634	1117	2.43	\$1,495.95*
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1163	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1873	1737	7.11	\$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1770	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	2004	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1681	1832	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1896	1723	4.63	\$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2068	1645	2.43	\$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4156	1001	4.83	\$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	933	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4614	907	2.87	\$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	897	2.57	\$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2949	1319	73.77	\$39.98*
Intel Core2 Quad Q6700 @ 2.66GHz	3282	1209	72.97	\$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2811	1370	122.29	\$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2980	1307	59.62	\$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3161	1251	13.18	\$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2524	1462	6.49	\$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1221	8.40	\$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3159	1253	15.84	\$199.50*
Intel Core2 Quad Q9400 @ 2.66GHz	3340	1197	69.58	\$48.01*
Intel Core2 Quad Q9450 @ 2.66GHz	3758	1089	105.27	\$35.70*
Intel Core2 Quad Q9500 @ 2.83GHz	3525	1144	100.75	\$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3556	1135	18.72	\$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3963	1040	89.09	\$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4160	1000	37.84	\$109.95
Intel Core2 Quad Q9705 @ 3.16GHz	3947	1043	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2625	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2675	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2552	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	464	2500	NA	NA
Intel Core 330 @ 1.60GHz	643	2385	NA	NA
Intel Core 860 @ 2.80GHz	4555	919	14.74	\$309.00*
Intel Core Duo L2300 @ 1.50GHz	719	2348	NA	NA
Intel Core Duo L2400 @ 1.66GHz	705	2356	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2335	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2362	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core Duo T2250 @ 1.73GHz	756	2332	NA	NA
Intel Core Duo T2300 @ 1.66GHz	727	2343	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2327	NA	NA
Intel Core Duo T2400 @ 1.83GHz	795	2314	49.70	\$16.00*
Intel Core Duo T2450 @ 2.00GHz	825	2301	NA	NA
Intel Core Duo T2500 @ 2.00GHz	867	2278	7.23	\$119.99*
Intel Core Duo T2600 @ 2.16GHz	944	2242	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core Duo T2700 @ 2.33GHz	1024	2181	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2434	NA	NA
Intel Core Duo U2500 @ 1.20GHz	511	2460	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1702	NA	NA
Intel Core i3-330M @ 2.13GHz	1787	1776	11.17	\$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2156	NA	NA
Intel Core i3-350M @ 2.27GHz	1892	1728	17.37	\$108.95*
Intel Core i3-370M @ 2.40GHz	2014	1666	50.42	\$39.96*
Intel Core i3-380M @ 2.53GHz	2092	1635	9.97	\$209.95*
Intel Core i3-380UM @ 1.33GHz	1160	2106	NA	NA
Intel Core i3-390M @ 2.67GHz	2183	1598	56.06	\$38.95*
Intel Core i3-530 @ 2.93GHz	2566	1448	13.58	\$189.00*
Intel Core i3-540 @ 3.07GHz	2688	1409	23.67	\$113.55
Intel Core i3-550 @ 3.20GHz	2829	1360	16.10	\$175.74
Intel Core i3-560 @ 3.33GHz	2934	1324	16.31	\$179.95*
Intel Core i3-2100 @ 3.10GHz	3689	1108	67.09	\$54.99
Intel Core i3-2100T @ 2.50GHz	2962	1316	49.39	\$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1095	64.41	\$58.00*
Intel Core i3-2105 @ 3.10GHz	3710	1100	32.27	\$114.99*
Intel Core i3-2120 @ 3.30GHz	3929	1048	56.14	\$69.99
Intel Core i3-2120T @ 2.60GHz	3164	1249	19.78	\$160.00*
Intel Core i3-2125 @ 3.30GHz	4005	1027	19.35	\$207.00*
Intel Core i3-2130 @ 3.40GHz	4071	1016	35.40	\$114.99
Intel Core i3-2140 @ 3.50GHz	4325	969	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1356	12.62	\$225.00*
Intel Core i3-2310M @ 2.10GHz	2431	1497	54.06	\$44.99
Intel Core i3-2312M @ 2.10GHz	2374	1520	NA	NA
Intel Core i3-2328M @ 2.20GHz	2545	1455	27.38	\$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1278	NA	NA
Intel Core i3-2330M @ 2.20GHz	2524	1461	50.55	\$49.95
Intel Core i3-2332M @ 2.20GHz	2382	1516	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1806	NA	NA
Intel Core i3-2348M @ 2.30GHz	2617	1427	NA	NA
Intel Core i3-2350M @ 2.30GHz	2627	1425	18.77	\$139.95*
Intel Core i3-2357M @ 1.30GHz	1556	1899	NA	NA
Intel Core i3-2365M @ 1.40GHz	1676	1836	NA	NA
Intel Core i3-2367M @ 1.40GHz	1707	1817	NA	NA
Intel Core i3-2370M @ 2.40GHz	2777	1379	69.77	\$39.81*
Intel Core i3-2375M @ 1.50GHz	1774	1779	NA	NA
Intel Core i3-2377M @ 1.50GHz	1828	1762	NA	NA
Intel Core i3-3110M @ 2.40GHz	3082	1275	38.56	\$79.95*
Intel Core i3-3120M @ 2.50GHz	3223	1226	29.30	\$110.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-3130M @ 2.60GHz	3390	1181	NA	NA
Intel Core i3-3210 @ 3.20GHz	4040	1021	13.79	\$293.00
Intel Core i3-3217U @ 1.80GHz	2302	1546	10.01	\$229.99*
Intel Core i3-3217UE @ 1.60GHz	2162	1604	NA	NA
Intel Core i3-3220 @ 3.30GHz	4244	983	53.72	\$79.00
Intel Core i3-3220T @ 2.80GHz	3692	1106	27.35	\$135.00
Intel Core i3-3225 @ 3.30GHz	4343	965	13.37	\$324.99
Intel Core i3-3227U @ 1.90GHz	2467	1486	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1823	NA	NA
Intel Core i3-3240 @ 3.40GHz	4316	972	86.33	\$50.00
Intel Core i3-3240T @ 2.90GHz	3653	1115	NA	NA
Intel Core i3-3245 @ 3.40GHz	4444	944	24.83	\$179.01

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-3250 @ 3.50GHz	4447	941	46.82	\$94.99*
Intel Core i3-3250T @ 3.00GHz	3614	1119	NA	NA
Intel Core i3-4000M @ 2.40GHz	3255	1215	16.28	\$199.95*
Intel Core i3-4005U @ 1.70GHz	2444	1493	NA	NA
Intel Core i3-4010U @ 1.70GHz	2439	1494	8.44	\$289.00
Intel Core i3-4010Y @ 1.30GHz	1900	1720	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2163	1603	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2213	1588	NA	NA
Intel Core i3-4025U @ 1.90GHz	2787	1377	NA	NA
Intel Core i3-4030U @ 1.90GHz	2719	1401	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1472	NA	NA
Intel Core i3-4100M @ 2.50GHz	3426	1169	15.68	\$218.57*
Intel Core i3-4110M @ 2.60GHz	3873	1054	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1343	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1287	NA	NA
Intel Core i3-4130 @ 3.40GHz	4803	875	53.37	\$90.00
Intel Core i3-4130T @ 2.90GHz	4144	1004	46.57	\$88.99*
Intel Core i3-4150 @ 3.50GHz	4896	857	49.46	\$99.00
Intel Core i3-4150T @ 3.00GHz	4222	988	18.36	\$229.95*
Intel Core i3-4158U @ 2.00GHz	2914	1332	NA	NA
Intel Core i3-4160 @ 3.60GHz	5051	822	46.34	\$109.00
Intel Core i3-4160T @ 3.10GHz	4445	942	29.64	\$149.99*
Intel Core i3-4170 @ 3.70GHz	5190	797	19.97	\$259.95
Intel Core i3-4170T @ 3.20GHz	4545	924	21.65	\$209.95*
Intel Core i3-4330 @ 3.50GHz	5083	811	32.52	\$156.33
Intel Core i3-4330T @ 3.00GHz	4485	937	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1231	NA	NA
Intel Core i3-4340 @ 3.60GHz	5242	791	27.60	\$189.99
Intel Core i3-4350 @ 3.60GHz	4990	837	29.36	\$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	975	NA	NA
Intel Core i3-4360 @ 3.70GHz	5461	757	21.09	\$259.00
Intel Core i3-4360T @ 3.20GHz	4636	902	NA	NA
Intel Core i3-4370 @ 3.80GHz	5613	737	18.17	\$309.00*
Intel Core i3-4370T @ 3.30GHz	4870	859	35.29	\$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	850	NA	NA
Intel Core i3-5005U @ 2.00GHz	2908	1336	NA	NA
Intel Core i3-5010U @ 2.10GHz	3055	1284	9.05	\$337.76*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-5015U @ 2.10GHz	3006	1301	NA	NA
Intel Core i3-5020U @ 2.20GHz	3197	1233	6.97	\$459.00*
Intel Core i3-5157U @ 2.50GHz	3663	1112	NA	NA
Intel Core i3-6006U @ 2.00GHz	3084	1274	NA	NA
Intel Core i3-6098P @ 3.60GHz	5408	763	40.44	\$133.74*
Intel Core i3-6100 @ 3.70GHz	5483	749	44.22	\$124.00
Intel Core i3-6100E @ 2.70GHz	3769	1083	NA	NA
Intel Core i3-6100H @ 2.70GHz	4222	987	NA	NA
Intel Core i3-6100T @ 3.20GHz	4850	867	35.94	\$134.99*
Intel Core i3-6100TE @ 2.70GHz	4304	974	NA	NA
Intel Core i3-6100U @ 2.30GHz	3603	1122	7.00	\$515.00*
Intel Core i3-6157U @ 2.40GHz	3835	1066	NA	NA
Intel Core i3-6300 @ 3.80GHz	5846	708	32.37	\$180.62
Intel Core i3-6300T @ 3.30GHz	5247	790	33.86	\$154.99*
Intel Core i3-6320 @ 3.90GHz	6047	689	13.81	\$438.00
Intel Core i3-7020U @ 2.30GHz	3516	1148	12.52	\$281.00*
Intel Core i3-7100 @ 3.90GHz	5786	714	37.09	\$156.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-7100H @ 3.00GHz	4667	893	20.75	\$225.00*
Intel Core i3-7100T @ 3.40GHz	5048	824	35.29	\$143.07
Intel Core i3-7100U @ 2.40GHz	3770	1082	9.91	\$380.64*
Intel Core i3-7101TE @ 3.40GHz	5189	798	44.36	\$117.00*
Intel Core i3-7102E @ 2.10GHz	3266	1211	14.52	\$225.00*
Intel Core i3-7130U @ 2.70GHz	4058	1018	14.44	\$281.00*
Intel Core i3-7167U @ 2.80GHz	4757	882	NA	NA
Intel Core i3-7300 @ 4.00GHz	6360	658	37.02	\$171.84*
Intel Core i3-7300T @ 3.50GHz	5369	770	29.57	\$181.59*
Intel Core i3-7320 @ 4.10GHz	6417	650	35.12	\$182.72*
Intel Core i3-7350K @ 4.20GHz	6620	632	38.27	\$172.99
Intel Core i3-8100 @ 3.60GHz	8035	491	54.52	\$147.39
Intel Core i3-8100B @ 3.60GHz	8473	449	63.71	\$133.00*
Intel Core i3-8100T @ 3.10GHz	7382	558	53.11	\$139.00
Intel Core i3-8109U @ 3.00GHz	6184	671	NA	NA
Intel Core i3-8121U @ 2.20GHz	4802	877	NA	NA
Intel Core i3-8130U @ 2.20GHz	5043	826	17.95	\$281.00*
Intel Core i3-8145U @ 2.10GHz	5420	759	19.29	\$281.00*
Intel Core i3-8300 @ 3.70GHz	8693	436	45.65	\$190.43
Intel Core i3-8300T @ 3.20GHz	8032	492	47.11	\$170.49*
Intel Core i3-8350K @ 4.00GHz	9213	383	49.80	\$184.99
Intel Core i3-9100F @ 3.60GHz	9005	406	90.06	\$99.99
Intel Core i3-9350KF @ 4.00GHz	10458	280	46.85	\$223.21
Intel Core i3-21050 @ 3.10GHz	3862	1058	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1594	21.97	\$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1481	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3599	1123	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3810	1075	NA	NA
Intel Core i5-430M @ 2.27GHz	2096	1633	14.98	\$139.95*
Intel Core i5-430UM @ 1.20GHz	1341	2000	NA	NA
Intel Core i5-450M @ 2.40GHz	2125	1621	66.53	\$31.95*
Intel Core i5-460M @ 2.53GHz	2323	1534	31.00	\$74.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-470UM @ 1.33GHz	1081	2153	NA	NA
Intel Core i5-480M @ 2.67GHz	2403	1507	29.82	\$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1575	NA	NA
Intel Core i5-520M @ 2.40GHz	2369	1522	33.86	\$69.99
Intel Core i5-520UM @ 1.07GHz	1351	1992	NA	NA
Intel Core i5-540M @ 2.53GHz	2454	1489	12.92	\$189.95
Intel Core i5-540UM @ 1.20GHz	1375	1980	NA	NA
Intel Core i5-560M @ 2.67GHz	2578	1441	42.98	\$60.00*
Intel Core i5-560UM @ 1.33GHz	1664	1847	NA	NA
Intel Core i5-580M @ 2.67GHz	2595	1434	23.61	\$109.95*
Intel Core i5-650 @ 3.20GHz	3098	1269	13.77	\$224.95
Intel Core i5-655K @ 3.20GHz	3395	1179	56.60	\$59.99*
Intel Core i5-660 @ 3.33GHz	3255	1214	9.30	\$349.95*
Intel Core i5-661 @ 3.33GHz	3186	1237	31.86	\$99.99*
Intel Core i5-670 @ 3.47GHz	3313	1202	36.83	\$89.99*
Intel Core i5-680 @ 3.60GHz	3509	1150	38.99	\$89.99*
Intel Core i5-750 @ 2.67GHz	3691	1107	39.89	\$92.55*
Intel Core i5-760 @ 2.80GHz	3886	1053	43.19	\$89.99*
Intel Core i5-2300 @ 2.80GHz	5360	773	67.02	\$79.99*
Intel Core i5-2310 @ 2.90GHz	5539	744	29.73	\$186.33*
Intel Core i5-2320 @ 3.00GHz	5768	717	36.05	\$160.00*
Intel Core i5-2380P @ 3.10GHz	5749	719	31.94	\$180.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-2390T @ 2.70GHz	4226	985	42.31	\$99.90*
Intel Core i5-2400 @ 3.10GHz	5968	693	93.25	\$64.00
Intel Core i5-2400S @ 2.50GHz	4986	839	27.40	\$182.00
Intel Core i5-2405S @ 2.50GHz	5082	813	24.44	\$208.00*
Intel Core i5-2410M @ 2.30GHz	3167	1247	40.57	\$78.07*
Intel Core i5-2415M @ 2.30GHz	3299	1205	NA	NA
Intel Core i5-2430M @ 2.40GHz	3285	1208	36.87	\$89.11*
Intel Core i5-2435M @ 2.40GHz	3227	1224	NA	NA
Intel Core i5-2450M @ 2.50GHz	3400	1174	38.63	\$88.02*
Intel Core i5-2450P @ 3.20GHz	6132	679	68.14	\$89.99*
Intel Core i5-2467M @ 1.60GHz	2320	1536	NA	NA
Intel Core i5-2500 @ 3.30GHz	6342	659	115.33	\$55.00
Intel Core i5-2500K @ 3.30GHz	6478	643	14.92	\$434.26*
Intel Core i5-2500S @ 2.70GHz	5368	771	71.59	\$74.99*
Intel Core i5-2500T @ 2.30GHz	4639	900	NA	NA
Intel Core i5-2510E @ 2.50GHz	3483	1156	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1203	NA	NA
Intel Core i5-2520M @ 2.50GHz	3594	1125	21.19	\$169.60*
Intel Core i5-2537M @ 1.40GHz	2094	1634	NA	NA
Intel Core i5-2540M @ 2.60GHz	3785	1079	65.24	\$58.02*
Intel Core i5-2550K @ 3.40GHz	6668	627	35.10	\$190.00
Intel Core i5-2557M @ 1.70GHz	2693	1407	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1090	NA	NA
Intel Core i5-3210M @ 2.50GHz	3827	1069	51.71	\$74.02*
Intel Core i5-3230M @ 2.60GHz	3940	1047	17.38	\$226.77*
Intel Core i5-3317U @ 1.70GHz	3091	1271	13.74	\$225.00*
Intel Core i5-3320M @ 2.60GHz	4128	1008	39.66	\$104.10*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-3330 @ 3.00GHz	5945	696	20.96	\$283.67*
Intel Core i5-3330S @ 2.70GHz	5683	725	59.83	\$94.99*
Intel Core i5-3335S @ 2.70GHz	5788	713	NA	NA
Intel Core i5-3337U @ 1.80GHz	3229	1223	14.35	\$225.00*
Intel Core i5-3339Y @ 1.50GHz	2215	1587	NA	NA
Intel Core i5-3340 @ 3.10GHz	6099	683	20.82	\$293.01*
Intel Core i5-3340M @ 2.70GHz	4246	982	53.11	\$79.95*
Intel Core i5-3340S @ 2.80GHz	5846	707	38.98	\$149.99*
Intel Core i5-3350P @ 3.10GHz	6149	676	41.00	\$149.99*
Intel Core i5-3360M @ 2.80GHz	4437	946	47.81	\$92.81*
Intel Core i5-3380M @ 2.90GHz	4438	945	NA	NA
Intel Core i5-3427U @ 1.80GHz	3549	1139	8.45	\$420.05*
Intel Core i5-3437U @ 1.90GHz	3640	1116	NA	NA
Intel Core i5-3439Y @ 1.50GHz	2930	1328	NA	NA
Intel Core i5-3450 @ 3.10GHz	6538	639	25.78	\$253.59*
Intel Core i5-3450S @ 2.80GHz	6223	666	41.77	\$149.00*
Intel Core i5-3470 @ 3.20GHz	6716	623	75.47	\$89.00
Intel Core i5-3470S @ 2.90GHz	6370	656	47.38	\$134.46
Intel Core i5-3470T @ 2.90GHz	4482	938	14.51	\$308.95*
Intel Core i5-3475S @ 2.90GHz	6609	633	46.06	\$143.50*
Intel Core i5-3550 @ 3.30GHz	6956	595	46.38	\$149.99*
Intel Core i5-3550S @ 3.00GHz	6910	603	20.95	\$329.95
Intel Core i5-3570 @ 3.40GHz	7130	580	75.06	\$94.99
Intel Core i5-3570K @ 3.40GHz	7176	577	21.11	\$339.99
Intel Core i5-3570S @ 3.10GHz	6746	619	23.67	\$285.00*
Intel Core i5-3570T @ 2.30GHz	5901	700	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3898	1052	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4200H @ 2.80GHz	4445	943	NA	NA
Intel Core i5-4200M @ 2.50GHz	4036	1022	49.76	\$81.12*
Intel Core i5-4200U @ 1.60GHz	3293	1207	NA	NA
Intel Core i5-4200Y @ 1.40GHz	2407	1506	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2265	1566	NA	NA
Intel Core i5-4210H @ 2.90GHz	4530	928	NA	NA
Intel Core i5-4210M @ 2.60GHz	4197	992	13.54	\$309.95*
Intel Core i5-4210U @ 1.70GHz	3404	1173	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2378	1518	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1542	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1342	NA	NA
Intel Core i5-4250U @ 1.30GHz	3452	1164	9.62	\$359.00*
Intel Core i5-4258U @ 2.40GHz	4082	1014	NA	NA
Intel Core i5-4260U @ 1.40GHz	3571	1132	NA	NA
Intel Core i5-4278U @ 2.60GHz	4367	960	NA	NA
Intel Core i5-4288U @ 2.60GHz	4301	976	NA	NA
Intel Core i5-4300M @ 2.60GHz	4434	948	NA	NA
Intel Core i5-4300U @ 1.90GHz	3743	1093	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2502	1474	NA	NA
Intel Core i5-4302Y @ 1.60GHz	2971	1311	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	989	NA	NA
Intel Core i5-4310M @ 2.70GHz	4640	899	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4310U @ 2.00GHz	3759	1088	NA	NA
Intel Core i5-4330M @ 2.80GHz	4547	923	16.54	\$274.99*
Intel Core i5-4340M @ 2.90GHz	4853	865	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1120	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	922	17.10	\$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1044	NA	NA
Intel Core i5-4422E @ 1.80GHz	2806	1372	10.55	\$266.00*
Intel Core i5-4430 @ 3.00GHz	6336	660	39.61	\$159.99*
Intel Core i5-4430S @ 2.70GHz	5958	695	37.24	\$159.99*
Intel Core i5-4440 @ 3.10GHz	6512	641	13.10	\$497.00*
Intel Core i5-4440S @ 2.80GHz	6245	665	13.49	\$462.97*
Intel Core i5-4460 @ 3.20GHz	6717	622	35.36	\$189.99
Intel Core i5-4460S @ 2.90GHz	6418	649	9.73	\$659.99*
Intel Core i5-4460T @ 1.90GHz	4960	846	NA	NA
Intel Core i5-4570 @ 3.20GHz	7149	579	61.78	\$115.72
Intel Core i5-4570R @ 2.70GHz	6756	617	NA	NA
Intel Core i5-4570S @ 2.90GHz	6826	608	35.64	\$191.56
Intel Core i5-4570T @ 2.90GHz	4814	869	22.93	\$209.95
Intel Core i5-4570TE @ 2.70GHz	3827	1068	19.14	\$199.99*
Intel Core i5-4590 @ 3.30GHz	7332	564	52.75	\$139.00
Intel Core i5-4590S @ 3.00GHz	7066	587	36.60	\$193.06
Intel Core i5-4590T @ 2.00GHz	5622	733	26.78	\$209.95*
Intel Core i5-4670 @ 3.40GHz	7459	543	19.63	\$379.95
Intel Core i5-4670K @ 3.40GHz	7633	532	31.81	\$239.95
Intel Core i5-4670K CPT @ 3.40GHz	7411	555	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	553	26.88	\$276.00*
Intel Core i5-4670S @ 3.10GHz	7361	561	34.56	\$213.00*
Intel Core i5-4670T @ 2.30GHz	6168	674	23.81	\$259.02*
Intel Core i5-4690 @ 3.50GHz	7681	525	49.56	\$154.99
Intel Core i5-4690K @ 3.50GHz	7795	513	26.38	\$295.49
Intel Core i5-4690S @ 3.20GHz	7426	550	26.42	\$281.06*
Intel Core i5-4690T @ 2.50GHz	6544	638	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-5200U @ 2.20GHz	3487	1155	NA	NA
Intel Core i5-5250U @ 1.60GHz	3586	1127	8.12	\$441.89*
Intel Core i5-5257U @ 2.70GHz	4409	952	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	890	NA	NA
Intel Core i5-5300U @ 2.30GHz	3823	1070	7.41	\$515.73*
Intel Core i5-5350U @ 1.80GHz	3512	1149	NA	NA
Intel Core i5-5575R @ 2.80GHz	7484	542	NA	NA
Intel Core i5-5675C @ 3.10GHz	8191	475	26.43	\$309.95*
Intel Core i5-5675R @ 3.10GHz	8054	489	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4147	1002	NA	NA
Intel Core i5-6200U @ 2.30GHz	4021	1023	NA	NA
Intel Core i5-6260U @ 1.80GHz	4361	961	8.40	\$518.99*
Intel Core i5-6267U @ 2.90GHz	4962	845	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	884	15.63	\$304.00*
Intel Core i5-6300HQ @ 2.30GHz	6089	686	NA	NA
Intel Core i5-6300U @ 2.40GHz	4370	957	NA	NA
Intel Core i5-6360U @ 2.00GHz	4880	858	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-6400 @ 2.70GHz	6766	614	19.90	\$340.03
Intel Core i5-6400T @ 2.20GHz	5614	736	21.60	\$259.95*
Intel Core i5-6402P @ 2.80GHz	7115	583	37.45	\$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6223	667	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6798	610	NA	NA
Intel Core i5-6500 @ 3.20GHz	7248	571	40.27	\$179.99
Intel Core i5-6500T @ 2.50GHz	6288	662	41.93	\$149.99*
Intel Core i5-6500TE @ 2.30GHz	6579	635	31.33	\$209.99*
Intel Core i5-6600 @ 3.30GHz	7774	517	29.91	\$259.94*
Intel Core i5-6600K @ 3.50GHz	8064	487	30.65	\$263.11*
Intel Core i5-6600T @ 2.70GHz	7342	563	24.48	\$299.95
Intel Core i5-7200U @ 2.50GHz	4606	910	NA	NA
Intel Core i5-7260U @ 2.20GHz	5675	728	7.59	\$748.00
Intel Core i5-7267U @ 3.10GHz	4976	841	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	732	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6785	611	NA	NA
Intel Core i5-7300U @ 2.60GHz	5186	800	10.04	\$516.41
Intel Core i5-7360U @ 2.30GHz	5845	710	NA	NA
Intel Core i5-7400 @ 3.00GHz	7327	565	33.71	\$217.36
Intel Core i5-7400T @ 2.40GHz	6406	651	28.87	\$221.90
Intel Core i5-7440HQ @ 2.80GHz	7659	530	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	6262	664	25.05	\$250.00*
Intel Core i5-7500 @ 3.40GHz	8021	494	40.11	\$199.99
Intel Core i5-7500T @ 2.70GHz	7018	590	31.33	\$223.99
Intel Core i5-7600 @ 3.50GHz	8722	432	35.75	\$243.99
Intel Core i5-7600K @ 3.80GHz	9117	392	33.73	\$270.32
Intel Core i5-7600T @ 2.80GHz	8077	485	30.39	\$265.83
Intel Core i5-7640X @ 4.00GHz	9545	352	27.28	\$349.84
Intel Core i5-8200Y @ 1.30GHz	4206	991	14.46	\$291.00*
Intel Core i5-8210Y @ 1.60GHz	4141	1005	NA	NA
Intel Core i5-8250U @ 1.60GHz	7679	527	NA	NA
Intel Core i5-8259U @ 2.30GHz	11010	254	16.46	\$669.00
Intel Core i5-8265U @ 1.60GHz	8020	495	27.00	\$297.00*
Intel Core i5-8300H @ 2.30GHz	9491	356	37.97	\$250.00*
Intel Core i5-8305G @ 2.80GHz	8947	415	NA	NA
Intel Core i5-8350U @ 1.70GHz	8246	468	27.76	\$297.00*
Intel Core i5-8365U @ 1.60GHz	8385	458	28.23	\$297.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8400 @ 2.80GHz	11641	237	55.73	\$208.90
Intel Core i5-8400H @ 2.50GHz	10138	297	40.55	\$250.00*
Intel Core i5-8400T @ 1.70GHz	9555	351	45.72	\$209.00
Intel Core i5-8500 @ 3.00GHz	11925	230	42.18	\$282.71
Intel Core i5-8500B @ 3.00GHz	12756	205	66.44	\$192.00*
Intel Core i5-8500T @ 2.10GHz	9990	313	46.74	\$213.73
Intel Core i5-8600 @ 3.10GHz	12665	211	45.69	\$277.21*
Intel Core i5-8600K @ 3.60GHz	12765	204	40.79	\$312.92*
Intel Core i5-8600T @ 2.30GHz	10875	261	31.06	\$350.12*
Intel Core i5-9300H @ 2.40GHz	9339	371	37.36	\$250.00*
Intel Core i5-9400 @ 2.90GHz	11897	231	61.01	\$194.99
Intel Core i5-9400F @ 2.90GHz	12153	225	81.03	\$149.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-9500 @ 3.00GHz	12673	210	62.74	\$202.00*
Intel Core i5-9500T @ 2.20GHz	11211	244	58.39	\$192.00*
Intel Core i5-9600K @ 3.70GHz	13510	190	61.41	\$219.99
Intel Core i5-9600KF @ 3.70GHz	13921	170	55.69	\$249.99
Intel Core i5-24050S @ 2.50GHz	4928	851	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3736	1094	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1686	NA	NA
Intel Core i7-610E @ 2.53GHz	2544	1456	NA	NA
Intel Core i7-620LM @ 2.00GHz	1949	1695	NA	NA
Intel Core i7-620M @ 2.67GHz	2722	1400	24.74	\$110.01
Intel Core i7-620UM @ 1.07GHz	1323	2008	NA	NA
Intel Core i7-640LM @ 2.13GHz	2254	1571	NA	NA
Intel Core i7-640M @ 2.80GHz	2828	1361	14.15	\$199.95
Intel Core i7-640UM @ 1.20GHz	1638	1860	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1793	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1814	NA	NA
Intel Core i7-720QM @ 1.60GHz	3010	1298	27.38	\$109.95*
Intel Core i7-740QM @ 1.73GHz	3191	1236	19.96	\$159.95*
Intel Core i7-820QM @ 1.73GHz	3226	1225	13.44	\$239.95*
Intel Core i7-840QM @ 1.87GHz	3410	1172	11.76	\$289.97*
Intel Core i7-860 @ 2.80GHz	4999	836	33.33	\$149.99*
Intel Core i7-860S @ 2.53GHz	4711	887	23.56	\$199.99*
Intel Core i7-870 @ 2.93GHz	5324	780	60.51	\$87.99
Intel Core i7-870S @ 2.67GHz	4849	868	NA	NA
Intel Core i7-875K @ 2.93GHz	5412	761	13.53	\$399.99*
Intel Core i7-880 @ 3.07GHz	5505	748	9.44	\$583.00*
Intel Core i7-920 @ 2.67GHz	4915	854	126.04	\$39.00
Intel Core i7-920XM @ 2.00GHz	3727	1096	10.47	\$355.99
Intel Core i7-930 @ 2.80GHz	5135	805	39.51	\$129.99*
Intel Core i7-940 @ 2.93GHz	5336	778	51.32	\$103.99*
Intel Core i7-940XM @ 2.13GHz	3966	1038	NA	NA
Intel Core i7-950 @ 3.07GHz	5541	743	26.52	\$209.00*
Intel Core i7-960 @ 3.20GHz	5801	712	22.08	\$262.73
Intel Core i7-965 @ 3.20GHz	5856	705	41.83	\$139.99*
Intel Core i7-970 @ 3.20GHz	8351	463	16.71	\$499.95*
Intel Core i7-975 @ 3.33GHz	6121	680	14.76	\$414.90*
Intel Core i7-980 @ 3.33GHz	8643	441	43.22	\$199.98*
Intel Core i7-980X @ 3.33GHz	8744	430	9.61	\$909.99*
Intel Core i7-985 @ 3.47GHz	6641	630	NA	NA
Intel Core i7-990X @ 3.47GHz	9053	398	25.87	\$349.99*
Intel Core i7-995X @ 3.60GHz	9791	331	NA	NA
Intel Core i7-2600 @ 3.40GHz	8186	476	52.82	\$154.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-2600K @ 3.40GHz	8422	454	47.06	\$179.00
Intel Core i7-2600S @ 2.80GHz	7089	584	53.29	\$133.04*
Intel Core i7-2610UE @ 1.50GHz	2481	1484	NA	NA
Intel Core i7-2617M @ 1.50GHz	2824	1364	NA	NA
Intel Core i7-2620M @ 2.70GHz	3841	1063	22.63	\$169.81*
Intel Core i7-2630QM @ 2.00GHz	5525	746	24.03	\$229.95*
Intel Core i7-2630UM @ 1.60GHz	2584	1440	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-2635QM @ 2.00GHz	5468	755	NA	NA
Intel Core i7-2637M @ 1.70GHz	2910	1334	NA	NA
Intel Core i7-2640M @ 2.80GHz	3921	1051	26.01	\$150.78*
Intel Core i7-2655LE @ 2.20GHz	3196	1234	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5881	704	42.31	\$139.00
Intel Core i7-2675QM @ 2.20GHz	5531	745	NA	NA
Intel Core i7-2677M @ 1.80GHz	2826	1362	NA	NA
Intel Core i7-2700K @ 3.50GHz	8685	438	26.65	\$325.90
Intel Core i7-2710QE @ 2.10GHz	5768	716	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	772	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6115	682	19.79	\$309.00*
Intel Core i7-2760QM @ 2.40GHz	6563	636	31.26	\$209.95*
Intel Core i7-2820QM @ 2.30GHz	6642	629	26.46	\$251.04*
Intel Core i7-2840QM @ 2.40GHz	6766	615	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6964	593	12.87	\$541.00*
Intel Core i7-2920XM @ 2.50GHz	7045	589	16.00	\$440.44*
Intel Core i7-2960XM @ 2.70GHz	7224	574	17.62	\$409.95*
Intel Core i7-3517U @ 1.90GHz	3580	1130	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3350	1192	NA	NA
Intel Core i7-3520M @ 2.90GHz	4545	925	19.34	\$235.00*
Intel Core i7-3537U @ 2.00GHz	3845	1062	NA	NA
Intel Core i7-3540M @ 3.00GHz	4662	895	10.84	\$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1037	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6544	637	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7459	544	18.65	\$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	624	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6817	609	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	545	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7384	557	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7581	534	31.72	\$239.00*
Intel Core i7-3632QM @ 2.20GHz	6932	601	29.12	\$238.05*
Intel Core i7-3635QM @ 2.40GHz	6669	626	NA	NA
Intel Core i7-3667U @ 2.00GHz	3995	1030	NA	NA
Intel Core i7-3687U @ 2.10GHz	4181	997	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1228	NA	NA
Intel Core i7-3720QM @ 2.60GHz	8121	483	22.37	\$363.00*
Intel Core i7-3740QM @ 2.70GHz	8322	465	34.68	\$239.95*
Intel Core i7-3770 @ 3.40GHz	9280	376	46.83	\$198.18
Intel Core i7-3770K @ 3.50GHz	9507	354	30.67	\$310.00
Intel Core i7-3770S @ 3.10GHz	8892	418	21.69	\$409.99
Intel Core i7-3770T @ 2.50GHz	8208	473	24.87	\$329.99*
Intel Core i7-3820 @ 3.60GHz	8989	409	21.40	\$419.97
Intel Core i7-3820QM @ 2.70GHz	8406	455	29.50	\$285.00*
Intel Core i7-3840QM @ 2.80GHz	8771	428	30.35	\$289.05*
Intel Core i7-3920XM @ 2.90GHz	9169	387	8.37	\$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11979	228	23.73	\$504.85
Intel Core i7-3940XM @ 3.00GHz	9253	379	17.17	\$539.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-3960X @ 3.30GHz	12584	212	13.11	\$959.78
Intel Core i7-3970X @ 3.50GHz	12675	209	15.65	\$809.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4500U @ 1.80GHz	3790	1078	NA	NA
Intel Core i7-4510U @ 2.00GHz	3923	1050	NA	NA
Intel Core i7-4550U @ 1.50GHz	3699	1104	NA	NA
Intel Core i7-4558U @ 2.80GHz	4397	953	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	967	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	879	NA	NA
Intel Core i7-4600M @ 2.90GHz	4899	856	NA	NA
Intel Core i7-4600U @ 2.10GHz	4096	1012	NA	NA
Intel Core i7-4610M @ 3.00GHz	4909	855	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1092	NA	NA
Intel Core i7-4650U @ 1.70GHz	3960	1042	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7180	576	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7725	519	20.17	\$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7685	524	40.66	\$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7420	552	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7129	581	21.15	\$337.04*
Intel Core i7-4710HQ @ 2.50GHz	7721	521	NA	NA
Intel Core i7-4710MQ @ 2.50GHz	7979	499	29.38	\$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7523	538	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7210	575	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7996	498	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8067	486	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8194	474	NA	NA
Intel Core i7-4760HQ @ 2.10GHz	8735	431	NA	NA
Intel Core i7-4765T @ 2.00GHz	7307	568	18.27	\$399.99*
Intel Core i7-4770 @ 3.40GHz	9778	336	40.90	\$239.07
Intel Core i7-4770HQ @ 2.20GHz	8948	414	NA	NA
Intel Core i7-4770K @ 3.50GHz	10075	307	28.79	\$350.00
Intel Core i7-4770R @ 3.20GHz	9822	328	NA	NA
Intel Core i7-4770S @ 3.10GHz	9347	369	37.39	\$249.99*
Intel Core i7-4770T @ 2.50GHz	8587	444	21.47	\$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	620	NA	NA
Intel Core i7-4771 @ 3.50GHz	9866	324	16.18	\$609.99*
Intel Core i7-4785T @ 2.20GHz	7633	531	NA	NA
Intel Core i7-4790 @ 3.60GHz	9986	314	47.82	\$208.84
Intel Core i7-4790K @ 4.00GHz	11172	246	36.16	\$309.00
Intel Core i7-4790S @ 3.20GHz	9584	348	20.98	\$456.77
Intel Core i7-4790T @ 2.70GHz	9075	396	25.28	\$359.00*
Intel Core i7-4800MQ @ 2.70GHz	8445	451	16.56	\$509.95*
Intel Core i7-4810MQ @ 2.80GHz	8653	440	45.56	\$189.95*
Intel Core i7-4820K @ 3.70GHz	9713	343	44.15	\$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9051	399	20.86	\$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7847	508	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9271	378	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9355	368	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8978	411	15.30	\$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9330	372	20.29	\$459.95*
Intel Core i7-4930K @ 3.40GHz	13009	198	25.98	\$500.73*
Intel Core i7-4930MX @ 3.00GHz	9476	359	8.65	\$1,096.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4940MX @ 3.10GHz	9921	319	13.97	\$709.95*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4960HQ @ 2.60GHz	9828	327	15.78	\$623.00*
Intel Core i7-4960X @ 3.60GHz	13796	177	17.92	\$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10269	290	NA	NA
Intel Core i7-5500U @ 2.40GHz	3976	1035	NA	NA
Intel Core i7-5550U @ 2.00GHz	3851	1061	NA	NA
Intel Core i7-5557U @ 3.10GHz	4947	848	7.02	\$705.00*
Intel Core i7-5600U @ 2.60GHz	4316	971	NA	NA
Intel Core i7-5650U @ 2.20GHz	4224	986	NA	NA
Intel Core i7-5675C @ 3.10GHz	8164	477	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	469	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8353	462	NA	NA
Intel Core i7-5775C @ 3.30GHz	10976	255	15.99	\$686.32*
Intel Core i7-5775R @ 3.30GHz	10868	262	NA	NA
Intel Core i7-5820K @ 3.30GHz	12980	199	44.91	\$289.00*
Intel Core i7-5850EQ @ 2.70GHz	9817	329	22.57	\$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	361	21.80	\$434.00*
Intel Core i7-5930K @ 3.50GHz	13622	184	15.45	\$881.89*
Intel Core i7-5950HQ @ 2.90GHz	10850	263	NA	NA
Intel Core i7-5960X @ 3.00GHz	15942	121	16.61	\$959.99
Intel Core i7-6498DU @ 2.50GHz	4538	927	NA	NA
Intel Core i7-6500U @ 2.50GHz	4430	949	11.27	\$393.00*
Intel Core i7-6560U @ 2.20GHz	4811	870	NA	NA
Intel Core i7-6567U @ 3.30GHz	5615	734	NA	NA
Intel Core i7-6600U @ 2.60GHz	4805	873	NA	NA
Intel Core i7-6650U @ 2.20GHz	4969	844	NA	NA
Intel Core i7-6700 @ 3.40GHz	10004	311	37.05	\$269.99
Intel Core i7-6700HQ @ 2.60GHz	8132	481	21.51	\$378.00*
Intel Core i7-6700K @ 4.00GHz	11107	247	34.81	\$319.07
Intel Core i7-6700T @ 2.80GHz	9016	405	30.06	\$300.00*
Intel Core i7-6700TE @ 2.40GHz	8674	439	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9727	340	9.71	\$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13570	186	30.71	\$441.83
Intel Core i7-6820EQ @ 2.80GHz	8563	445	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9118	391	NA	NA
Intel Core i7-6820HQ @ 2.70GHz	8765	429	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6427	646	NA	NA
Intel Core i7-6850K @ 3.60GHz	14372	156	24.44	\$588.00
Intel Core i7-6900K @ 3.20GHz	17653	84	19.78	\$892.73
Intel Core i7-6920HQ @ 2.90GHz	9562	350	16.83	\$568.00*
Intel Core i7-6950X @ 3.00GHz	19940	53	12.67	\$1,573.54
Intel Core i7-7500U @ 2.70GHz	5153	803	NA	NA
Intel Core i7-7560U @ 2.40GHz	5846	709	NA	NA
Intel Core i7-7567U @ 3.50GHz	6492	642	NA	NA
Intel Core i7-7600U @ 2.80GHz	5101	809	NA	NA
Intel Core i7-7660U @ 2.50GHz	6004	692	NA	NA
Intel Core i7-7700 @ 3.60GHz	10727	265	31.66	\$338.88
Intel Core i7-7700HQ @ 2.80GHz	8803	426	NA	NA
Intel Core i7-7700K @ 4.20GHz	12033	227	33.05	\$364.13
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-7700T @ 2.90GHz	9280	377	25.43	\$365.00
Intel Core i7-7740X @ 4.30GHz	12293	219	37.83	\$324.95
Intel Core i7-7800X @ 3.50GHz	14627	151	36.57	\$399.99
Intel Core i7-7820HK @ 2.90GHz	9992	312	NA	NA
Intel Core i7-7820HQ @ 2.90GHz	9246	380	24.46	\$378.00*
Intel Core i7-7820X @ 3.60GHz	18491	74	30.34	\$609.53



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-7900X @ 3.30GHz	20406	50	NA	NA
Intel Core i7-7920HQ @ 3.10GHz	9986	315	NA	NA
Intel Core i7-8086K @ 4.00GHz	16684	97	30.17	\$552.96*
Intel Core i7-8500Y @ 1.50GHz	4075	1015	10.37	\$393.00*
Intel Core i7-8550U @ 1.80GHz	8289	466	NA	NA
Intel Core i7-8559U @ 2.70GHz	12373	215	NA	NA
Intel Core i7-8565U @ 1.80GHz	8997	407	NA	NA
Intel Core i7-8650U @ 1.90GHz	8794	427	NA	NA
Intel Core i7-8665U @ 1.90GHz	9018	404	22.05	\$409.00*
Intel Core i7-8700 @ 3.20GHz	15159	138	50.53	\$299.99
Intel Core i7-8700B @ 3.20GHz	14633	150	48.30	\$303.00*
Intel Core i7-8700K @ 3.70GHz	15961	120	45.61	\$349.99
Intel Core i7-8700T @ 2.40GHz	12692	208	37.89	\$334.99
Intel Core i7-8705G @ 3.10GHz	9895	323	7.02	\$1,408.75*
Intel Core i7-8706G @ 3.10GHz	10467	278	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	335	NA	NA
Intel Core i7-8750H @ 2.20GHz	12469	214	31.57	\$395.00*
Intel Core i7-8809G @ 3.10GHz	11036	251	NA	NA
Intel Core i7-8850H @ 2.60GHz	13067	197	33.08	\$395.00*
Intel Core i7-9700 @ 3.00GHz	15929	122	48.27	\$329.99
Intel Core i7-9700F @ 3.00GHz	16811	94	43.22	\$388.99
Intel Core i7-9700K @ 3.60GHz	17180	88	45.82	\$374.99
Intel Core i7-9700KF @ 3.60GHz	17106	90	45.02	\$379.99
Intel Core i7-9750H @ 2.60GHz	13795	178	NA	NA
Intel Core i7-9800X @ 3.80GHz	19866	55	30.48	\$651.88
Intel Core i7-9850H @ 2.60GHz	13981	169	35.40	\$395.00*
Intel Core i9-7900X @ 3.30GHz	21899	35	23.05	\$949.99
Intel Core i9-7920X @ 2.90GHz	23371	26	24.09	\$969.99
Intel Core i9-7940X @ 3.10GHz	25373	16	19.52	\$1,299.99
Intel Core i9-7960X @ 2.80GHz	25974	12	18.55	\$1,399.99*
Intel Core i9-7980XE @ 2.60GHz	27854	7	14.07	\$1,979.99
Intel Core i9-8950HK @ 2.90GHz	14304	159	24.54	\$583.00*
Intel Core i9-9820X @ 3.30GHz	21674	39	26.27	\$825.00
Intel Core i9-9880H @ 2.30GHz	17857	81	32.12	\$556.00*
Intel Core i9-9900K @ 3.60GHz	20206	52	41.24	\$489.99
Intel Core i9-9900KF @ 3.60GHz	20503	48	42.72	\$479.99
Intel Core i9-9900X @ 3.50GHz	23022	28	23.02	\$999.99
Intel Core i9-9920X @ 3.50GHz	25784	13	21.49	\$1,199.99
Intel Core i9-9940X @ 3.30GHz	27285	9	19.64	\$1,389.00
Intel Core i9-9960X @ 3.10GHz	28735	5	16.91	\$1,699.00
Intel Core i9-9980HK @ 2.40GHz	16786	95	28.79	\$583.00*
Intel Core i9-9980XE @ 3.00GHz	29570	2	14.79	\$1,999.00
Intel Core m3-6Y30 @ 0.90GHz	3051	1286	10.86	\$281.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core m3-7Y30 @ 1.00GHz	3553	1136	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3318	1199	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3562	1134	12.68	\$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3372	1186	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3244	1220	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3467	1161	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2702	1404	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1515	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2816	1366	10.02	\$281.00*
Intel Core M-5Y31 @ 0.90GHz	2832	1358	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2483	1483	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core M-5Y70 @ 1.10GHz	3018	1293	NA	NA
Intel Core M-5Y71 @ 1.20GHz	2975	1309	10.59	\$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2586	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2579	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2496	NA	NA
Intel Core Solo U1300 @ 1.06GHz	273	2739	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2733	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2654	NA	NA
Intel E3000 @ 3.40GHz	2767	1381	NA	NA
Intel Pentium 4 1.40GHz	164	2840	NA	NA
Intel Pentium 4 1.50GHz	131	2857	NA	NA
Intel Pentium 4 1.60GHz	129	2859	NA	NA
Intel Pentium 4 1.70GHz	132	2856	NA	NA
Intel Pentium 4 1.80GHz	161	2843	NA	NA
Intel Pentium 4 1.90GHz	159	2844	NA	NA
Intel Pentium 4 2.00GHz	189	2822	NA	NA
Intel Pentium 4 2.20GHz	209	2804	NA	NA
Intel Pentium 4 2.26GHz	221	2792	NA	NA
Intel Pentium 4 2.40GHz	228	2786	NA	NA
Intel Pentium 4 2.50GHz	245	2770	NA	NA
Intel Pentium 4 2.53GHz	248	2766	NA	NA
Intel Pentium 4 2.60GHz	288	2712	NA	NA
Intel Pentium 4 2.66GHz	254	2758	NA	NA
Intel Pentium 4 2.80GHz	322	2660	NA	NA
Intel Pentium 4 2.93GHz	299	2694	NA	NA
Intel Pentium 4 3.00GHz	353	2632	NA	NA
Intel Pentium 4 3.06GHz	346	2636	NA	NA
Intel Pentium 4 3.20GHz	373	2605	NA	NA
Intel Pentium 4 3.40GHz	395	2581	NA	NA
Intel Pentium 4 3.46GHz	454	2514	NA	NA
Intel Pentium 4 3.60GHz	487	2477	NA	NA
Intel Pentium 4 3.73GHz	486	2478	NA	NA
Intel Pentium 4 3.80GHz	485	2480	NA	NA
Intel Pentium 4 3.83GHz	195	2817	NA	NA
Intel Pentium 4 4.00GHz	184	2827	NA	NA
Intel Pentium 4 1300MHz	119	2863	NA	NA
Intel Pentium 4 1400MHz	127	2860	NA	NA
Intel Pentium 4 1500MHz	125	2861	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 4 1600MHz	193	2821	0.30	\$647.45*
Intel Pentium 4 1700MHz	154	2847	NA	NA
Intel Pentium 4 1800MHz	162	2842	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2850	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2816	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2833	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2805	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2836	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2803	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2812	NA	NA
Intel Pentium 5 2.66GHz	705	2355	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2141	8.18	\$134.00*
Intel Pentium 967 @ 1.30GHz	1156	2109	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2113	NA	NA
Intel Pentium 987 @ 1.50GHz	1230	2066	NA	NA
Intel Pentium 997 @ 1.60GHz	1395	1968	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 1403 @ 2.60GHz	2742	1392	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1294	NA	NA
Intel Pentium 2020M @ 2.40GHz	2273	1562	16.96	\$134.00*
Intel Pentium 2030M @ 2.50GHz	2410	1504	17.99	\$134.00*
Intel Pentium 2117U @ 1.80GHz	1654	1852	12.35	\$134.00*
Intel Pentium 2127U @ 1.90GHz	1820	1766	13.58	\$134.00*
Intel Pentium 2129Y @ 1.10GHz	1057	2163	7.89	\$134.00*
Intel Pentium 3550M @ 2.30GHz	2270	1565	NA	NA
Intel Pentium 3556U @ 1.70GHz	1696	1825	NA	NA
Intel Pentium 3558U @ 1.70GHz	1681	1833	NA	NA
Intel Pentium 3560M @ 2.40GHz	2270	1564	NA	NA
Intel Pentium 3560Y @ 1.20GHz	1266	2045	NA	NA
Intel Pentium 3805U @ 1.90GHz	1982	1680	NA	NA
Intel Pentium 3825U @ 1.90GHz	2519	1467	NA	NA
Intel Pentium 4405U @ 2.10GHz	2931	1326	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2059	1649	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2047	1653	12.72	\$161.00*
Intel Pentium 4415U @ 2.30GHz	3150	1256	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2229	1582	13.85	\$161.00*
Intel Pentium 4417U @ 2.30GHz	3359	1190	20.87	\$161.00*
Intel Pentium 5405U @ 2.30GHz	3177	1240	19.74	\$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	1878	NA	NA
Intel Pentium B940 @ 2.00GHz	1727	1802	57.69	\$29.94*
Intel Pentium B950 @ 2.10GHz	1719	1805	NA	NA
Intel Pentium B960 @ 2.20GHz	1852	1746	37.82	\$48.99*
Intel Pentium B970 @ 2.30GHz	1953	1693	38.32	\$50.99*
Intel Pentium B980 @ 2.40GHz	2025	1661	28.96	\$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1074	29.56	\$129.00*
Intel Pentium D 805 @ 2.66GHz	529	2444	NA	NA
Intel Pentium D 830 @ 3.00GHz	641	2388	NA	NA
Intel Pentium D 915 @ 2.80GHz	583	2415	NA	NA
Intel Pentium D 940 @ 3.20GHz	711	2351	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2339	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium D 960 @ 3.60GHz	811	2310	NA	NA
Intel Pentium E2140 @ 1.60GHz	869	2277	5.51	\$157.95*
Intel Pentium E2160 @ 1.80GHz	997	2199	8.49	\$117.50
Intel Pentium E2180 @ 2.00GHz	1088	2145	36.29	\$29.99
Intel Pentium E2200 @ 2.20GHz	1203	2079	16.05	\$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2094	NA	NA
Intel Pentium E2220 @ 2.40GHz	1329	2005	8.42	\$157.95*
Intel Pentium E5200 @ 2.50GHz	1486	1932	16.53	\$89.95*
Intel Pentium E5300 @ 2.60GHz	1537	1905	66.90	\$22.99*
Intel Pentium E5400 @ 2.70GHz	1599	1882	80.01	\$19.99*
Intel Pentium E5500 @ 2.80GHz	1637	1861	82.07	\$19.95*
Intel Pentium E5700 @ 3.00GHz	1736	1799	115.85	\$14.99*
Intel Pentium E5800 @ 3.20GHz	1891	1729	63.08	\$29.99*
Intel Pentium E6300 @ 2.80GHz	1705	1819	165.54	\$10.30*
Intel Pentium E6500 @ 2.93GHz	1764	1782	11.17	\$157.95*
Intel Pentium E6600 @ 3.06GHz	1861	1743	18.62	\$100.00*
Intel Pentium E6700 @ 3.20GHz	1933	1703	113.82	\$16.99*
Intel Pentium E6800 @ 3.33GHz	1988	1677	22.34	\$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2262	1.20	\$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	961	2224	NA	NA
Intel Pentium G620 @ 2.60GHz	2292	1548	91.75	\$24.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G620T @ 2.20GHz	2028	1658	25.36	\$79.99*
Intel Pentium G630 @ 2.70GHz	2370	1521	23.70	\$100.00
Intel Pentium G630T @ 2.30GHz	2089	1636	26.12	\$79.99*
Intel Pentium G640 @ 2.80GHz	2522	1465	16.82	\$150.00
Intel Pentium G640T @ 2.40GHz	1979	1681	NA	NA
Intel Pentium G645 @ 2.90GHz	2590	1438	16.19	\$160.00*
Intel Pentium G645T @ 2.50GHz	2293	1547	NA	NA
Intel Pentium G840 @ 2.80GHz	2561	1450	73.21	\$34.99*
Intel Pentium G850 @ 2.90GHz	2666	1414	22.45	\$118.77
Intel Pentium G860 @ 3.00GHz	2742	1393	33.04	\$82.99
Intel Pentium G870 @ 3.10GHz	2814	1368	29.01	\$97.00*
Intel Pentium G2010 @ 2.80GHz	2594	1436	74.36	\$34.89*
Intel Pentium G2020 @ 2.90GHz	2756	1389	45.98	\$59.95
Intel Pentium G2020T @ 2.50GHz	2418	1501	50.81	\$47.60*
Intel Pentium G2030 @ 3.00GHz	2869	1351	71.76	\$39.99*
Intel Pentium G2030T @ 2.60GHz	2487	1480	38.86	\$64.00*
Intel Pentium G2100T @ 2.60GHz	2763	1385	NA	NA
Intel Pentium G2120 @ 3.10GHz	3080	1276	19.31	\$159.55*
Intel Pentium G2130 @ 3.20GHz	3204	1230	64.10	\$49.99*
Intel Pentium G2140 @ 3.30GHz	3384	1182	41.28	\$82.00
Intel Pentium G3220 @ 3.00GHz	3126	1260	27.10	\$115.39
Intel Pentium G3220T @ 2.60GHz	2577	1442	36.83	\$69.99*
Intel Pentium G3240 @ 3.10GHz	3157	1254	28.83	\$109.55
Intel Pentium G3240T @ 2.70GHz	2840	1355	NA	NA
Intel Pentium G3250 @ 3.20GHz	3246	1219	29.52	\$109.99*
Intel Pentium G3250T @ 2.80GHz	2971	1312	33.02	\$89.99*
Intel Pentium G3258 @ 3.20GHz	3871	1056	20.56	\$188.28
Intel Pentium G3260 @ 3.30GHz	3359	1189	24.00	\$139.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G3260T @ 2.90GHz	2930	1327	32.56	\$89.99*
Intel Pentium G3320TE @ 2.30GHz	2389	1512	NA	NA
Intel Pentium G3420 @ 3.20GHz	3397	1176	25.46	\$133.43*
Intel Pentium G3420T @ 2.70GHz	3008	1299	18.80	\$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1178	37.74	\$89.99*
Intel Pentium G3440 @ 3.30GHz	3314	1200	20.72	\$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1268	NA	NA
Intel Pentium G3450 @ 3.40GHz	3700	1102	37.01	\$99.99*
Intel Pentium G3450T @ 2.90GHz	2967	1314	NA	NA
Intel Pentium G3460 @ 3.50GHz	3582	1128	12.43	\$288.20*
Intel Pentium G3470 @ 3.60GHz	3704	1101	35.53	\$104.29*
Intel Pentium G4400 @ 3.30GHz	3541	1140	30.81	\$114.95
Intel Pentium G4400T @ 2.90GHz	3176	1241	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1349	45.09	\$64.00*
Intel Pentium G4500 @ 3.50GHz	3799	1077	40.54	\$93.73
Intel Pentium G4500T @ 3.00GHz	3471	1158	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	995	40.24	\$103.99*
Intel Pentium G4560 @ 3.50GHz	4864	863	50.95	\$95.48
Intel Pentium G4560T @ 2.90GHz	3990	1032	36.28	\$109.99*
Intel Pentium G4600 @ 3.60GHz	5076	815	28.84	\$176.00
Intel Pentium G4600T @ 3.00GHz	4266	979	24.06	\$177.28*
Intel Pentium G4620 @ 3.70GHz	5210	792	45.84	\$113.66*
Intel Pentium G6950 @ 2.80GHz	1859	1744	46.49	\$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1613	22.72	\$94.00*
Intel Pentium G6960 @ 2.93GHz	2059	1650	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5199	795	71.28	\$72.94

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium Gold G5400T @ 3.10GHz	5048	823	78.89	\$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5195	796	41.56	\$125.02
Intel Pentium Gold G5500T @ 3.20GHz	4346	964	57.95	\$75.00*
Intel Pentium Gold G5600 @ 3.90GHz	5660	730	52.05	\$108.75*
Intel Pentium III 933S @ 933MHz	238	2779	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2717	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2732	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2677	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2697	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2693	NA	NA
Intel Pentium III Mobile 750MHz	103	2866	NA	NA
Intel Pentium III Mobile 800MHz	182	2830	NA	NA
Intel Pentium III Mobile 866MHz	152	2848	NA	NA
Intel Pentium III Mobile 933MHz	218	2794	7.55	\$28.99*
Intel Pentium III Mobile 1000MHz	245	2769	NA	NA
Intel Pentium III Mobile 1066MHz	246	2768	NA	NA
Intel Pentium III Mobile 1133MHz	251	2762	NA	NA
Intel Pentium III Mobile 1200MHz	240	2776	NA	NA
Intel Pentium J2850 @ 2.41GHz	1839	1757	NA	NA
Intel Pentium J2900 @ 2.41GHz	1956	1690	NA	NA
Intel Pentium J3710 @ 1.60GHz	1918	1711	NA	NA
Intel Pentium J4205 @ 1.50GHz	2257	1569	NA	NA
Intel Pentium M 1.10GHz	282	2723	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium M 1.20GHz	298	2695	NA	NA
Intel Pentium M 1.30GHz	301	2687	NA	NA
Intel Pentium M 1.40GHz	345	2639	NA	NA
Intel Pentium M 1.50GHz	367	2615	NA	NA
Intel Pentium M 1.60GHz	364	2619	NA	NA
Intel Pentium M 1.70GHz	406	2563	NA	NA
Intel Pentium M 1.73GHz	413	2553	NA	NA
Intel Pentium M 1.80GHz	411	2556	NA	NA
Intel Pentium M 1.86GHz	439	2531	NA	NA
Intel Pentium M 2.00GHz	461	2506	NA	NA
Intel Pentium M 2.10GHz	448	2519	NA	NA
Intel Pentium M 2.13GHz	505	2466	NA	NA
Intel Pentium M 2.26GHz	509	2462	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2485	NA	NA
Intel Pentium M 900MHz	217	2797	NA	NA
Intel Pentium M 1000MHz	233	2782	NA	NA
Intel Pentium M 1100MHz	259	2754	NA	NA
Intel Pentium M 1200MHz	237	2780	NA	NA
Intel Pentium M 1300MHz	303	2681	NA	NA
Intel Pentium M 1400MHz	320	2662	NA	NA
Intel Pentium M 1500MHz	354	2629	NA	NA
Intel Pentium M 1600MHz	335	2650	NA	NA
Intel Pentium M 1700MHz	376	2601	NA	NA
Intel Pentium N3510 @ 1.99GHz	1519	1914	NA	NA
Intel Pentium N3520 @ 2.16GHz	1789	1775	NA	NA
Intel Pentium N3530 @ 2.16GHz	1894	1724	NA	NA
Intel Pentium N3540 @ 2.16GHz	1925	1706	7.68	\$250.87*
Intel Pentium N3700 @ 1.60GHz	1831	1760	4.12	\$444.78*
Intel Pentium N3710 @ 1.60GHz	1865	1741	NA	NA
Intel Pentium N4200 @ 1.10GHz	2028	1659	9.86	\$205.81
Intel Pentium P6000 @ 1.87GHz	1243	2060	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium P6100 @ 2.00GHz	1325	2007	46.62	\$28.44
Intel Pentium P6200 @ 2.13GHz	1349	1995	30.03	\$44.95*
Intel Pentium P6300 @ 2.27GHz	1380	1977	NA	NA
Intel Pentium Silver J5005 @ 1.50GHz	2907	1337	13.22	\$219.92*
Intel Pentium Silver N5000 @ 1.10GHz	2433	1495	15.12	\$161.00*
Intel Pentium SU2700 @ 1.30GHz	405	2564	NA	NA
Intel Pentium SU4100 @ 1.30GHz	853	2287	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2292	NA	NA
Intel Pentium T2060 @ 1.60GHz	663	2375	NA	NA
Intel Pentium T2080 @ 1.73GHz	705	2357	4.41	\$159.95*
Intel Pentium T2130 @ 1.86GHz	710	2352	NA	NA
Intel Pentium T2310 @ 1.46GHz	735	2341	NA	NA
Intel Pentium T2330 @ 1.60GHz	830	2298	NA	NA
Intel Pentium T2370 @ 1.73GHz	844	2291	24.14	\$35.00*
Intel Pentium T2390 @ 1.86GHz	946	2240	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2212	NA	NA
Intel Pentium T3200 @ 2.00GHz	1033	2175	86.14	\$12.00*
Intel Pentium T3400 @ 2.16GHz	1113	2127	12.38	\$89.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium T4200 @ 2.00GHz	1151	2111	95.94	\$12.00*
Intel Pentium T4300 @ 2.10GHz	1232	2064	NA	NA
Intel Pentium T4400 @ 2.20GHz	1283	2035	NA	NA
Intel Pentium T4500 @ 2.30GHz	1334	2003	NA	NA
Intel Pentium U5400 @ 1.20GHz	814	2305	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2233	NA	NA
Intel T1200 @ 1.50GHz	435	2537	NA	NA
Intel T1400 @ 1.73GHz	929	2247	NA	NA
Intel T1500 @ 1.86GHz	953	2232	NA	NA
Intel T2050 @ 2.00GHz	959	2227	NA	NA
Intel Xeon 2.00GHz	233	2781	NA	NA
Intel XEON 2.20GHz	252	2760	NA	NA
Intel Xeon 2.40GHz	276	2735	30.35	\$9.10*
Intel Xeon 2.66GHz	435	2536	NA	NA
Intel Xeon 2.80GHz	400	2576	NA	NA
Intel Xeon 3.00GHz	391	2589	NA	NA
Intel Xeon 3.06GHz	491	2472	NA	NA
Intel Xeon 3.20GHz	461	2507	NA	NA
Intel Xeon 3.40GHz	478	2489	NA	NA
Intel Xeon 3.60GHz	509	2461	0.60	\$851.00*
Intel Xeon 3.73GHz	1041	2171	NA	NA
Intel Xeon 3.80GHz	604	2404	0.71	\$851.00*
Intel Xeon 1500MHz	193	2820	NA	NA
Intel Xeon 3040 @ 1.86GHz	1284	2034	51.31	\$25.04*
Intel Xeon 3050 @ 2.13GHz	1300	2018	8.23	\$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	1915	66.07	\$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	1913	72.77	\$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1777	4.36	\$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1755	5.26	\$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	1895	NA	NA
Intel Xeon 5110 @ 1.60GHz	1079	2154	6.75	\$159.95*
Intel Xeon 5120 @ 1.86GHz	1248	2058	0.77	\$1,619.99
Intel Xeon 5130 @ 2.00GHz	1366	1983	43.44	\$31.46*
Intel Xeon 5133 @ 2.20GHz	1598	1883	NA	NA
Intel Xeon 5140 @ 2.33GHz	1644	1854	35.00	\$46.99*
Intel Xeon 5148 @ 2.33GHz	1590	1889	121.17	\$13.13*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon 5150 @ 2.66GHz	1752	1789	12.52	\$139.95*
Intel Xeon 5160 @ 3.00GHz	1963	1689	52.38	\$37.49*
Intel Xeon @ 2.20GHz	1902	1719	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5664	729	23.80	\$237.99
Intel Xeon Bronze 3106 @ 1.70GHz	6890	605	20.88	\$329.99
Intel Xeon D-1518 @ 2.20GHz	5322	781	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	718	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	592	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	472	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9730	339	27.96	\$348.00*
Intel Xeon D-1537 @ 1.70GHz	7731	518	13.54	\$571.00*
Intel Xeon D-1540 @ 2.00GHz	10573	273	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11102	248	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon D-1548 @ 2.00GHz	10679	269	19.24	\$555.00*
Intel Xeon D-1559 @ 1.50GHz	8055	488	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	155	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	166	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8140	480	38.22	\$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	201	23.13	\$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	176	24.41	\$566.00*
Intel Xeon D-2183IT @ 2.20GHz	18627	71	10.56	\$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6089	685	110.74	\$54.99
Intel Xeon E3-1220 V2 @ 3.10GHz	6706	625	91.88	\$72.99
Intel Xeon E3-1220 v3 @ 3.10GHz	7162	578	33.31	\$214.99
Intel Xeon E3-1220 v5 @ 3.00GHz	7787	516	29.23	\$266.46*
Intel Xeon E3-1220 v6 @ 3.00GHz	7790	515	39.15	\$199.00
Intel Xeon E3-1220L @ 2.20GHz	3563	1133	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	950	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2110	1629	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	5889	702	81.81	\$71.99
Intel Xeon E3-1225 V2 @ 3.20GHz	6936	599	79.74	\$86.99
Intel Xeon E3-1225 v3 @ 3.20GHz	7243	572	24.98	\$289.99
Intel Xeon E3-1225 v5 @ 3.30GHz	7820	510	29.18	\$268.04
Intel Xeon E3-1225 v6 @ 3.30GHz	8156	478	34.71	\$234.99
Intel Xeon E3-1226 v3 @ 3.30GHz	7562	536	12.71	\$595.00*
Intel Xeon E3-1230 @ 3.20GHz	7848	507	57.71	\$135.99
Intel Xeon E3-1230 V2 @ 3.30GHz	8854	423	65.11	\$135.99
Intel Xeon E3-1230 v3 @ 3.30GHz	9324	373	29.05	\$320.99
Intel Xeon E3-1230 v5 @ 3.40GHz	9786	333	34.95	\$279.99
Intel Xeon E3-1230 v6 @ 3.50GHz	9847	326	37.88	\$259.99
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	573	25.12	\$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9623	347	18.87	\$509.95
Intel Xeon E3-1235 @ 3.20GHz	7680	526	31.48	\$244.00
Intel Xeon E3-1235L v5 @ 2.00GHz	6462	644	NA	NA
Intel Xeon E3-1240 @ 3.30GHz	7962	500	61.25	\$129.99
Intel Xeon E3-1240 V2 @ 3.40GHz	9137	388	56.41	\$161.99
Intel Xeon E3-1240 v3 @ 3.40GHz	9665	345	25.14	\$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10374	284	30.36	\$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10377	283	36.02	\$288.14
Intel Xeon E3-1240L v3 @ 2.00GHz	7513	539	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	514	28.03	\$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10018	309	27.08	\$369.99
Intel Xeon E3-1245 @ 3.30GHz	7997	497	76.17	\$104.99
Intel Xeon E3-1245 V2 @ 3.40GHz	9127	390	51.57	\$176.99



<b>CPU Name</b>	<b>Passmark CPU Mark (higher is better)</b>	<b>Rank (lower is better)</b>	<b>CPU Value (higher is better)</b>	<b>Price (USD)</b>
Intel Xeon E3-1245 v3 @ 3.40GHz	9570	349	30.97	\$309.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10181	295	29.48	\$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10543	274	34.01	\$309.99
Intel Xeon E3-1246 v3 @ 3.50GHz	9856	325	24.10	\$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6534	640	76.32	\$85.62
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	291	13.88	\$736.16*
Intel Xeon E3-1265L @ 2.40GHz	6038	690	6.58	\$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7428	549	24.36	\$305.00
<b>CPU Name</b>	<b>Passmark CPU Mark (higher is better)</b>	<b>Rank (lower is better)</b>	<b>CPU Value (higher is better)</b>	<b>Price (USD)</b>
Intel Xeon E3-1265L v3 @ 2.50GHz	9216	382	12.98	\$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	397	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	506	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	434	23.06	\$377.00*
Intel Xeon E3-1270 @ 3.40GHz	8238	470	25.99	\$317.00*
Intel Xeon E3-1270 V2 @ 3.50GHz	9471	360	33.56	\$282.22
Intel Xeon E3-1270 v3 @ 3.50GHz	9916	320	26.80	\$369.99*
Intel Xeon E3-1270 v5 @ 3.60GHz	10309	287	21.04	\$489.99
Intel Xeon E3-1270 v6 @ 3.80GHz	11184	245	33.03	\$338.61
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	268	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10093	303	11.37	\$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8215	471	27.03	\$304.00
Intel Xeon E3-1275 V2 @ 3.50GHz	9447	364	23.93	\$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	9915	321	24.73	\$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10366	286	18.75	\$553.00*
Intel Xeon E3-1275 v6 @ 3.80GHz	11016	253	29.95	\$367.83
Intel Xeon E3-1275L v3 @ 2.70GHz	8901	417	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10204	293	9.51	\$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8465	450	23.01	\$368.00
Intel Xeon E3-1280 V2 @ 3.60GHz	9447	362	11.00	\$859.00
Intel Xeon E3-1280 v3 @ 3.60GHz	9786	334	14.03	\$697.36*
Intel Xeon E3-1280 v5 @ 3.70GHz	10666	270	15.46	\$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11463	239	20.57	\$557.26*
Intel Xeon E3-1281 v3 @ 3.70GHz	10276	289	11.71	\$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10458	279	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	276	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11955	229	26.57	\$450.00*
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	317	12.35	\$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10961	256	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	322	11.80	\$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	355	12.27	\$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8699	433	9.83	\$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9709	344	10.97	\$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	655	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8934	416	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9715	342	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10093	304	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9341	370	NA	NA
Intel Xeon E3-1535M v6 @ 3.10GHz	10576	272	NA	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10443	281	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10625	271	NA	NA
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	264	NA	NA
Intel Xeon E3-1585L v5 @ 3.00GHz	10135	298	22.78	\$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7312	566	NA	NA
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	548	NA	NA
Intel Xeon E5-1603 @ 2.80GHz	5576	739	21.24	\$262.59*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-1603 v3 @ 2.80GHz	6186	670	NA	NA
Intel Xeon E5-1603 v4 @ 2.80GHz	6424	647	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5886	703	267.69	\$21.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-1607 v2 @ 3.00GHz	6211	669	177.74	\$34.95*
Intel Xeon E5-1607 v3 @ 3.10GHz	6961	594	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7256	570	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9032	401	27.38	\$329.93*
Intel Xeon E5-1620 v2 @ 3.70GHz	9482	358	97.77	\$96.99
Intel Xeon E5-1620 v3 @ 3.50GHz	9755	337	60.98	\$159.99
Intel Xeon E5-1620 v4 @ 3.50GHz	9925	318	31.31	\$316.99
Intel Xeon E5-1630 v3 @ 3.70GHz	10214	292	17.09	\$597.85*
Intel Xeon E5-1630 v4 @ 3.70GHz	10296	288	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11720	235	23.68	\$495.00*
Intel Xeon E5-1650 v2 @ 3.50GHz	12710	206	105.97	\$119.95
Intel Xeon E5-1650 v3 @ 3.50GHz	13620	185	68.79	\$198.00
Intel Xeon E5-1650 v4 @ 3.60GHz	14219	162	22.43	\$633.99
Intel Xeon E5-1660 @ 3.30GHz	12361	216	10.08	\$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13830	175	7.65	\$1,808.95*
Intel Xeon E5-1660 v3 @ 3.00GHz	14613	152	9.04	\$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16172	115	13.15	\$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16222	111	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16389	105	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	17093	91	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	77	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1146	23.65	\$149.00*
Intel Xeon E5-2403 v2 @ 1.80GHz	3418	1170	94.99	\$35.99
Intel Xeon E5-2407 @ 2.20GHz	4188	994	12.50	\$335.00*
Intel Xeon E5-2407 v2 @ 2.40GHz	4498	934	9.44	\$476.31*
Intel Xeon E5-2418L @ 2.00GHz	5202	794	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7045	588	18.06	\$390.02*
Intel Xeon E5-2420 v2 @ 2.20GHz	8694	435	51.53	\$168.74*
Intel Xeon E5-2430 @ 2.20GHz	6878	606	67.35	\$102.12*
Intel Xeon E5-2430 v2 @ 2.50GHz	8991	408	89.91	\$100.00
Intel Xeon E5-2430L @ 2.00GHz	7269	569	225.19	\$32.28
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	631	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9178	385	70.61	\$130.00*
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	375	18.22	\$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	412	6.29	\$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10108	302	27.39	\$369.00
Intel Xeon E5-2450L @ 1.80GHz	8261	467	63.55	\$130.00*
Intel Xeon E5-2470 @ 2.30GHz	10061	308	110.05	\$91.43
Intel Xeon E5-2470 v2 @ 2.40GHz	12836	202	75.94	\$169.03
Intel Xeon E5-2603 @ 1.80GHz	3580	1129	143.58	\$24.94
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1084	94.18	\$39.99
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	802	12.02	\$430.99*
Intel Xeon E5-2603 v4 @ 1.70GHz	5431	758	23.62	\$229.99
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	505	17.82	\$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4616	906	104.94	\$43.99
Intel Xeon E5-2609 v2 @ 2.50GHz	5149	804	36.89	\$139.60
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	701	14.79	\$399.00*
Intel Xeon E5-2609 v4 @ 1.70GHz	6905	604	21.58	\$319.99
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	224	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2618L v4 @ 2.20GHz	14572	153	18.71	\$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7900	502	90.84	\$86.97
Intel Xeon E5-2620 v2 @ 2.10GHz	8687	437	250.73	\$34.65
Intel Xeon E5-2620 v3 @ 2.40GHz	10011	310	22.02	\$454.60
Intel Xeon E5-2620 v4 @ 2.10GHz	11354	241	31.54	\$359.99
Intel Xeon E5-2623 v3 @ 3.00GHz	8988	410	33.29	\$269.99
Intel Xeon E5-2623 v4 @ 2.60GHz	8444	452	15.38	\$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	366	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	218	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	196	9.61	\$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	252	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8860	421	92.30	\$95.99
Intel Xeon E5-2630 v2 @ 2.60GHz	10405	282	231.28	\$44.99
Intel Xeon E5-2630 v3 @ 2.40GHz	12794	203	42.64	\$300.03
Intel Xeon E5-2630 v4 @ 2.20GHz	13908	171	21.07	\$659.99
Intel Xeon E5-2630L @ 2.00GHz	7865	503	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9088	395	NA	NA
Intel Xeon E5-2630L v3 @ 1.80GHz	9727	341	28.62	\$339.95*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	200	NA	NA
Intel Xeon E5-2637 v2 @ 3.50GHz	9447	363	46.87	\$201.56
Intel Xeon E5-2637 v3 @ 3.50GHz	10117	300	7.81	\$1,295.95*
Intel Xeon E5-2637 v4 @ 3.50GHz	10497	277	9.67	\$1,085.99
Intel Xeon E5-2640 @ 2.50GHz	9356	367	98.50	\$94.99
Intel Xeon E5-2640 v2 @ 2.00GHz	10143	296	43.12	\$235.22
Intel Xeon E5-2640 v3 @ 2.60GHz	13885	172	47.67	\$291.29*
Intel Xeon E5-2640 v4 @ 2.40GHz	15380	135	15.58	\$986.99
Intel Xeon E5-2643 @ 3.30GHz	8401	456	47.57	\$176.61
Intel Xeon E5-2643 v2 @ 3.50GHz	13107	195	119.16	\$110.00
Intel Xeon E5-2643 v3 @ 3.40GHz	13844	174	44.66	\$310.00
Intel Xeon E5-2643 v4 @ 3.40GHz	13655	180	8.22	\$1,660.61*
Intel Xeon E5-2648L @ 1.80GHz	7426	551	NA	NA
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	240	7.30	\$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	181	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	149	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10110	301	96.88	\$104.37*
Intel Xeon E5-2650 v2 @ 2.60GHz	13210	192	176.19	\$74.98
Intel Xeon E5-2650 v3 @ 2.30GHz	14844	146	34.13	\$435.00
Intel Xeon E5-2650 v4 @ 2.20GHz	15867	127	13.22	\$1,199.99
Intel Xeon E5-2650L @ 1.80GHz	8332	464	105.47	\$79.00*
Intel Xeon E5-2650L v2 @ 1.70GHz	9732	338	129.77	\$75.00
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	189	11.37	\$1,188.14*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	165	9.42	\$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11302	242	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9484	357	6.49	\$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	13874	173	NA	NA
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	110	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	16754	96	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11060	250	159.17	\$69.49
Intel Xeon E5-2660 v2 @ 2.20GHz	13186	194	104.83	\$125.79
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2660 v3 @ 2.60GHz	16184	114	21.05	\$768.99
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	93	11.25	\$1,499.99*
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	168	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11525	238	102.92	\$111.99
Intel Xeon E5-2667 @ 2.90GHz	10372	285	197.57	\$52.50*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2667 v2 @ 3.30GHz	16187	113	83.02	\$194.99
Intel Xeon E5-2667 v3 @ 3.20GHz	16215	112	18.96	\$855.30*
Intel Xeon E5-2667 v4 @ 3.20GHz	16684	98	8.56	\$1,949.03
Intel Xeon E5-2670 @ 2.60GHz	12114	226	80.23	\$151.00
Intel Xeon E5-2670 v2 @ 2.50GHz	14988	142	69.77	\$214.83
Intel Xeon E5-2670 v3 @ 2.30GHz	16494	101	54.98	\$300.00
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	108	NA	NA
Intel Xeon E5-2673 v3 @ 2.40GHz	16383	106	23.41	\$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21474	42	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15073	139	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	83	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	17290	86	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	17	9.35	\$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12555	213	156.98	\$79.98
Intel Xeon E5-2680 v2 @ 2.80GHz	15894	126	69.11	\$229.99
Intel Xeon E5-2680 v3 @ 2.50GHz	18561	73	53.04	\$349.99
Intel Xeon E5-2680 v4 @ 2.40GHz	19886	54	13.18	\$1,509.00*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	49	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17379	85	34.08	\$509.99
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	69	8.62	\$2,208.93*
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	141	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	66	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	57	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14347	158	65.82	\$217.99
Intel Xeon E5-2687W v2 @ 3.40GHz	16477	102	40.29	\$409.00
Intel Xeon E5-2687W v3 @ 3.10GHz	17752	82	30.09	\$589.99
Intel Xeon E5-2687W v4 @ 3.00GHz	19855	56	9.13	\$2,174.99
Intel Xeon E5-2689 @ 2.60GHz	13460	191	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	58	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13527	187	138.69	\$97.54
Intel Xeon E5-2690 v2 @ 3.00GHz	16433	103	27.90	\$588.99
Intel Xeon E5-2690 v3 @ 2.60GHz	19214	68	49.49	\$388.28
Intel Xeon E5-2690 v4 @ 2.60GHz	21326	44	9.83	\$2,169.99
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	118	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	15993	119	63.97	\$250.00
Intel Xeon E5-2695 v3 @ 2.30GHz	19673	60	19.48	\$1,009.99
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	51	7.70	\$2,629.42*
Intel Xeon E5-2696 v2 @ 2.50GHz	16620	100	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22480	29	9.00	\$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	45	7.05	\$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17224	87	37.53	\$459.00
Intel Xeon E5-2697 v3 @ 2.60GHz	21430	43	42.02	\$509.99
Intel Xeon E5-2697 v4 @ 2.30GHz	21506	41	7.75	\$2,775.99
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	30	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2698 v3 @ 2.30GHz	21081	46	6.16	\$3,424.02*
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	37	6.02	\$3,629.59*
Intel Xeon E5-2699 v3 @ 2.30GHz	22375	31	8.92	\$2,509.00*
Intel Xeon E5-2699 v4 @ 2.20GHz	23435	25	3.94	\$5,954.79
Intel Xeon E5-4603 @ 2.00GHz	5014	835	2.65	\$1,890.99*
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	381	NA	NA
Intel Xeon E5-4617 @ 2.90GHz	9029	402	100.44	\$89.90*
Intel Xeon E5-4620 @ 2.20GHz	8127	482	60.56	\$134.21*
Intel Xeon E5-4627 v3 @ 2.60GHz	14489	154	6.04	\$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	131	6.97	\$2,225.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-4640 @ 2.40GHz	10523	275	3.85	\$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	207	NA	NA
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	249	NA	NA
Intel Xeon E5-4650 @ 2.70GHz	11860	232	124.21	\$95.49*
Intel Xeon E5-4650L @ 2.60GHz	11821	233	1.36	\$8,684.50*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	220	2.66	\$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	124	11.36	\$1,399.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	128	3.30	\$4,800.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	183	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1264	1.75	\$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2157	1606	93.86	\$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1498	247.99	\$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1577	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	1966	148.77	\$9.42*
Intel Xeon E5240 @ 3.00GHz	2424	1499	NA	NA
Intel Xeon E5310 @ 1.60GHz	2264	1567	46.22	\$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1551	59.05	\$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1470	141.45	\$17.77*
Intel Xeon E5345 @ 2.33GHz	2920	1331	73.02	\$39.99*
Intel Xeon E5405 @ 2.00GHz	2831	1359	47.99	\$59.00*
Intel Xeon E5410 @ 2.33GHz	3261	1212	15.61	\$208.95*
Intel Xeon E5420 @ 2.50GHz	3492	1153	13.44	\$259.95*
Intel Xeon E5430 @ 2.66GHz	3761	1086	54.52	\$69.00*
Intel Xeon E5440 @ 2.83GHz	3963	1041	209.16	\$18.95*
Intel Xeon E5450 @ 3.00GHz	4189	993	14.01	\$298.94*
Intel Xeon E5462 @ 2.80GHz	3871	1055	141.82	\$27.30*
Intel Xeon E5472 @ 3.00GHz	4088	1013	136.11	\$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	1979	14.51	\$95.00*
Intel Xeon E5503 @ 2.00GHz	1381	1975	4.81	\$287.01*
Intel Xeon E5504 @ 2.00GHz	2686	1410	38.41	\$69.95*
Intel Xeon E5506 @ 2.13GHz	2975	1310	47.22	\$63.01*
Intel Xeon E5507 @ 2.27GHz	3125	1261	6.84	\$456.91*
Intel Xeon E5520 @ 2.27GHz	4435	947	109.95	\$40.34
Intel Xeon E5530 @ 2.40GHz	4564	918	18.55	\$246.00*
Intel Xeon E5540 @ 2.53GHz	4807	871	81.49	\$59.00*
Intel Xeon E5603 @ 1.60GHz	2366	1523	18.34	\$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1285	13.95	\$219.00*
Intel Xeon E5607 @ 2.27GHz	3380	1184	15.44	\$219.00*
Intel Xeon E5620 @ 2.40GHz	4802	876	81.42	\$58.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5630 @ 2.53GHz	5081	814	145.17	\$35.00*
Intel Xeon E5640 @ 2.67GHz	5256	787	88.36	\$59.49*
Intel Xeon E5645 @ 2.40GHz	6424	648	59.49	\$107.98*
Intel Xeon E5649 @ 2.53GHz	6936	600	60.31	\$115.00*
Intel Xeon E7320 @ 2.13GHz	2413	1502	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	509	40.54	\$193.00*
Intel Xeon E-2124 @ 3.30GHz	9544	353	43.39	\$219.99
Intel Xeon E-2124G @ 3.40GHz	9816	330	38.63	\$254.10
Intel Xeon E-2126G @ 3.30GHz	13995	167	46.65	\$299.99*
Intel Xeon E-2134 @ 3.50GHz	10909	259	38.96	\$279.99
Intel Xeon E-2136 @ 3.30GHz	15899	123	50.32	\$315.99
Intel Xeon E-2144G @ 3.60GHz	11214	243	34.83	\$321.99
Intel Xeon E-2146G @ 3.50GHz	15896	125	44.78	\$354.99
Intel Xeon E-2174G @ 3.80GHz	12238	222	32.62	\$375.20
Intel Xeon E-2176G @ 3.70GHz	15594	130	37.13	\$419.99



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E-2176M @ 2.70GHz	13641	182	30.31	\$450.00*
Intel Xeon E-2186G @ 3.80GHz	16057	117	30.59	\$524.99
Intel Xeon E-2186M @ 2.90GHz	14696	147	23.59	\$623.00*
Intel Xeon Gold 5117 @ 2.00GHz	16672	99	NA	NA
Intel Xeon Gold 5118 @ 2.30GHz	16389	104	12.39	\$1,322.83
Intel Xeon Gold 5120 @ 2.20GHz	16308	109	10.45	\$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	78	10.51	\$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	10894	260	8.58	\$1,269.99
Intel Xeon Gold 6126 @ 2.60GHz	19711	59	10.25	\$1,923.70
Intel Xeon Gold 6128 @ 3.40GHz	14941	144	8.13	\$1,837.99*
Intel Xeon Gold 6130 @ 2.10GHz	19277	65	9.89	\$1,949.99
Intel Xeon Gold 6132 @ 2.60GHz	23907	23	10.84	\$2,205.00*
Intel Xeon Gold 6134 @ 3.20GHz	18083	79	7.94	\$2,279.00
Intel Xeon Gold 6136 @ 3.00GHz	21061	47	7.87	\$2,676.29
Intel Xeon Gold 6138 @ 2.00GHz	25774	14	9.62	\$2,679.99
Intel Xeon Gold 6140 @ 2.30GHz	23964	22	9.82	\$2,439.99
Intel Xeon Gold 6144 @ 3.50GHz	19654	62	6.72	\$2,925.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	18	6.31	\$3,982.51*
Intel Xeon Gold 6148 @ 2.40GHz	26660	11	8.19	\$3,253.99
Intel Xeon Gold 6152 @ 2.10GHz	23498	24	6.18	\$3,799.99
Intel Xeon Gold 6154 @ 3.00GHz	27722	8	7.37	\$3,759.89*
Intel Xeon Gold 6230 @ 2.10GHz	24600	19	12.37	\$1,989.35
Intel Xeon L3110 @ 3.00GHz	2273	1561	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1085	42.18	\$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	2001	4.83	\$277.01*
Intel Xeon L3426 @ 1.87GHz	3837	1064	8.59	\$447.01*
Intel Xeon L5238 @ 2.66GHz	1823	1764	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1563	72.33	\$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1558	20.22	\$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1612	30.52	\$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1390	146.68	\$18.79*
Intel Xeon L5408 @ 2.13GHz	3014	1295	NA	NA
Intel Xeon L5410 @ 2.33GHz	3370	1187	33.67	\$100.08*
Intel Xeon L5420 @ 2.50GHz	3503	1152	127.39	\$27.50*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon L5430 @ 2.66GHz	3723	1098	23.58	\$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1099	16.59	\$224.00*
Intel Xeon L5520 @ 2.27GHz	4387	955	339.56	\$12.92*
Intel Xeon L5530 @ 2.40GHz	4351	962	225.95	\$19.26*
Intel Xeon L5630 @ 2.13GHz	4369	958	67.22	\$65.00*
Intel Xeon L5638 @ 2.00GHz	5556	741	79.49	\$69.90*
Intel Xeon L5639 @ 2.13GHz	6835	607	NA	NA
Intel Xeon L5640 @ 2.27GHz	6278	663	209.50	\$29.97*
Intel Xeon L7455 @ 2.13GHz	3836	1065	NA	NA
Intel Xeon MV 3.20GHz	683	2367	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26835	10	NA	NA
Intel Xeon Platinum 8151 @ 3.40GHz	6947	598	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	29131	3	4.95	\$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	4	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	6	NA	NA
Intel Xeon Platinum 8176 @ 2.10GHz	30583	1	3.51	\$8,725.00*
Intel Xeon Silver 4108 @ 1.80GHz	10722	266	23.83	\$449.99
Intel Xeon Silver 4109T @ 2.00GHz	10946	257	21.85	\$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11670	236	24.36	\$479.00
Intel Xeon Silver 4112 @ 2.60GHz	8611	442	16.75	\$513.99



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Silver 4114 @ 2.20GHz	14298	160	21.16	\$675.76
Intel Xeon Silver 4116 @ 2.10GHz	15397	134	14.66	\$1,049.99
Intel Xeon Silver 4123 @ 3.00GHz	15185	137	NA	NA
Intel Xeon Silver 4215 @ 2.50GHz	15440	132	20.61	\$749.00*
Intel Xeon W3503 @ 2.40GHz	1756	1786	108.30	\$16.22*
Intel Xeon W3505 @ 2.53GHz	1844	1750	74.18	\$24.86*
Intel Xeon W3520 @ 2.67GHz	5057	821	105.36	\$48.00*
Intel Xeon W3530 @ 2.80GHz	5346	776	18.19	\$293.95*
Intel Xeon W3540 @ 2.93GHz	5472	751	274.73	\$19.92*
Intel Xeon W3550 @ 3.07GHz	5694	724	189.88	\$29.99
Intel Xeon W3565 @ 3.20GHz	5939	697	84.91	\$69.95*
Intel Xeon W3570 @ 3.20GHz	6062	688	12.63	\$479.95*
Intel Xeon W3580 @ 3.33GHz	6366	657	29.68	\$214.50*
Intel Xeon W3670 @ 3.20GHz	8121	484	16.24	\$499.99*
Intel Xeon W3680 @ 3.33GHz	9026	403	11.88	\$759.95*
Intel Xeon W3690 @ 3.47GHz	9129	389	46.82	\$195.01*
Intel Xeon W5580 @ 3.20GHz	5836	711	54.53	\$107.03*
Intel Xeon W5590 @ 3.33GHz	6183	672	2.46	\$2,508.95*
Intel Xeon W-2102 @ 2.90GHz	6954	596	29.49	\$235.83*
Intel Xeon W-2104 @ 3.20GHz	7439	547	29.17	\$255.00*
Intel Xeon W-2123 @ 3.60GHz	10695	267	31.43	\$340.33
Intel Xeon W-2125 @ 4.00GHz	12344	217	24.54	\$503.10*
Intel Xeon W-2133 @ 3.60GHz	14190	163	23.00	\$617.00*
Intel Xeon W-2135 @ 3.70GHz	16322	107	18.01	\$906.28*
Intel Xeon W-2140B @ 3.20GHz	18610	72	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19656	61	16.48	\$1,192.99
Intel Xeon W-2150B @ 3.00GHz	21543	40	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21773	38	14.23	\$1,530.39*
Intel Xeon W-2175 @ 2.50GHz	24454	20	12.56	\$1,947.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon W-2195 @ 2.30GHz	24081	21	8.67	\$2,777.20*
Intel Xeon X3210 @ 2.13GHz	2739	1395	14.75	\$185.71*
Intel Xeon X3220 @ 2.40GHz	3088	1272	51.35	\$60.15*
Intel Xeon X3230 @ 2.66GHz	3398	1175	9.44	\$359.95*
Intel Xeon X3320 @ 2.50GHz	3309	1204	14.42	\$229.50*
Intel Xeon X3323 @ 2.50GHz	3172	1243	163.85	\$19.36*
Intel Xeon X3330 @ 2.66GHz	3379	1185	16.09	\$210.00*
Intel Xeon X3350 @ 2.66GHz	3820	1071	63.69	\$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1060	52.43	\$73.50*
Intel Xeon X3360 @ 2.83GHz	3942	1046	24.96	\$157.95*
Intel Xeon X3363 @ 2.83GHz	3989	1033	117.02	\$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	977	11.70	\$367.02*
Intel Xeon X3380 @ 3.16GHz	4665	894	9.15	\$509.95*
Intel Xeon X3430 @ 2.40GHz	3342	1196	202.18	\$16.53*
Intel Xeon X3440 @ 2.53GHz	4521	930	31.85	\$141.96*
Intel Xeon X3450 @ 2.67GHz	4751	883	59.43	\$79.95*
Intel Xeon X3460 @ 2.80GHz	5014	833	14.05	\$357.00*
Intel Xeon X3470 @ 2.93GHz	5114	807	46.78	\$109.34*
Intel Xeon X3480 @ 3.07GHz	5657	731	NA	NA
Intel Xeon X5260 @ 3.33GHz	2455	1487	45.47	\$54.00*
Intel Xeon X5270 @ 3.50GHz	2553	1452	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1511	17.10	\$140.00*
Intel Xeon X5355 @ 2.66GHz	3181	1238	10.27	\$309.95*
Intel Xeon X5365 @ 3.00GHz	3524	1145	35.42	\$99.50*
Intel Xeon X5450 @ 3.00GHz	4112	1011	68.59	\$59.96*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X5460 @ 3.16GHz	4328	968	94.12	\$45.99*
Intel Xeon X5470 @ 3.33GHz	4590	914	24.29	\$189.00*
Intel Xeon X5472 @ 3.00GHz	4014	1024	17.84	\$225.00*
Intel Xeon X5482 @ 3.20GHz	4529	929	45.30	\$99.99*
Intel Xeon X5492 @ 3.40GHz	4865	861	3.50	\$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5353	774	17.56	\$304.85*
Intel Xeon X5560 @ 2.80GHz	5399	765	158.85	\$33.99
Intel Xeon X5570 @ 2.93GHz	5679	726	63.81	\$89.00*
Intel Xeon X5647 @ 2.93GHz	5920	699	29.64	\$199.75*
Intel Xeon X5650 @ 2.67GHz	7370	559	109.38	\$67.38
Intel Xeon X5660 @ 2.80GHz	7578	535	312.65	\$24.24
Intel Xeon X5667 @ 3.07GHz	6291	661	276.41	\$22.76
Intel Xeon X5670 @ 2.93GHz	7857	504	262.01	\$29.99
Intel Xeon X5672 @ 3.20GHz	6397	652	1.49	\$4,280.00*
Intel Xeon X5675 @ 3.07GHz	8154	479	144.35	\$56.49
Intel Xeon X5677 @ 3.47GHz	6951	597	182.55	\$38.08*
Intel Xeon X5679 @ 3.20GHz	8845	424	NA	NA
Intel Xeon X5680 @ 3.33GHz	8395	457	111.94	\$75.00
Intel Xeon X5687 @ 3.60GHz	7076	585	141.67	\$49.95*
Intel Xeon X5690 @ 3.47GHz	8878	420	51.62	\$171.99
Intel Xeon X5698 @ 4.40GHz	4272	978	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1308	NA	NA
Mobile AMD Athlon 4	314	2671	3.62	\$86.99*
Mobile AMD Athlon 4 2400+	358	2626	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile AMD Athlon 64 2700+	398	2577	NA	NA
Mobile AMD Athlon 64 2800+	440	2528	NA	NA
Mobile AMD Athlon 64 3000+	450	2517	NA	NA
Mobile AMD Athlon 64 3200+	448	2520	NA	NA
Mobile AMD Athlon 64 3400+	511	2459	NA	NA
Mobile AMD Athlon 64 3700+	435	2538	NA	NA
Mobile AMD Athlon 64 4000+	576	2420	NA	NA
Mobile AMD Athlon 1400+	266	2746	NA	NA
Mobile AMD Athlon 2500+	370	2610	NA	NA
Mobile AMD Athlon MP-M 1800+	265	2747	NA	NA
Mobile AMD Athlon MP-M 2000+	378	2599	NA	NA
Mobile AMD Athlon MP-M 2400+	295	2701	NA	NA
Mobile AMD Athlon MP-M 2800+	496	2470	NA	NA
Mobile AMD Athlon XP	572	2424	45.81	\$12.49
Mobile AMD Athlon XP-M	512	2458	NA	NA
Mobile AMD Athlon XP-M 1400+	184	2828	NA	NA
Mobile AMD Athlon XP-M 1500+	261	2750	NA	NA
Mobile AMD Athlon XP-M 1600+	260	2752	NA	NA
Mobile AMD Athlon XP-M 1700+	323	2658	NA	NA
Mobile AMD Athlon XP-M 1800+	297	2696	NA	NA
Mobile AMD Athlon XP-M 1900+	342	2643	NA	NA
Mobile AMD Athlon XP-M 2000+	300	2689	NA	NA
Mobile AMD Athlon XP-M 2200+	364	2620	NA	NA
Mobile AMD Athlon XP-M 2400+	346	2638	NA	NA
Mobile AMD Athlon XP-M 2500+	346	2635	NA	NA
Mobile AMD Athlon XP-M 2600+	370	2609	NA	NA
Mobile AMD Athlon XP-M 2800+	365	2618	NA	NA
Mobile AMD Athlon XP-M 3000+	365	2617	NA	NA
Mobile AMD Athlon XP-M 3100+	440	2529	NA	NA
Mobile AMD Athlon XP-M 3200+	487	2476	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile AMD Athlon XP-M (LV)	508	2463	NA	NA
Mobile AMD Athlon XP-M (LV) 1500+	288	2708	NA	NA
Mobile AMD Athlon XP-M (LV) 1600+	296	2699	NA	NA
Mobile AMD Athlon XP-M (LV) 2000+	335	2649	NA	NA
Mobile AMD Athlon XP-M (LV) 2200+	373	2607	NA	NA
Mobile AMD Athlon XP-M (LV) 2800+	475	2492	NA	NA
Mobile AMD Athlon XP-M (LV) 3200+	505	2465	NA	NA
Mobile AMD Sempron 2100+	252	2761	NA	NA
Mobile AMD Sempron 2600+	394	2584	NA	NA
Mobile AMD Sempron 2800+	361	2623	NA	NA
Mobile AMD Sempron 3000+	389	2593	NA	NA
Mobile AMD Sempron 3100+	416	2551	NA	NA
Mobile AMD Sempron 3200+	354	2630	NA	NA
Mobile AMD Sempron 3300+	445	2522	NA	NA
Mobile AMD Sempron 3400+	441	2527	NA	NA
Mobile AMD Sempron 3500+	408	2560	NA	NA
Mobile AMD Sempron 3600+	427	2546	NA	NA
Mobile AMD Sempron 3800+	485	2481	NA	NA
Mobile Intel Celeron 1.20GHz	170	2839	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile Intel Celeron 1.50GHz	188	2823	NA	NA
Mobile Intel Celeron 1.60GHz	188	2824	NA	NA
Mobile Intel Celeron 1.70GHz	181	2832	NA	NA
Mobile Intel Celeron 1.80GHz	186	2826	NA	NA
Mobile Intel Celeron 2.00GHz	204	2808	NA	NA
Mobile Intel Celeron 2.20GHz	226	2788	NA	NA
Mobile Intel Celeron 2.40GHz	239	2777	NA	NA
Mobile Intel Celeron 2.50GHz	281	2726	NA	NA
Mobile Intel Celeron 1200MHz	294	2702	NA	NA
Mobile Intel Celeron 1333MHz	280	2729	NA	NA
Mobile Intel Pentium 4 2.30GHz	278	2734	6.38	\$43.56*
Mobile Intel Pentium 4 2.40GHz	264	2749	NA	NA
Mobile Intel Pentium 4 2.66GHz	279	2731	NA	NA
Mobile Intel Pentium 4 2.80GHz	315	2669	NA	NA
Mobile Intel Pentium 4 3.06GHz	337	2646	NA	NA
Mobile Intel Pentium 4 3.20GHz	356	2627	NA	NA
Mobile Intel Pentium 4 3.33GHz	439	2530	NA	NA
Mobile Intel Pentium 4 3.46GHz	478	2490	NA	NA
Mobile Intel Pentium 4 - M 1.60GHz	195	2818	NA	NA
Mobile Intel Pentium 4 - M 1.70GHz	173	2838	0.87	\$199.91
Mobile Intel Pentium 4 - M 1.80GHz	175	2835	NA	NA
Mobile Intel Pentium 4 - M 1.90GHz	232	2783	NA	NA
Mobile Intel Pentium 4 - M 2.00GHz	202	2813	NA	NA
Mobile Intel Pentium 4 - M 2.20GHz	198	2815	NA	NA
Mobile Intel Pentium 4 - M 2.40GHz	213	2799	NA	NA
Mobile Intel Pentium 4 - M 2.50GHz	256	2756	NA	NA
Mobile Intel Pentium 4 - M 2.60GHz	313	2673	NA	NA
Mobile Intel Pentium III - M 866MHz	211	2802	NA	NA
Mobile Intel Pentium III - M 933MHz	200	2814	NA	NA
Mobile Intel Pentium III - M 1000MHz	250	2765	NA	NA
Mobile Intel Pentium III - M 1133MHz	289	2706	NA	NA
Mobile Intel Pentium III - M 1200MHz	224	2789	NA	NA
Mobile Intel Pentium III - M 1333MHz	289	2707	NA	NA
Pentium Dual-Core E6000 @ 3.46GHz	2501	1475	NA	NA
Quad-Core AMD Opteron 1385	3442	1167	63.75	\$54.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Quad-Core AMD Opteron 1389	3446	1165	NA	NA
Six-Core AMD Opteron 2419 EE	2925	1329	NA	NA
VIA C3 Ezra	100	2867	NA	NA
VIA C7 1500MHz	284	2718	NA	NA
VIA C7-D 1500MHz	287	2714	NA	NA
VIA C7-D 1800MHz	203	2810	NA	NA
VIA C7-D 2000MHz	368	2613	NA	NA
VIA C7-M 1000MHz	164	2841	NA	NA
VIA C7-M 1200MHz	140	2854	NA	NA
VIA C7-M 1600MHz	178	2834	NA	NA
VIA C7-M 6300MHz	222	2791	NA	NA
VIA Eden 800MHz	155	2845	NA	NA
VIA Eden 1000MHz	123	2862	NA	NA
VIA Eden 1200MHz	142	2853	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
VIA Eden C1050@1.06GHz	352	2633	NA	NA
VIA Eden X2 U4200 @ 1.0+ GHz	480	2488	NA	NA
VIA Eden X4 C4250 @ 1.2+GHz	1147	2115	NA	NA
VIA Esther 1000MHz	146	2852	NA	NA
VIA Esther 1300MHz	250	2763	NA	NA
VIA Esther 1500MHz	219	2793	NA	NA
VIA Esther 2000MHz	394	2583	NA	NA
VIA Nano L1900@1400MHz	457	2510	NA	NA
VIA Nano L2007@1600MHz	369	2611	NA	NA
VIA Nano L2100@1800MHz	428	2544	NA	NA
VIA Nano L2207@1600MHz	296	2698	NA	NA
VIA Nano L3025@1600MHz	517	2455	NA	NA
VIA Nano L3050@1800MHz	581	2417	NA	NA
VIA Nano L3600@2000MHz	645	2383	NA	NA
VIA Nano U2250 (1.6GHz Capable)	377	2600	NA	NA
VIA Nano U2250@1300+MHz	274	2738	NA	NA
VIA Nano U2500@1200MHz	306	2680	NA	NA
VIA Nano U3100 (1.6GHz Capable)	501	2467	NA	NA
VIA Nano U3300@1200MHz	409	2558	NA	NA
VIA Nano U3500@1000MHz	275	2736	NA	NA
VIA Nano X2 U4025 @ 1.2 GHz	605	2402	NA	NA
VIA Nehemiah	155	2846	NA	NA
VIA QuadCore C4650@2.0GHz	1897	1722	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	1985	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2095	NA	NA
VIA Samuel 2	79	2869	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	299	3.61	\$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	130	100.33	\$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	402	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	408	2.95	\$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	453	NA	NA
[Dual CPU] AMD EPYC 7281	13293	181	9.31	\$1,427.98
[Dual CPU] AMD EPYC 7371	19370	116	NA	NA
[Dual CPU] AMD EPYC 7401	23518	68	6.15	\$3,821.64
[Dual CPU] AMD EPYC 7451	28957	36	5.77	\$5,022.16

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD EPYC 7501	29003	35	4.14	\$6,997.44
[Dual CPU] AMD EPYC 7551	30966	24	4.35	\$7,119.12
[Dual CPU] AMD EPYC 7601	33545	17	3.89	\$8,625.02
[Dual CPU] AMD Opteron 246	1130	442	28.26	\$39.98*
[Dual CPU] AMD Opteron 248	1053	443	5.27	\$199.90
[Dual CPU] AMD Opteron 250	1438	439	65.36	\$22.00*
[Dual CPU] AMD Opteron 252	1418	440	11.19	\$126.72*
[Dual CPU] AMD Opteron 254	816	448	NA	NA
[Dual CPU] AMD Opteron 256	1853	436	48.76	\$38.00*
[Dual CPU] AMD Opteron 265	2010	434	13.77	\$146.00
[Dual CPU] AMD Opteron 270	2226	430	1.83	\$1,214.94*
[Dual CPU] AMD Opteron 275	2133	433	16.41	\$129.98
[Dual CPU] AMD Opteron 280	2452	425	1.54	\$1,593.34*
[Dual CPU] AMD Opteron 285	2769	415	NA	NA
[Dual CPU] AMD Opteron 290	2716	417	10.06	\$270.00*
[Dual CPU] AMD Opteron 885	2851	411	NA	NA
[Dual CPU] AMD Opteron 2212	2203	431	55.08	\$40.00*
[Dual CPU] AMD Opteron 2214	2344	426	40.41	\$58.00*
[Dual CPU] AMD Opteron 2214 HE	2463	423	NA	NA
[Dual CPU] AMD Opteron 2216	2485	422	50.10	\$49.60
[Dual CPU] AMD Opteron 2216 HE	2593	419	NA	NA
[Dual CPU] AMD Opteron 2218	2719	416	41.93	\$64.84*
[Dual CPU] AMD Opteron 2218 HE	2514	420	NA	NA
[Dual CPU] AMD Opteron 2220	2854	410	1.88	\$1,517.68*
[Dual CPU] AMD Opteron 2220 SE	2882	409	57.64	\$50.00*
[Dual CPU] AMD Opteron 2222	2998	406	0.90	\$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	400	45.30	\$71.90
[Dual CPU] AMD Opteron 2346 HE	4095	390	NA	NA
[Dual CPU] AMD Opteron 2347 HE	3470	397	7.36	\$471.66*
[Dual CPU] AMD Opteron 2350	4078	391	7.55	\$539.98*
[Dual CPU] AMD Opteron 2354	4554	379	6.86	\$664.06*
[Dual CPU] AMD Opteron 2356	4441	382	42.70	\$104.00*
[Dual CPU] AMD Opteron 2360 SE	5315	361	75.93	\$70.00
[Dual CPU] AMD Opteron 2373 EE	4164	388	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	375	12.63	\$379.98*
[Dual CPU] AMD Opteron 2376	5238	362	15.70	\$333.62*
[Dual CPU] AMD Opteron 2378	5318	360	14.85	\$358.00*
[Dual CPU] AMD Opteron 2380	5754	347	63.93	\$90.00
[Dual CPU] AMD Opteron 2384	5914	344	3.52	\$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	334	NA	NA
[Dual CPU] AMD Opteron 2389	5677	349	48.11	\$118.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 2419	5191	364	216.47	\$23.98*
[Dual CPU] AMD Opteron 2425 HE	6209	335	NA	NA
[Dual CPU] AMD Opteron 2427	5907	345	29.83	\$198.00
[Dual CPU] AMD Opteron 2431	6438	328	80.48	\$80.00
[Dual CPU] AMD Opteron 2435	7068	314	18.70	\$378.00
[Dual CPU] AMD Opteron 2439 SE	8071	284	44.84	\$179.98*
[Dual CPU] AMD Opteron 4122	4076	392	16.31	\$249.98*
[Dual CPU] AMD Opteron 4130	5651	351	9.15	\$617.90*
[Dual CPU] AMD Opteron 4170 HE	6344	331	53.76	\$118.00*
[Dual CPU] AMD Opteron 4180	6367	329	7.77	\$819.90
[Dual CPU] AMD Opteron 4184	7813	292	7.51	\$1,039.90*
[Dual CPU] AMD Opteron 4226	8088	283	80.90	\$99.98*
[Dual CPU] AMD Opteron 4228 HE	7986	287	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 4234	9361	252	20.35	\$459.98*
[Dual CPU] AMD Opteron 4276 HE	9681	245	NA	NA
[Dual CPU] AMD Opteron 4280	4525	380	45.25	\$100.00
[Dual CPU] AMD Opteron 4284	9151	253	76.27	\$119.98*
[Dual CPU] AMD Opteron 4334	9456	251	21.85	\$432.84*
[Dual CPU] AMD Opteron 4340	10419	224	21.71	\$479.98*
[Dual CPU] AMD Opteron 4376 HE	10244	232	8.15	\$1,257.44*
[Dual CPU] AMD Opteron 4386	11360	210	40.57	\$279.98*
[Dual CPU] AMD Opteron 6128	6762	321	169.13	\$39.98
[Dual CPU] AMD Opteron 6128 HE	5582	354	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	268	NA	NA
[Dual CPU] AMD Opteron 6134	7586	301	86.22	\$87.98
[Dual CPU] AMD Opteron 6136	7255	308	32.98	\$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	367	NA	NA
[Dual CPU] AMD Opteron 6168	7741	296	40.68	\$190.28*
[Dual CPU] AMD Opteron 6172	7621	300	19.24	\$396.00
[Dual CPU] AMD Opteron 6174	8056	286	40.69	\$198.00
[Dual CPU] AMD Opteron 6176 SE	8448	273	26.57	\$318.00*
[Dual CPU] AMD Opteron 6180 SE	3114	403	10.05	\$309.98*
[Dual CPU] AMD Opteron 6204	7134	310	50.96	\$139.98*
[Dual CPU] AMD Opteron 6212	8927	262	148.83	\$59.98*
[Dual CPU] AMD Opteron 6220	10740	219	89.51	\$119.98*
[Dual CPU] AMD Opteron 6234	10079	235	168.26	\$59.90*
[Dual CPU] AMD Opteron 6238	10349	226	14.38	\$719.78*
[Dual CPU] AMD Opteron 6272	10008	240	16.14	\$619.90
[Dual CPU] AMD Opteron 6274	10536	222	114.55	\$91.98
[Dual CPU] AMD Opteron 6275	10900	218	NA	NA
[Dual CPU] AMD Opteron 6276	10194	234	30.16	\$338.00
[Dual CPU] AMD Opteron 6284 SE	11985	199	17.12	\$699.98*
[Dual CPU] AMD Opteron 6308	8351	275	13.47	\$619.96*
[Dual CPU] AMD Opteron 6320	10716	220	20.69	\$518.02
[Dual CPU] AMD Opteron 6328	11842	202	16.49	\$718.00
[Dual CPU] AMD Opteron 6344	11203	213	14.40	\$778.00
[Dual CPU] AMD Opteron 6348	11412	207	28.53	\$399.98*
[Dual CPU] AMD Opteron 6376	10405	225	80.04	\$130.00
[Dual CPU] AMD Opteron 6378	9145	254	11.46	\$798.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 6380	14200	167	120.34	\$118.00
[Dual CPU] AMD Opteron 6386 SE	12195	194	40.65	\$299.98*
[Dual CPU] AMD Opteron 8218	2831	412	64.34	\$44.00
[Dual CPU] AMD Opteron 8220	2510	421	50.22	\$49.98
[Dual CPU] AMD Opteron 8222 SE	2793	414	0.45	\$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	401	67.15	\$48.00
[Dual CPU] AMD Opteron 8380	5643	352	13.70	\$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	363	NA	NA
[Dual CPU] AMD Opteron 8389	6517	325	41.25	\$158.00
[Dual CPU] AMD Opteron 8431	5813	346	207.76	\$27.98*
[Dual CPU] AMD Opteron 8435	6739	322	46.80	\$144.00
[Dual CPU] AMD Opteron 8439 SE	7691	298	51.27	\$150.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	441	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	428	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	396	NA	NA
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	289	2.19	\$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	462	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	460	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	540	457	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	541	456	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	463	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	464	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	461	NA	NA
[Dual CPU] Intel Xeon 2.40GHz	473	459	25.99	\$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	454	NA	NA
[Dual CPU] Intel Xeon 2.80GHz	683	450	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	771	449	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	452	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	447	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	889	446	NA	NA
[Dual CPU] Intel Xeon 3.60GHz	930	445	0.55	\$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1859	435	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	444	0.58	\$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2152	432	6.73	\$319.90*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2310	427	0.71	\$3,239.98
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2619	418	41.62	\$62.92*
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	404	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2978	407	31.69	\$93.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	405	114.20	\$26.26*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3415	398	12.20	\$279.90*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3828	394	51.05	\$74.98*
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8809	264	18.51	\$475.98
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11024	216	16.70	\$659.98
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	336	20.82	\$298.00*
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	333	87.58	\$71.98
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	307	10.90	\$670.00*
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	257	9.47	\$952.62*
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11387	209	14.60	\$780.04*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11910	201	35.29	\$337.48*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	277	NA	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	13637	173	66.77	\$204.24*
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13763	169	68.82	\$200.00
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	11390	208	176.43	\$64.56
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	12354	189	NA	NA
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	184	12.60	\$1,019.90*
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	15063	157	20.41	\$738.00
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	16556	140	20.24	\$818.00*
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11715	204	45.06	\$260.00*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	16613	139	90.85	\$182.86
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	124	54.94	\$338.06
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	332	127.11	\$49.88
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	324	81.52	\$79.98
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8369	274	9.71	\$861.98*
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8910	263	19.37	\$459.98
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8162	281	92.77	\$87.98
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	8987	258	32.19	\$279.20
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10029	239	12.57	\$798.00*
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10993	217	17.18	\$639.98
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12332	190	70.90	\$173.94
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13312	180	192.09	\$69.30
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15206	155	16.72	\$909.20

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16442	141	22.84	\$719.98
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14313	166	26.51	\$539.98
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	12480	187	11.37	\$1,098.00*
[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	14589	161	NA	NA
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	13584	178	70.76	\$191.98
[Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz	15962	148	177.39	\$89.98
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	18458	125	30.76	\$600.06
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18765	122	14.22	\$1,319.98
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	11068	214	NA	NA
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	13706	171	NA	NA
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	15183	156	22.33	\$679.90*
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	7416	305	4.19	\$1,770.00*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	15888	151	39.41	\$403.12
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16408	143	6.33	\$2,591.90*
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	16704	138	7.69	\$2,171.98
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14657	160	77.15	\$189.98
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	14505	163	30.83	\$470.44
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	19892	111	34.14	\$582.58*
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz	20753	101	10.51	\$1,973.98
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	13671	172	38.70	\$353.22
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	20733	102	94.24	\$220.00
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	21016	96	33.90	\$620.00
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	21534	89	6.48	\$3,321.22*
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	12250	193	NA	NA
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	13801	168	4.67	\$2,958.00*
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	128	5.79	\$3,121.72*
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	14948	158	71.61	\$208.74*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2650 v2 @ 2.60GHz	18966	120	126.47	\$149.96
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20262	106	23.29	\$870.00
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20576	105	8.57	\$2,399.98
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	14385	164	91.04	\$158.00*
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14506	162	96.71	\$150.00
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	97	6.99	\$2,992.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13634	174	4.66	\$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	121	NA	NA
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	115	NA	NA
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16327	144	117.48	\$138.98
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17809	129	70.79	\$251.58
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22577	81	14.68	\$1,537.98
[Dual CPU] Intel Xeon E5-2660 v4 @ 2.00GHz	23225	75	7.74	\$2,999.98*
[Dual CPU] Intel Xeon E5-2663 v3 @ 2.80GHz	23137	77	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	17131	134	76.48	\$223.98
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	60	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	16940	135	161.33	\$105.00*
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22571	82	57.88	\$389.98
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	22661	79	13.25	\$1,710.60*
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	23172	76	5.94	\$3,898.06
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18160	127	60.13	\$302.00
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20699	103	48.18	\$429.66
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22371	85	37.29	\$600.00
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	71	NA	NA
[Dual CPU] Intel Xeon E5-2673 v3 @ 2.40GHz	23266	74	16.62	\$1,400.00*
[Dual CPU] Intel Xeon E5-2673 v4 @ 2.30GHz	29799	31	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19952	109	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	21063	95	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	29	5.54	\$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18186	126	113.69	\$159.96
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21495	90	46.73	\$459.98
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24513	64	35.02	\$699.98
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	22584	80	7.48	\$3,018.00*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	136	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21159	94	20.74	\$1,019.98
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	59	5.66	\$4,417.86*
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	86	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26790	49	NA	NA
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	28784	38	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20869	98	47.87	\$435.98
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23305	73	28.49	\$818.00
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24157	66	20.47	\$1,179.98
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26668	50	6.13	\$4,349.98
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	19917	110	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	26185	53	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19309	117	98.98	\$195.08
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23491	69	19.94	\$1,177.98
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25396	56	32.70	\$776.56
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27291	48	6.29	\$4,339.98
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2695 v2 @ 2.40GHz	20858	100	41.72	\$500.00
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24852	61	12.30	\$2,019.98
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24651	63	4.69	\$5,258.84*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23483	70	NA	NA
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30313	28	6.07	\$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31807	22	5.28	\$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23321	72	25.40	\$918.00
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27477	45	26.94	\$1,019.98
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30631	27	5.52	\$5,551.98
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	28161	41	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	29093	34	4.25	\$6,848.04*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.10GHz	30833	26	4.78	\$6,452.00*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	20	4.44	\$7,259.18*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	67	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26496	51	5.28	\$5,018.00*
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34013	16	2.86	\$11,909.58
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	20653	104	NA	NA
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	19491	113	19.15	\$1,017.90*
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	15897	150	2.91	\$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19209	118	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	19583	112	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	18712	123	97.98	\$190.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	14876	159	1.94	\$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	10679	221	0.61	\$17,369.00*
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz	22461	83	2.34	\$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	27457	46	2.54	\$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz	12145	195	44.98	\$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	15686	153	NA	NA
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	22412	84	1.81	\$12,400.00*
[Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz	12016	198	1.42	\$8,454.00*
[Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz	16047	145	42.45	\$378.00*
[Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz	10044	238	25.11	\$399.98*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	429	120.97	\$18.84*
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	393	NA	NA
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3566	395	36.39	\$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4166	387	53.75	\$77.50*
[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	370	NA	NA
[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4559	378	128.28	\$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5122	366	64.04	\$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5152	365	43.66	\$118.00*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6010	341	14.38	\$417.90*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6350	330	12.21	\$519.90*
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6846	320	49.61	\$138.00*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7132	311	188.18	\$37.90*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7511	302	12.56	\$597.88*
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7103	312	130.09	\$54.60*
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7796	293	129.76	\$60.08*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2456	424	12.93	\$190.00*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2801	413	4.88	\$574.02*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4878	374	34.87	\$139.90*
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	4999	369	39.67	\$126.02*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5410	357	5.92	\$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7418	304	91.94	\$80.68
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7704	297	15.66	\$492.00*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7848	290	66.51	\$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	389	16.04	\$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5507	355	12.57	\$438.00*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5956	343	13.60	\$438.00*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	8060	285	68.32	\$117.98
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8280	278	118.29	\$70.00*
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8668	267	72.85	\$118.98*
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10321	229	47.79	\$215.96*
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10327	228	44.90	\$230.00*
[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	356	87.81	\$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	359	29.87	\$179.98*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	22011	88	8.41	\$2,618.10*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	24299	65	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	92	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22049	87	8.33	\$2,645.66
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	25109	58	8.04	\$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17576	131	6.92	\$2,539.98
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27355	47	10.14	\$2,698.00*
[Dual CPU] Intel Xeon Gold 5222 @ 3.80GHz	19113	119	7.83	\$2,442.00*
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	27819	43	7.23	\$3,847.40
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22869	78	6.22	\$3,675.98*
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	25702	55	6.59	\$3,899.98
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	44	6.24	\$4,410.00*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	25308	57	5.55	\$4,558.00
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29596	32	5.53	\$5,352.58
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	42	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	34192	15	6.38	\$5,359.98
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32589	19	6.68	\$4,879.98
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	37	4.70	\$6,139.98
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28594	39	4.89	\$5,850.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29885	30	3.75	\$7,965.02*
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36813	8	5.66	\$6,507.98



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	31175	23	NA	NA
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33530	18	4.41	\$7,599.98
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	36932	7	4.91	\$7,519.78*
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	381	71.16	\$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	385	30.62	\$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	372	130.15	\$37.58*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	353	NA	NA
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	338	30.58	\$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6468	327	117.60	\$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	340	19.22	\$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	371	11.00	\$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	318	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6944	317	268.73	\$25.84*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7939	288	206.10	\$38.52*
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	7000	316	53.85	\$130.00*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8952	259	64.03	\$139.80*
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9598	247	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9666	246	161.26	\$59.94*
[Dual CPU] Intel Xeon MP 2.50GHz	550	455	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	538	458	5.98	\$90.00*
[Dual CPU] Intel Xeon MP 3.00GHz	624	451	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	437	NA	NA
[Dual CPU] Intel Xeon Platinum 8124M @ 3.00GHz	36109	9	NA	NA
[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	35823	11	2.32	\$15,408.00*
[Dual CPU] Intel Xeon Platinum 8160T @ 2.10GHz	29251	33	2.96	\$9,872.00*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	39259	5	3.33	\$11,780.00*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	35438	12	NA	NA
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36068	10	NA	NA
[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	37312	6	1.86	\$20,030.00*
[Dual CPU] Intel Xeon Platinum 8268 @ 2.90GHz	41119	3	3.26	\$12,604.00*
[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	15972	147	17.75	\$899.98
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	16434	142	17.15	\$958.00
[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	13615	177	13.24	\$1,027.98
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	19397	114	14.35	\$1,351.52
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	21232	93	10.11	\$2,099.98
[Dual CPU] Intel Xeon Silver 4209T @ 2.20GHz	20002	108	19.96	\$1,002.00*
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10079	236	47.08	\$214.06*
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10348	227	2.06	\$5,017.90*
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	231	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	376	44.05	\$108.00*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	377	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	373	17.46	\$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5748	348	9.27	\$619.90*
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6203	337	31.17	\$199.00*
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7447	303	62.10	\$119.92*
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7834	291	85.17	\$91.98*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8136	282	21.52	\$378.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7776	294	17.28	\$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8193	280	40.97	\$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8682	266	3.12	\$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8934	261	14.65	\$609.70*
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	9084	255	133.63	\$67.98
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9533	250	53.56	\$178.00*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9844	242	24.64	\$399.50*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11294	212	83.81	\$134.76
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11598	205	239.23	\$48.48
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10279	230	225.81	\$45.52
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12253	192	204.28	\$59.98
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10075	237	1.18	\$8,560.00*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12491	186	110.56	\$112.98
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11305	211	148.44	\$76.16*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13618	176	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13552	179	90.35	\$150.00
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11940	200	119.52	\$99.90*
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13754	170	39.98	\$343.98
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	272	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	323	91.61	\$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	265	6.15	\$1,417.90*
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	241	18.07	\$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11794	203	268.05	\$44.00*
[Dual CPU] Quad-Core AMD Opteron 2352	4171	386	46.34	\$90.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	368	11.46	\$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	384	9.75	\$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	383	36.47	\$120.00*
[Dual CPU] Quad-Core AMD Opteron 8378	5382	358	30.51	\$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	319	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	350	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	342	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	276	NA	NA
[Quad CPU] AMD Opteron 6136	9767	243	22.20	\$440.00*
[Quad CPU] AMD Opteron 6174	8594	270	21.70	\$396.00
[Quad CPU] AMD Opteron 6272	12292	191	9.91	\$1,239.80
[Quad CPU] AMD Opteron 6274	10488	223	57.01	\$183.96
[Quad CPU] AMD Opteron 6276	15342	154	22.70	\$676.00
[Quad CPU] AMD Opteron 6278	12055	196	9.75	\$1,236.00
[Quad CPU] AMD Opteron 6282 SE	11044	215	21.24	\$519.96*
[Quad CPU] AMD Opteron 6376	13257	182	50.99	\$260.00
[Quad CPU] AMD Opteron 6378	20859	99	13.07	\$1,596.00
[Quad CPU] AMD Opteron 6380	12442	188	52.72	\$236.00
[Quad CPU] AMD Opteron 8360 SE	6490	326	77.26	\$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	339	NA	NA
[Quad CPU] AMD Opteron 8382	8553	271	10.74	\$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	306	NA	NA
[Quad CPU] AMD Opteron 8431	8252	279	147.46	\$55.96*
[Quad CPU] AMD Opteron 8435	7099	313	24.65	\$288.00
[Quad CPU] AMD Opteron 8439 SE	8943	260	29.81	\$300.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	438	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	399	NA	NA
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	137	46.92	\$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	15924	149	29.66	\$536.84*
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	13628	175	42.59	\$319.96



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	62	12.12	\$2,035.80*
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	21372	91	55.95	\$381.96*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26203	52	12.87	\$2,035.80*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	25	2.14	\$14,436.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	107	3.36	\$6,008.00*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	146	NA	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34471	14	1.39	\$24,800.00*
[Quad CPU] Intel Xeon E7-8880 v2 @ 2.50GHz	28569	40	1.25	\$22,916.00*
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	21	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	17269	133	107.96	\$159.96*
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz	17287	132	131.00	\$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	14316	165	18.94	\$756.00*
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	185	15.87	\$799.96*
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	15867	152	0.79	\$20,034.04*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	7021	315	20.65	\$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	295	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	233	28.32	\$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	248	40.56	\$236.00*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	256	14.31	\$631.80*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	54	5.15	\$5,079.96
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	13	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	4	2.68	\$15,199.96
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	244	NA	NA
[Quad CPU] Intel Xeon Platinum 8180 @ 2.50GHz	44139	2	1.10	\$40,060.00*
[Quad CPU] Intel Xeon Platinum 8180M @ 2.50GHz	48904	1	NA	NA
[Quad CPU] Intel Xeon X7350 @ 2.93GHz	9542	249	66.28	\$143.96*
[Quad CPU] Intel Xeon X7460 @ 2.66GHz	12029	197	4.24	\$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	269	6.36	\$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	206	10.45	\$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	13145	183	149.38	\$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	309	29.88	\$240.00*

\* - Last price seen from our affiliates.

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