

# 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.

How does your CPU compare?  
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## Single CPU Systems

 

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
686 Gen	288	2693	NA	NA
AMD A4 Micro-6400T APU	1544	1886	NA	NA
AMD A4 PRO-3340B	2402	1496	NA	NA
AMD A4 PRO-7300B APU	2372	1508	NA	NA
AMD A4 PRO-7350B	2227	1569	NA	NA
AMD A4-1200 APU	632	2374	NA	NA
AMD A4-1250 APU	619	2381	NA	NA
AMD A4-3300 APU	1499	1911	115.41	\$12.99
AMD A4-3300M APU	1184	2074	39.50	\$29.99*
AMD A4-3305M APU	1220	2053	39.61	\$30.81
AMD A4-3310MX APU	1287	2014	NA	NA
AMD A4-3320M APU	1253	2036	34.93	\$35.90
AMD A4-3330MX APU	1212	2057	NA	NA
AMD A4-3400 APU	1591	1872	18.10	\$87.95
AMD A4-3420 APU	1670	1824	NA	NA
AMD A4-4000 APU	1831	1744	26.17	\$69.99*
AMD A4-4020 APU	1921	1693	22.35	\$86.00
AMD A4-4300M APU	1611	1860	40.43	\$39.86
AMD A4-4355M APU	1175	2078	NA	NA
AMD A4-5000 APU	1915	1697	NA	NA
AMD A4-5050 APU	2113	1612	NA	NA
AMD A4-5100 APU	2037	1641	NA	NA
AMD A4-5150M APU	1844	1733	NA	NA
AMD A4-5300 APU	2010	1654	12.19	\$164.89*
AMD A4-5300B APU	2139	1596	56.29	\$38.00*
AMD A4-6210 APU	2166	1588	NA	NA
AMD A4-6250J APU	2556	1438	NA	NA
AMD A4-6300 APU	2219	1572	37.00	\$59.99*
AMD A4-6300B APU	2129	1604	21.30	\$100.00*
AMD A4-6320 APU	2329	1518	33.29	\$69.99*
AMD A4-7210 APU	2513	1455	NA	NA
AMD A4-7300 APU	2303	1531	59.26	\$38.88
AMD A4-9120	1935	1686	NA	NA
AMD A4-9125	2015	1650	NA	NA
AMD A6 Micro-6500T APU	1834	1743	NA	NA
AMD A6 PRO-7050B APU	1616	1858	NA	NA
AMD A6 PRO-7400B	2608	1416	NA	NA
AMD A6-1450 APU	1532	1891	NA	NA
AMD A6-3400M APU	1883	1718	62.86	\$29.97*
AMD A6-3410MX APU	2057	1637	515.55	\$3.99*
AMD A6-3420M APU	2000	1656	NA	NA
AMD A6-3430MX APU	2200	1579	NA	NA
AMD A6-3500 APU	2013	1653	50.35	\$39.99*
AMD A6-3600 APU	2701	1391	117.50	\$22.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A6-3620 APU	2797	1359	46.63	\$59.99*
AMD A6-3650 APU	3150	1243	98.48	\$31.99*
AMD A6-3670 APU	3169	1230	22.50	\$140.90*
AMD A6-4400M APU	1640	1843	205.37	\$7.99*
AMD A6-4455M APU	1286	2015	NA	NA
AMD A6-5200 APU	2431	1483	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	1920	NA	NA
AMD A6-5350M APU	1902	1703	44.13	\$43.12
AMD A6-5357M APU	1941	1683	NA	NA
AMD A6-5400B APU	2232	1566	21.26	\$105.04*
AMD A6-5400K APU	2156	1593	21.78	\$99.00
AMD A6-6310 APU	2455	1474	NA	NA
AMD A6-6400B APU	2281	1544	NA	NA
AMD A6-6400K APU	2307	1528	22.16	\$104.13*
AMD A6-6420B APU	2612	1414	NA	NA
AMD A6-6420K APU	2388	1501	15.92	\$149.99*
AMD A6-7000	1667	1828	NA	NA
AMD A6-7310 APU	2663	1402	NA	NA
AMD A6-7400K APU	2782	1364	42.98	\$64.75
AMD A6-7470K	2727	1385	11.22	\$243.00
AMD A6-7480	3168	1231	72.04	\$43.99
AMD A6-8500P	2202	1578	NA	NA
AMD A6-8550	3104	1254	NA	NA
AMD A6-9200	1718	1791	NA	NA
AMD A6-9210	1728	1785	NA	NA
AMD A6-9220	2163	1589	NA	NA
AMD A6-9220e	1639	1844	NA	NA
AMD A6-9225	2153	1594	NA	NA
AMD A6-9230	2102	1617	NA	NA
AMD A6-9500	3040	1278	66.06	\$46.03
AMD A6-9500E	2889	1334	39.64	\$72.88
AMD A8 PRO-7150B APU	2652	1403	NA	NA
AMD A8 PRO-7600B APU	4728	873	NA	NA
AMD A8-3500M APU	1972	1670	28.20	\$69.95
AMD A8-3510MX APU	2370	1509	NA	NA
AMD A8-3520M APU	2171	1586	NA	NA
AMD A8-3530MX APU	2365	1513	NA	NA
AMD A8-3550MX APU	2610	1415	NA	NA
AMD A8-3800 APU	3014	1283	52.89	\$56.99*
AMD A8-3820 APU	3104	1255	24.84	\$124.99*
AMD A8-3850 APU	3465	1149	32.79	\$105.68*
AMD A8-3870K APU	3542	1127	70.86	\$49.99*
AMD A8-4500M APU	2666	1400	NA	NA
AMD A8-4555M APU	2119	1609	NA	NA
AMD A8-5500 APU	3994	1016	70.70	\$56.50*
AMD A8-5500B APU	3993	1017	NA	NA
AMD A8-5545M APU	2587	1426	NA	NA
AMD A8-5550M APU	3006	1288	NA	NA
AMD A8-5557M APU	2968	1301	NA	NA
AMD A8-5600K APU	4343	951	18.94	\$229.30
AMD A8-6410 APU	2571	1434	NA	NA
AMD A8-6500 APU	4396	942	46.28	\$94.99*
AMD A8-6500B APU	4612	897	NA	NA
AMD A8-6500T APU	3221	1212	NA	NA
AMD A8-6600K APU	4587	903	47.30	\$96.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-7050	1986	1665	NA	NA
AMD A8-7100 APU	2807	1357	NA	NA
AMD A8-7200P	3319	1184	NA	NA
AMD A8-7410 APU	2740	1380	NA	NA
AMD A8-7600 APU	5068	804	63.36	\$79.99*
AMD A8-7650K	4921	839	19.92	\$247.00
AMD A8-7670K	5089	797	31.59	\$161.10*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A8-7680	5335	765	88.94	\$59.99
AMD A8-8600P	3248	1204	NA	NA
AMD A8-8650	5470	741	NA	NA
AMD A8-9600	4985	825	80.11	\$62.24
AMD A9-9400	2323	1519	NA	NA
AMD A9-9410	2554	1439	NA	NA
AMD A9-9420	2342	1517	NA	NA
AMD A9-9420e	1890	1714	NA	NA
AMD A9-9425	2533	1446	NA	NA
AMD A9-9430	2524	1448	NA	NA
AMD A10 Micro-6700T APU	1970	1671	NA	NA
AMD A10 PRO-7350B APU	3171	1229	NA	NA
AMD A10 PRO-7800B APU	4973	829	NA	NA
AMD A10 PRO-7850B APU	5380	756	NA	NA
AMD A10-4600M APU	3112	1253	NA	NA
AMD A10-4655M APU	2607	1417	NA	NA
AMD A10-4657M APU	2906	1321	NA	NA
AMD A10-5700 APU	4211	977	65.29	\$64.50*
AMD A10-5745M APU	2765	1371	NA	NA
AMD A10-5750M APU	3343	1182	NA	NA
AMD A10-5757M APU	3084	1261	NA	NA
AMD A10-5800B APU	4625	894	NA	NA
AMD A10-5800K APU	4636	890	13.95	\$332.32*
AMD A10-6700 APU	4605	900	39.37	\$116.99*
AMD A10-6700T APU	3693	1092	25.02	\$147.61*
AMD A10-6790K APU	4717	875	49.67	\$94.99*
AMD A10-6800B APU	4806	858	NA	NA
AMD A10-6800K APU	4860	850	16.95	\$286.85*
AMD A10-7300 APU	2906	1323	NA	NA
AMD A10-7400P	3603	1108	NA	NA
AMD A10-7700K APU	5123	792	14.78	\$346.70*
AMD A10-7800 APU	4982	826	48.19	\$103.39*
AMD A10-7850K APU	5471	740	15.82	\$345.99
AMD A10-7860K	5066	805	28.95	\$175.00*
AMD A10-7870K	5472	739	24.11	\$226.99*
AMD A10-7890K	5703	710	28.52	\$199.99*
AMD A10-8700P	3445	1153	NA	NA
AMD A10-8750	5076	802	NA	NA
AMD A10-8850	5598	725	NA	NA
AMD A10-9600P	3781	1067	NA	NA
AMD A10-9620P	3703	1088	NA	NA
AMD A10-9630P	4497	923	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD A10-9700	5415	750	65.64	\$82.51
AMD A10-9700E	4747	871	52.18	\$90.99*
AMD A12-9700P	3732	1082	NA	NA
AMD A12-9720P	4004	1013	NA	NA
AMD A12-9730P	4472	927	NA	NA
AMD A12-9800	5519	735	39.92	\$138.24
AMD A12-9800E	5104	795	38.85	\$131.38
AMD Athlon64 X2 Dual Core 4600+	1108	2116	NA	NA
AMD Athlon 4	279	2713	11.68	\$23.95
AMD Athlon 64 2000+	116	2847	NA	NA
AMD Athlon 64 2200+	575	2406	NA	NA
AMD Athlon 64 2600+	374	2587	NA	NA
AMD Athlon 64 2800+	438	2516	4.38	\$99.99*
AMD Athlon 64 3000+	463	2485	6.19	\$74.95*
AMD Athlon 64 3200+	492	2454	3.28	\$149.95*
AMD Athlon 64 3300+	576	2405	NA	NA
AMD Athlon 64 3400+	545	2417	NA	NA
AMD Athlon 64 3500+	540	2423	4.97	\$108.95*
AMD Athlon 64 3600+	601	2390	NA	NA
AMD Athlon 64 3700+	598	2392	8.67	\$69.00*
AMD Athlon 64 3800+	589	2395	3.28	\$179.95*
AMD Athlon 64 4000+	608	2385	50.76	\$11.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 64 FX-25	794	2299	NA	NA
AMD Athlon 64 FX-34	380	2579	NA	NA
AMD Athlon 64 FX-51	437	2517	NA	NA
AMD Athlon 64 FX-53	646	2366	21.57	\$29.99*
AMD Athlon 64 FX-55	721	2330	4.01	\$179.95*
AMD Athlon 64 FX-57	730	2326	NA	NA
AMD Athlon 64 FX-59	715	2333	NA	NA
AMD Athlon 64 FX-60 Dual Core	1282	2020	NA	NA
AMD Athlon 64 FX-62 Dual Core	1573	1876	NA	NA
AMD Athlon 64 FX-72	1794	1756	NA	NA
AMD Athlon 64 FX-74	1495	1914	2.99	\$499.50*
AMD Athlon 64 X2 3800+	958	2213	NA	NA
AMD Athlon 64 X2 4200+	1285	2017	4.16	\$308.95*
AMD Athlon 64 X2 Dual Core 3400+	994	2186	NA	NA
AMD Athlon 64 X2 Dual Core 3600+	962	2207	16.05	\$60.00*
AMD Athlon 64 X2 Dual Core 3800+	1000	2180	NA	NA
AMD Athlon 64 X2 Dual Core 4000+	1043	2154	NA	NA
AMD Athlon 64 X2 Dual Core 4200+	1097	2122	6.86	\$159.95
AMD Athlon 64 X2 Dual Core 4400+	1145	2101	19.09	\$60.00
AMD Athlon 64 X2 Dual Core 4600+	1219	2054	3.39	\$359.95*
AMD Athlon 64 X2 Dual Core 4800+	1254	2035	7.84	\$159.95
AMD Athlon 64 X2 Dual Core 5000+	1313	1995	3.96	\$331.49*
AMD Athlon 64 X2 Dual Core 5200+	1381	1960	9.87	\$139.95
AMD Athlon 64 X2 Dual Core 5400+	1448	1930	27.34	\$52.99*
AMD Athlon 64 X2 Dual Core 5600+	1485	1918	10.61	\$139.95
AMD Athlon 64 X2 Dual Core 5800+	1516	1902	60.68	\$24.99*
AMD Athlon 64 X2 Dual Core 6000+	1603	1864	34.90	\$45.95
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 6400+	1791	1758	6.89	\$259.95*
AMD Athlon 64 X2 Dual Core BE-230	1095	2126	NA	NA
AMD Athlon 64 X2 Dual Core BE-2300	1082	2135	NA	NA
AMD Athlon 64 X2 Dual Core BE-2350	1044	2152	NA	NA
AMD Athlon 64 X2 Dual Core TK-53	839	2278	28.02	\$29.97*
AMD Athlon 64 X2 Dual Core TK-55	839	2279	14.53	\$57.74*
AMD Athlon 64 X2 Dual Core TK-57	971	2201	NA	NA
AMD Athlon 64 X2 Dual-Core TK-42	877	2258	NA	NA
AMD Athlon 64 X2 Dual-Core TK-53	816	2288	NA	NA
AMD Athlon 64 X2 Dual-Core TK-55	874	2259	12.02	\$72.74*
AMD Athlon 64 X2 Dual-Core TK-57	925	2235	NA	NA
AMD Athlon 64 X2 QL-60	921	2239	NA	NA
AMD Athlon 64 X2 QL-62	1008	2174	NA	NA
AMD Athlon 64 X2 QL-64	992	2190	NA	NA
AMD Athlon 64 X2 QL-65	1050	2150	NA	NA
AMD Athlon 64 X2 QL-66	947	2220	NA	NA
AMD Athlon 64 X2 QL-67	1006	2175	NA	NA
AMD Athlon 64 X2 TK-55	955	2214	NA	NA
AMD Athlon 64 X2 TK-57	988	2192	NA	NA
AMD Athlon 200GE	4948	835	82.49	\$59.99
AMD Athlon 220GE	5252	776	75.05	\$69.99
AMD Athlon 240GE	5428	746	67.87	\$79.99
AMD Athlon 1500+	294	2686	NA	NA
AMD Athlon 1640B	670	2356	13.42	\$50.00*
AMD Athlon 2000+	390	2575	NA	NA
AMD Athlon 2100+	412	2538	NA	NA
AMD Athlon 2200+	363	2605	4.55	\$79.99*
AMD Athlon 2400+	462	2488	NA	NA
AMD Athlon 2500+	374	2585	2.04	\$183.99*
AMD Athlon 2600+	444	2507	4.23	\$104.95*
AMD Athlon 2650e	409	2543	21.56	\$19.00*
AMD Athlon 2800+	447	2504	3.20	\$139.95*
AMD Athlon 2850e	506	2447	NA	NA
AMD Athlon 3100+	485	2465	NA	NA
AMD Athlon 3200+	458	2492	7.63	\$60.00*
AMD Athlon 5000 Dual-Core	1292	2009	10.78	\$119.95
AMD Athlon 5150 APU	2106	1615	13.17	\$159.95

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon 5200 Dual-Core	1266	2029	42.23	\$29.99*
AMD Athlon 5350 APU	2606	1418	7.70	\$338.46*
AMD Athlon 5370 APU	2904	1327	45.60	\$63.70*
AMD Athlon 7450 Dual-Core	1448	1931	NA	NA
AMD Athlon 7550 Dual-Core	1466	1924	24.44	\$60.00
AMD Athlon 7750 Dual-Core	1571	1878	19.89	\$79.00*
AMD Athlon 7850 Dual-Core	1713	1796	8.17	\$209.65*
AMD Athlon 7850 Dual-Core 2.8G	288	2696	NA	NA
AMD Athlon Dual Core 4050e	1086	2131	NA	NA
AMD Athlon Dual Core 4450B	1166	2087	37.63	\$31.00*
AMD Athlon Dual Core 4450e	1105	2119	NA	NA
AMD Athlon Dual Core 4850B	1391	1954	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 4850e	1313	1996	33.67	\$39.00*
AMD Athlon Dual Core 5000B	1300	2002	13.69	\$95.00*
AMD Athlon Dual Core 5050e	1343	1981	22.39	\$60.00*
AMD Athlon Dual Core 5200B	1316	1994	NA	NA
AMD Athlon Dual Core 5400B	1411	1948	NA	NA
AMD Athlon Dual Core 5600B	1304	2000	NA	NA
AMD Athlon II 160u	560	2413	18.68	\$29.99*
AMD Athlon II 170u	625	2377	20.89	\$29.95*
AMD Athlon II Dual-Core M300	1112	2112	NA	NA
AMD Athlon II Dual-Core M320	1141	2103	38.05	\$30.00*
AMD Athlon II Dual-Core M340	1056	2148	NA	NA
AMD Athlon II N330 Dual-Core	1154	2094	NA	NA
AMD Athlon II N350 Dual-Core	1249	2040	NA	NA
AMD Athlon II N370 Dual-Core	1559	1882	NA	NA
AMD Athlon II Neo K125	473	2477	NA	NA
AMD Athlon II Neo K145	525	2431	NA	NA
AMD Athlon II Neo K325 Dual-Core	775	2306	29.84	\$25.99*
AMD Athlon II Neo K345 Dual-Core	856	2269	NA	NA
AMD Athlon II Neo N36L Dual-Core	793	2301	NA	NA
AMD Athlon II P320 Dual-Core	1217	2055	40.65	\$29.95*
AMD Athlon II P340 Dual-Core	1250	2039	27.82	\$44.95*
AMD Athlon II P360 Dual-Core	1318	1993	54.93	\$24.00*
AMD Athlon II X2 210e	1486	1917	NA	NA
AMD Athlon II X2 215	1571	1877	131.06	\$11.99*
AMD Athlon II X2 220	1631	1847	50.70	\$32.19
AMD Athlon II X2 225	1526	1892	NA	NA
AMD Athlon II X2 235e	1658	1836	9.12	\$181.88*
AMD Athlon II X2 240	1642	1841	47.01	\$34.95
AMD Athlon II X2 240e	1695	1812	48.52	\$34.95*
AMD Athlon II X2 245	1661	1834	47.55	\$34.95*
AMD Athlon II X2 245e	1709	1801	21.37	\$80.00*
AMD Athlon II X2 250	1742	1778	44.73	\$38.95
AMD Athlon II X2 250e	1939	1684	25.28	\$76.73*
AMD Athlon II X2 250u	1000	2179	28.64	\$34.95*
AMD Athlon II X2 255	1840	1739	28.22	\$65.22*
AMD Athlon II X2 260	1873	1722	93.70	\$19.99*
AMD Athlon II X2 260u	1107	2117	13.28	\$83.44*
AMD Athlon II X2 265	1890	1713	22.81	\$82.88*
AMD Athlon II X2 270	1978	1668	82.48	\$23.99*
AMD Athlon II X2 270u	1350	1979	19.96	\$67.67*
AMD Athlon II X2 280	2129	1603	21.30	\$99.99*
AMD Athlon II X2 4300e	1350	1978	NA	NA
AMD Athlon II X2 4400e	1616	1857	NA	NA
AMD Athlon II X2 4450e	1504	1908	NA	NA
AMD Athlon II X2 B22	1711	1798	41.05	\$41.69*
AMD Athlon II X2 B24	1776	1762	52.11	\$34.10
AMD Athlon II X2 B26	1897	1708	54.28	\$34.95*
AMD Athlon II X2 B28	2085	1625	42.52	\$49.05*
AMD Athlon II X3 400e	2009	1655	18.70	\$107.43*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X3 405e	2000	1657	25.00	\$79.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon II X3 415e	2247	1559	29.97	\$75.00*
AMD Athlon II X3 420e	2285	1539	19.68	\$116.15*
AMD Athlon II X3 425	2317	1523	85.86	\$26.99*
AMD Athlon II X3 425e	2239	1564	NA	NA
AMD Athlon II X3 435	2475	1471	82.54	\$29.99*
AMD Athlon II X3 440	2566	1436	95.09	\$26.99*
AMD Athlon II X3 445	2574	1430	28.29	\$91.00*
AMD Athlon II X3 450	2620	1412	68.94	\$38.01
AMD Athlon II X3 455	2765	1369	70.93	\$38.99*
AMD Athlon II X3 460	2863	1338	73.45	\$38.99*
AMD Athlon II X4 553	3814	1058	NA	NA
AMD Athlon II X4 555	3830	1053	NA	NA
AMD Athlon II X4 559	4141	992	NA	NA
AMD Athlon II X4 600e	2453	1477	18.84	\$130.23*
AMD Athlon II X4 605e	2738	1382	26.90	\$101.80*
AMD Athlon II X4 610e	2790	1361	39.87	\$69.99*
AMD Athlon II X4 615e	2901	1330	49.17	\$59.00*
AMD Athlon II X4 620	2934	1311	41.92	\$69.99*
AMD Athlon II X4 620e	2906	1324	NA	NA
AMD Athlon II X4 630	3135	1245	49.81	\$62.95
AMD Athlon II X4 631 Quad-Core	3153	1241	39.42	\$80.00*
AMD Athlon II X4 635	3235	1208	46.25	\$69.95
AMD Athlon II X4 638 Quad-Core	3198	1219	120.73	\$26.49*
AMD Athlon II X4 640	3313	1188	41.45	\$79.95
AMD Athlon II X4 641 Quad-Core	3346	1180	36.57	\$91.50*
AMD Athlon II X4 645	3471	1146	69.44	\$49.99*
AMD Athlon II X4 650	3482	1144	20.90	\$166.60*
AMD Athlon II X4 651 Quad-Core	3576	1118	20.09	\$178.04*
AMD Athlon II X4 655	2998	1291	NA	NA
AMD Athlon II X4 6400e	2594	1422	NA	NA
AMD Athlon L110	303	2666	NA	NA
AMD Athlon LE-1600	567	2411	27.04	\$21.00*
AMD Athlon LE-1620	578	2403	32.12	\$18.00*
AMD Athlon LE-1640	627	2376	NA	NA
AMD Athlon LE-1660	679	2353	NA	NA
AMD Athlon MP	230	2767	4.20	\$54.95*
AMD Athlon MP 1700+	339	2628	NA	NA
AMD Athlon MP 2400+	436	2518	NA	NA
AMD Athlon MP 2800+	497	2452	NA	NA
AMD Athlon Neo MV-40	410	2541	NA	NA
AMD Athlon Neo X2 Dual Core 6850e	1002	2177	NA	NA
AMD Athlon Neo X2 Dual Core L325	776	2305	NA	NA
AMD Athlon Neo X2 Dual Core L335	828	2283	NA	NA
AMD Athlon PRO 200GE	5204	781	NA	NA
AMD Athlon QI-46	473	2476	NA	NA
AMD Athlon TF-20	413	2536	NA	NA
AMD Athlon TF-36	395	2565	NA	NA
AMD Athlon X2 215	1543	1887	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon X2 235e	1806	1752	NA	NA
AMD Athlon X2 240	1602	1865	NA	NA
AMD Athlon X2 240e	1670	1825	NA	NA
AMD Athlon X2 250	1696	1811	NA	NA
AMD Athlon X2 255	1627	1852	NA	NA
AMD Athlon X2 280	2303	1533	68.77	\$33.49*
AMD Athlon X2 340 Dual Core	1911	1701	38.23	\$49.99*
AMD Athlon X2 370K Dual Core	2251	1558	NA	NA
AMD Athlon X2 440	1424	1942	NA	NA
AMD Athlon X2 Dual Core 3250e	783	2304	NA	NA
AMD Athlon X2 Dual Core 6850e	998	2181	NA	NA
AMD Athlon X2 Dual Core BE-2300	920	2240	NA	NA
AMD Athlon X2 Dual Core BE-2350	1109	2115	NA	NA
AMD Athlon X2 Dual Core BE-2400	1213	2056	NA	NA
AMD Athlon X2 Dual Core BE-2450	1251	2037	NA	NA
AMD Athlon X2 Dual Core L310	644	2368	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 LS-5800	1009	2172	NA	NA
AMD Athlon X3 425	2191	1582	NA	NA
AMD Athlon X3 435	2574	1431	26.96	\$95.49*
AMD Athlon X3 440	2078	1627	23.62	\$87.99*
AMD Athlon X3 445	2314	1526	NA	NA
AMD Athlon X3 450	3064	1269	38.80	\$78.99*
AMD Athlon X3 455	2401	1497	NA	NA
AMD Athlon X4 605e	2505	1459	NA	NA
AMD Athlon X4 620	2861	1339	47.74	\$59.95
AMD Athlon X4 635	2891	1333	23.71	\$121.99*
AMD Athlon X4 640	3172	1228	NA	NA
AMD Athlon X4 740 Quad Core	4013	1011	14.49	\$277.00*
AMD Athlon X4 750 Quad Core	4551	907	NA	NA
AMD Athlon X4 750K Quad Core	4253	968	55.24	\$76.99*
AMD Athlon X4 760K Quad Core	4593	902	109.41	\$41.98*
AMD Athlon X4 830	4701	878	NA	NA
AMD Athlon X4 840	5042	813	64.04	\$78.74*
AMD Athlon X4 845	5414	751	101.91	\$53.13
AMD Athlon X4 860K	5418	749	99.43	\$54.50*
AMD Athlon X4 870K	5288	770	66.12	\$79.99*
AMD Athlon X4 880K	5544	729	55.45	\$99.99*
AMD Athlon X4 950	5249	777	80.67	\$65.07
AMD Athlon XP1600+	281	2708	NA	NA
AMD Athlon XP1900+	353	2614	NA	NA
AMD Athlon XP2100+	287	2698	NA	NA
AMD Athlon XP2200+	401	2556	NA	NA
AMD Athlon XP2400+	374	2586	NA	NA
AMD Athlon XP 1500	282	2707	NA	NA
AMD Athlon XP 1500+	257	2738	NA	NA
AMD Athlon XP 1600+	267	2728	NA	NA
AMD Athlon XP 1700	344	2624	NA	NA
AMD Athlon XP 1700+	271	2724	4.43	\$61.25*
AMD Athlon XP 1800+	300	2673	5.10	\$58.95*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Athlon XP 1900+	312	2657	NA	NA
AMD Athlon XP 2000+	299	2674	12.00	\$24.99*
AMD Athlon XP 2100+	323	2640	NA	NA
AMD Athlon XP 2200+	328	2639	3.87	\$84.95*
AMD Athlon XP 2300+	464	2484	NA	NA
AMD Athlon XP 2400+	360	2607	4.01	\$89.99*
AMD Athlon XP 2500+	355	2611	NA	NA
AMD Athlon XP 2600+	372	2591	16.18	\$23.03*
AMD Athlon XP 2700+	393	2568	4.64	\$84.79*
AMD Athlon XP 2800+	400	2558	NA	NA
AMD Athlon XP 2900+	424	2532	NA	NA
AMD Athlon XP 3000+	402	2554	5.06	\$79.70*
AMD Athlon XP 3100+	433	2522	NA	NA
AMD Athlon XP 3200+	431	2524	NA	NA
AMD Athlon XP 3400+	570	2409	NA	NA
AMD Athlon XP Pro3+	367	2598	NA	NA
AMD Athlon XP-M	541	2422	15.48	\$34.95*
AMD C-30	310	2659	NA	NA
AMD C-50	462	2487	NA	NA
AMD C-60	466	2481	NA	NA
AMD C-60 APU	543	2419	NA	NA
AMD C-70 APU	558	2414	NA	NA
AMD E1 Micro-6200T APU	960	2210	NA	NA
AMD E1-1200 APU	655	2364	NA	NA
AMD E1-1500 APU	688	2348	NA	NA
AMD E1-2100 APU	640	2372	NA	NA
AMD E1-2200 APU	767	2308	NA	NA
AMD E1-2500 APU	888	2256	NA	NA
AMD E1-6010 APU	862	2263	NA	NA
AMD E1-6015 APU	899	2252	NA	NA
AMD E1-7010 APU	1002	2178	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD E2-1800 APU	816	2287	NA	NA
AMD E2-2000 APU	825	2284	NA	NA
AMD E2-3000 APU	1105	2120	NA	NA
AMD E2-3000M APU	1096	2124	54.84	\$20.00*
AMD E2-3200 APU	1386	1956	173.59	\$7.99*
AMD E2-3800 APU	1642	1842	NA	NA
AMD E2-6110 APU	1909	1702	NA	NA
AMD E2-7110 APU	2283	1540	NA	NA
AMD E2-9000	1663	1833	NA	NA
AMD E2-9000e	1352	1977	NA	NA
AMD E2-9010	1745	1776	NA	NA
AMD E2-9030	1515	1903	NA	NA
AMD E-240	319	2646	NA	NA
AMD E-300 APU	610	2384	NA	NA
AMD E-350	746	2321	NA	NA
AMD E-350 APU	753	2316	NA	NA
AMD E-350D APU	726	2328	NA	NA
AMD E-450 APU	766	2309	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Embedded G-Series GX-215JJ Radeon R2E	1758	1767	NA	NA
AMD Embedded G-Series GX-224IJ Radeon R4E	2088	1622	NA	NA
AMD Embedded G-Series GX-420GI Radeon R7E	2483	1468	NA	NA
AMD Embedded R-Series RX-216GD	2409	1491	NA	NA
AMD Embedded R-Series RX-418GD Radeon R6	5068	803	NA	NA
AMD Embedded R-Series RX-421BD	4635	891	NA	NA
AMD EPYC 7251 8-Core	11811	225	23.24	\$508.29
AMD EPYC 7301	18564	71	21.67	\$856.51
AMD EPYC 7351	18081	79	15.56	\$1,162.23
AMD EPYC 7351P	15820	124	18.88	\$837.99
AMD EPYC 7371	22071	30	NA	NA
AMD EPYC 7401P	19555	62	17.20	\$1,136.82
AMD EPYC 7501	18942	68	5.41	\$3,498.72
AMD EPYC 7551	18483	73	5.19	\$3,559.56
AMD EPYC 7551P	18406	75	8.37	\$2,199.81
AMD FirePro A320 APU	4540	914	NA	NA
AMD FX-670K Quad-Core	4550	908	NA	NA
AMD FX-770K Quad-Core	4803	860	NA	NA
AMD FX-870K Quad Core	5021	818	NA	NA
AMD FX-4100 Quad-Core	4069	1002	31.31	\$129.99*
AMD FX-4130 Quad-Core	4164	986	54.80	\$75.99*
AMD FX-4150 Quad-Core	4594	901	NA	NA
AMD FX-4170 Quad-Core	4869	846	48.70	\$99.99*
AMD FX-4200 Quad-Core	4235	972	18.56	\$228.21*
AMD FX-4300 Quad-Core	4692	880	80.42	\$58.35
AMD FX-4320	5005	822	NA	NA
AMD FX-4330	5321	769	NA	NA
AMD FX-4350 Quad-Core	5340	764	12.42	\$430.00
AMD FX-6100 Six-Core	5388	754	21.30	\$253.00
AMD FX-6120 Six-Core	5732	707	NA	NA
AMD FX-6130 Six-Core	6215	655	NA	NA
AMD FX-6200 Six-Core	6119	668	18.00	\$339.95
AMD FX-6300 Six-Core	6387	640	91.27	\$69.99
AMD FX-6330 Six-Core	6916	587	NA	NA
AMD FX-6350 Six-Core	7000	578	50.03	\$139.94
AMD FX-7500 APU	3212	1215	NA	NA
AMD FX-7600P	4049	1005	NA	NA
AMD FX-7600P APU	4627	893	NA	NA
AMD FX-8100 Eight-Core	6008	678	42.31	\$142.00*
AMD FX-8120 Eight-Core	6599	620	66.00	\$99.99*
AMD FX-8140 Eight-Core	6133	665	NA	NA
AMD FX-8150 Eight-Core	7632	521	5.28	\$1,445.01*
AMD FX-8300 Eight-Core	7719	511	84.83	\$91.00



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-8310 Eight-Core	7723	509	NA	NA
AMD FX-8320 Eight-Core	8015	483	53.80	\$149.00
AMD FX-8320E Eight-Core	7548	526	78.63	\$96.00
AMD FX-8350 Eight-Core	8951	402	127.96	\$69.95
AMD FX-8370 Eight-Core	9036	393	73.28	\$123.32
AMD FX-8370E Eight-Core	7805	500	37.35	\$209.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD FX-8800P	4146	990	NA	NA
AMD FX-9370 Eight-Core	9446	356	39.51	\$239.07
AMD FX-9590 Eight-Core	10193	283	61.41	\$165.99
AMD FX-9800P	3975	1021	NA	NA
AMD FX-9830P	4771	866	NA	NA
AMD FX-B4150 Quad-Core	4611	898	NA	NA
AMD G-T40E	467	2480	NA	NA
AMD G-T40N	516	2439	NA	NA
AMD G-T40R	203	2794	NA	NA
AMD G-T44R	227	2769	NA	NA
AMD G-T48E	667	2358	NA	NA
AMD G-T52R	308	2661	NA	NA
AMD G-T56E	751	2317	NA	NA
AMD G-T56N	793	2300	NA	NA
AMD Geode NX	264	2731	NA	NA
AMD Geode NX 1750	291	2687	NA	NA
AMD GX-210JA SOC	401	2557	NA	NA
AMD GX-212JC SOC	744	2322	NA	NA
AMD GX-217GA SOC	1103	2121	NA	NA
AMD GX-218GL SOC	1115	2108	NA	NA
AMD GX-222GC SOC	1255	2034	NA	NA
AMD GX-412HC	1497	1913	NA	NA
AMD GX-415GA SOC	1944	1682	NA	NA
AMD GX-420CA SOC	2412	1489	NA	NA
AMD GX-424CC SOC	2491	1463	NA	NA
AMD K7	403	2552	NA	NA
AMD Opteron 140	396	2563	0.56	\$710.00*
AMD Opteron 142	428	2528	NA	NA
AMD Opteron 144	486	2462	7.48	\$65.00*
AMD Opteron 146	532	2427	8.87	\$59.99*
AMD Opteron 148	603	2389	NA	NA
AMD Opteron 150	604	2387	NA	NA
AMD Opteron 152	658	2360	NA	NA
AMD Opteron 154	703	2342	NA	NA
AMD Opteron 165	899	2253	1.47	\$610.00*
AMD Opteron 170	1097	2123	NA	NA
AMD Opteron 175	1167	2086	NA	NA
AMD Opteron 180	1233	2047	9.49	\$129.95*
AMD Opteron 185	1360	1972	NA	NA
AMD Opteron 246	632	2375	31.62	\$19.99*
AMD Opteron 248	476	2474	4.77	\$99.95
AMD Opteron 250	649	2365	59.01	\$11.00*
AMD Opteron 252	760	2313	12.00	\$63.36*
AMD Opteron 254	693	2346	NA	NA
AMD Opteron 256	963	2205	50.72	\$19.00*
AMD Opteron 265	963	2206	13.20	\$73.00
AMD Opteron 270	1170	2084	1.93	\$607.47*
AMD Opteron 275	1291	2011	19.87	\$64.99
AMD Opteron 280	1176	2077	1.48	\$796.67*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 285	1470	1922	NA	NA
AMD Opteron 290	1464	1925	10.85	\$135.00*
AMD Opteron 1210	923	2236	NA	NA
AMD Opteron 1210 HE	971	2200	NA	NA
AMD Opteron 1212	1009	2173	3.48	\$290.00*
AMD Opteron 1212 HE	1308	1998	NA	NA
AMD Opteron 1214	1191	2070	4.11	\$290.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 1214 HE	1299	2003	NA	NA
AMD Opteron 1216	1311	1997	23.91	\$54.85*
AMD Opteron 1216 HE	1172	2082	NA	NA
AMD Opteron 1218	1468	1923	NA	NA
AMD Opteron 1218 HE	1444	1933	NA	NA
AMD Opteron 1220	1653	1839	NA	NA
AMD Opteron 1222	1757	1770	NA	NA
AMD Opteron 1352	2316	1525	17.04	\$135.99*
AMD Opteron 1354	2630	1410	19.49	\$135.00*
AMD Opteron 1356	2765	1370	30.73	\$89.99*
AMD Opteron 1381	3065	1268	NA	NA
AMD Opteron 2212	1270	2026	63.53	\$20.00*
AMD Opteron 2214	1358	1975	46.85	\$29.00*
AMD Opteron 2214 HE	1415	1946	NA	NA
AMD Opteron 2216	1518	1901	61.21	\$24.80
AMD Opteron 2218	1594	1870	49.18	\$32.42*
AMD Opteron 2220	1701	1807	1.15	\$1,475.16*
AMD Opteron 2220 SE	1398	1951	55.92	\$25.00*
AMD Opteron 2222	1843	1735	1.11	\$1,664.98*
AMD Opteron 2224 SE	1919	1695	NA	NA
AMD Opteron 2350	2820	1351	10.45	\$269.99*
AMD Opteron 2356	2814	1353	15.49	\$181.65*
AMD Opteron 2373 EE	2789	1362	NA	NA
AMD Opteron 2374 HE	2951	1304	15.53	\$189.99*
AMD Opteron 2376	2283	1541	13.69	\$166.81*
AMD Opteron 2378	3179	1227	17.76	\$179.00*
AMD Opteron 2380	2640	1408	58.69	\$45.00
AMD Opteron 2384	3538	1128	4.21	\$840.00*
AMD Opteron 2386 SE	3538	1129	NA	NA
AMD Opteron 2393 SE	2246	1560	NA	NA
AMD Opteron 2427	3069	1266	31.00	\$99.00
AMD Opteron 2431	4516	919	112.91	\$40.00
AMD Opteron 2435	4708	877	24.91	\$189.00
AMD Opteron 3250 HE	2942	1307	29.73	\$99.00*
AMD Opteron 3260 HE	3259	1198	NA	NA
AMD Opteron 3280	5403	752	19.78	\$273.18*
AMD Opteron 3320 EE	2675	1398	NA	NA
AMD Opteron 3350 HE	4009	1012	NA	NA
AMD Opteron 3365	5963	681	NA	NA
AMD Opteron 3380	6384	641	7.89	\$809.00*
AMD Opteron 4122	2942	1308	23.55	\$124.99*
AMD Opteron 4162 EE	3166	1234	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 4170 HE	3664	1098	62.11	\$59.00*
AMD Opteron 4184	4418	939	8.50	\$519.95*
AMD Opteron 4280	6430	632	128.60	\$50.00
AMD Opteron 4284	6660	614	111.03	\$59.99*
AMD Opteron 4332 HE	5614	722	NA	NA
AMD Opteron 4334	6099	670	28.18	\$216.42*
AMD Opteron 4365 EE	5025	817	NA	NA
AMD Opteron 4386	6761	601	48.30	\$139.99*
AMD Opteron 6128	4505	920	225.37	\$19.99
AMD Opteron 6134	2938	1309	66.81	\$43.99
AMD Opteron 6136	4631	892	42.10	\$110.00*
AMD Opteron 6164 HE	5351	761	NA	NA
AMD Opteron 6172	5261	773	26.57	\$198.00
AMD Opteron 6174	6171	660	62.34	\$99.00
AMD Opteron 6176 SE	5465	742	34.37	\$159.00*
AMD Opteron 6212	5776	702	192.62	\$29.99*
AMD Opteron 6220	6785	597	113.11	\$59.99*
AMD Opteron 6234	5938	685	198.27	\$29.95*
AMD Opteron 6238	7673	518	127.92	\$59.99*
AMD Opteron 6272	6748	604	10.24	\$658.89
AMD Opteron 6274	4865	849	105.80	\$45.99
AMD Opteron 6276	8889	408	52.60	\$169.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Opteron 6282 SE	9116	383	70.13	\$129.99*
AMD Opteron 6287 SE	9789	322	NA	NA
AMD Opteron 6328	7813	499	21.76	\$359.00
AMD Opteron 6366 HE	7503	530	37.52	\$199.99*
AMD Opteron 6376	9212	374	141.72	\$65.00
AMD Opteron 6378	9094	386	22.79	\$399.00
AMD Opteron 6380	10081	295	103.95	\$96.99
AMD Opteron 6386 SE	10912	251	72.75	\$149.99*
AMD Opteron 8354	2255	1556	93.98	\$24.00
AMD Opteron 8439 SE	3813	1059	50.84	\$75.00*
AMD Opteron X2170 APU	3059	1270	NA	NA
AMD Opteron X3216 APU	2366	1512	NA	NA
AMD Opteron X3418 APU	4659	884	NA	NA
AMD Opteron X3421 APU	4928	838	NA	NA
AMD Phenom 2 X4 12000	3005	1289	NA	NA
AMD Phenom 7950 Quad-Core	2991	1292	NA	NA
AMD Phenom 8250 Triple-Core	1668	1827	NA	NA
AMD Phenom 8250e Triple-Core	1619	1855	34.45	\$46.99*
AMD Phenom 8400 Triple-Core	1632	1846	NA	NA
AMD Phenom 8450 Triple-Core	1889	1717	63.08	\$29.95*
AMD Phenom 8450e Triple-Core	2026	1646	NA	NA
AMD Phenom 8600 Triple-Core	1706	1803	32.20	\$52.99*
AMD Phenom 8600B Triple-Core	1924	1692	36.33	\$52.99*
AMD Phenom 8650 Triple-Core	1989	1663	39.79	\$49.99*
AMD Phenom 8750 Triple-Core	2058	1635	NA	NA
AMD Phenom 8750B Triple-Core	2034	1642	NA	NA
AMD Phenom 8850 Triple-Core	1968	1673	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom 8850B Triple-Core	2080	1626	NA	NA
AMD Phenom 9100e Quad-Core	1835	1742	45.96	\$39.95*
AMD Phenom 9150e Quad-Core	2113	1611	52.91	\$39.95*
AMD Phenom 9350e Quad-Core	2320	1521	0.69	\$3,382.07*
AMD Phenom 9450e Quad-Core	2599	1420	24.76	\$105.00*
AMD Phenom 9500 Quad-Core	2204	1577	76.03	\$28.99*
AMD Phenom 9550 Quad-Core	2543	1443	87.74	\$28.99*
AMD Phenom 9600 Quad-Core	2306	1530	46.18	\$49.95*
AMD Phenom 9600B Quad-Core	2573	1432	17.48	\$147.19*
AMD Phenom 9650 Quad-Core	2636	1409	47.98	\$54.95*
AMD Phenom 9750 Quad-Core	2812	1356	95.36	\$29.49*
AMD Phenom 9750B Quad-Core	2709	1389	NA	NA
AMD Phenom 9850 Quad-Core	2892	1332	24.11	\$119.99*
AMD Phenom 9850B Quad-Core	3160	1238	NA	NA
AMD Phenom 9950 Quad-Core	3010	1285	22.30	\$134.99*
AMD Phenom FX-5000 Quad-Core	2517	1453	NA	NA
AMD Phenom FX-5200 Quad-Core	2948	1306	NA	NA
AMD Phenom FX-7750 Quad-Core	3616	1105	NA	NA
AMD Phenom II 42 TWKR Black Edition	3489	1141	NA	NA
AMD Phenom II N620 Dual-Core	1679	1818	420.83	\$3.99*
AMD Phenom II N640 Dual-Core	1716	1794	26.42	\$64.95*
AMD Phenom II N660 Dual-Core	1851	1731	18.70	\$99.00*
AMD Phenom II N830 3+1	2652	1404	NA	NA
AMD Phenom II N830 Triple-Core	1889	1715	NA	NA
AMD Phenom II N850 Triple-Core	1937	1685	77.51	\$25.00*
AMD Phenom II N870 Triple-Core	1993	1660	NA	NA
AMD Phenom II N930 Quad-Core	2274	1546	17.50	\$129.95*
AMD Phenom II N950 Quad-Core	2485	1467	22.07	\$112.60*
AMD Phenom II N970 Quad-Core	2523	1450	16.83	\$149.99*
AMD Phenom II P650 Dual-Core	1597	1868	45.66	\$35.00*
AMD Phenom II P820 Triple-Core	1604	1863	NA	NA
AMD Phenom II P840 Triple-Core	1722	1788	NA	NA
AMD Phenom II P860 Triple-Core	1756	1771	NA	NA
AMD Phenom II P920 Quad-Core	1866	1724	24.89	\$75.00*
AMD Phenom II P940 Quad-Core	1820	1749	NA	NA
AMD Phenom II P960 Quad-Core	2086	1623	74.52	\$28.00*
AMD Phenom II X2 511	2104	1616	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 521	2071	1629	NA	NA
AMD Phenom II X2 545	1914	1698	43.52	\$43.98*
AMD Phenom II X2 550	2021	1647	40.44	\$49.99*
AMD Phenom II X2 555	2045	1639	73.10	\$27.98*
AMD Phenom II X2 560	2059	1633	31.70	\$64.99*
AMD Phenom II X2 565	2222	1571	74.12	\$29.99*
AMD Phenom II X2 570	2068	1630	NA	NA
AMD Phenom II X2 B53	1709	1800	NA	NA
AMD Phenom II X2 B55	1921	1694	40.02	\$48.00*
AMD Phenom II X2 B57	1826	1747	NA	NA
AMD Phenom II X2 B59	2131	1602	109.42	\$19.48*
AMD Phenom II X3 700e	2242	1562	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X3 705e	2227	1568	14.63	\$152.34*
AMD Phenom II X3 710	2446	1478	28.94	\$84.53*
AMD Phenom II X3 715	2649	1406	31.17	\$84.99*
AMD Phenom II X3 720	2669	1399	38.14	\$69.99*
AMD Phenom II X3 740	2985	1293	33.55	\$88.99*
AMD Phenom II X3 B73	2735	1384	36.47	\$75.00*
AMD Phenom II X3 B75	2906	1320	72.69	\$39.99*
AMD Phenom II X3 B77	3067	1267	137.64	\$22.29*
AMD Phenom II X4 805	2998	1290	17.24	\$173.99*
AMD Phenom II X4 810	3122	1250	26.92	\$115.99*
AMD Phenom II X4 820	3396	1164	45.31	\$74.95*
AMD Phenom II X4 830	3434	1156	42.95	\$79.95*
AMD Phenom II X4 840	3508	1135	39.00	\$89.95*
AMD Phenom II X4 840T	3599	1110	45.02	\$79.95
AMD Phenom II X4 850	3549	1124	54.62	\$64.99*
AMD Phenom II X4 900e	2882	1336	NA	NA
AMD Phenom II X4 905e	3078	1264	57.02	\$53.99*
AMD Phenom II X4 910	3252	1202	32.52	\$100.00*
AMD Phenom II X4 910e	3254	1200	20.73	\$156.99*
AMD Phenom II X4 920	3393	1167	42.42	\$79.99
AMD Phenom II X4 925	3420	1157	77.76	\$43.99*
AMD Phenom II X4 940	3590	1112	60.51	\$59.34*
AMD Phenom II X4 945	3655	1101	53.67	\$68.11
AMD Phenom II X4 955	3926	1035	30.17	\$130.16*
AMD Phenom II X4 960T	3782	1066	59.11	\$63.99*
AMD Phenom II X4 965	4183	984	49.76	\$84.07
AMD Phenom II X4 970	4320	959	29.17	\$148.11*
AMD Phenom II X4 973	3759	1073	NA	NA
AMD Phenom II X4 975	4455	928	31.90	\$139.69*
AMD Phenom II X4 977	3750	1078	NA	NA
AMD Phenom II X4 980	4493	924	19.54	\$229.99*
AMD Phenom II X4 8700e	2377	1505	NA	NA
AMD Phenom II X4 B05e	2792	1360	NA	NA
AMD Phenom II X4 B15e	2736	1383	NA	NA
AMD Phenom II X4 B25	3297	1192	NA	NA
AMD Phenom II X4 B35	3383	1170	NA	NA
AMD Phenom II X4 B40	3361	1175	NA	NA
AMD Phenom II X4 B45	3470	1148	NA	NA
AMD Phenom II X4 B50	3699	1090	NA	NA
AMD Phenom II X4 B55	3854	1046	NA	NA
AMD Phenom II X4 B60	4043	1006	NA	NA
AMD Phenom II X4 B65	4172	985	NA	NA
AMD Phenom II X4 B70	4261	967	NA	NA
AMD Phenom II X4 B93	3358	1177	NA	NA
AMD Phenom II X4 B95	3684	1097	50.51	\$72.95*
AMD Phenom II X4 B97	3865	1044	67.82	\$56.99*
AMD Phenom II X4 B99	4130	993	NA	NA
AMD Phenom II X6 1035T	4641	886	24.56	\$189.00*
AMD Phenom II X6 1045T	4799	863	44.44	\$108.01*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X6 1055T	4959	833	61.81	\$80.24*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Phenom II X6 1065T	5042	815	NA	NA
AMD Phenom II X6 1075T	5331	766	47.19	\$112.99*
AMD Phenom II X6 1090T	5567	727	14.06	\$396.08*
AMD Phenom II X6 1100T	5711	708	32.18	\$177.49*
AMD Phenom II X6 1405T	5042	814	NA	NA
AMD Phenom II X620 Dual-Core	2189	1583	NA	NA
AMD Phenom II X640 Dual-Core	2021	1648	NA	NA
AMD Phenom II X920 Quad-Core	2650	1405	NA	NA
AMD Phenom II X940 Quad-Core	2695	1392	NA	NA
AMD Phenom Ultra X4 24500	3945	1031	NA	NA
AMD Phenom X2 Dual-Core GE-4060	1697	1809	NA	NA
AMD Phenom X2 Dual-Core GE-5560	2206	1576	NA	NA
AMD Phenom X2 Dual-Core GE-7060	1752	1774	NA	NA
AMD Phenom X2 Dual-Core GP-5000	1180	2075	NA	NA
AMD Phenom X2 Dual-Core GP-7730	1435	1936	NA	NA
AMD Phenom X3 8550	1927	1690	11.34	\$169.95*
AMD Phenom X4 Quad-Core GP-9500	1757	1769	NA	NA
AMD Phenom X4 Quad-Core GP-9530	1994	1659	NA	NA
AMD Phenom X4 Quad-Core GP-9600	2235	1565	NA	NA
AMD Phenom X4 Quad-Core GP-9730	2897	1331	NA	NA
AMD Phenom X4 Quad-Core GP-9830	2715	1388	NA	NA
AMD Phenom X4 Quad-Core GP-9930	2690	1393	NA	NA
AMD Phenom X4 Quad-Core GS-5560	1211	2059	NA	NA
AMD PRO A4-3350B APU	2274	1547	NA	NA
AMD PRO A4-8350B	2776	1365	NA	NA
AMD PRO A6-7350B	2759	1374	NA	NA
AMD PRO A6-8500B	2516	1454	NA	NA
AMD PRO A6-8530B	2388	1500	NA	NA
AMD PRO A6-8550B	2970	1300	NA	NA
AMD PRO A6-8570	3049	1276	NA	NA
AMD PRO A6-8570E	2824	1348	NA	NA
AMD PRO A6-9500	3207	1216	43.34	\$74.00*
AMD PRO A6-9500B	2076	1628	NA	NA
AMD PRO A6-9500E	2760	1373	37.30	\$74.00*
AMD PRO A8-8600B	3521	1132	NA	NA
AMD PRO A8-8650B	5266	772	NA	NA
AMD PRO A8-8670E	5015	819	NA	NA
AMD PRO A8-9600	5277	771	44.35	\$119.00*
AMD PRO A8-9600B	3973	1022	NA	NA
AMD PRO A10-8700B	3551	1123	NA	NA
AMD PRO A10-8730B	3971	1024	NA	NA
AMD PRO A10-8750B	5473	737	NA	NA
AMD PRO A10-8770	5707	709	NA	NA
AMD PRO A10-8770E	5035	816	NA	NA
AMD PRO A10-8850B	5852	693	NA	NA
AMD PRO A10-9700	5677	714	33.59	\$169.00*
AMD PRO A10-9700B	4393	943	NA	NA
AMD PRO A10-9700E	5066	806	36.45	\$139.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD PRO A12-8800B	4122	996	NA	NA
AMD PRO A12-8830B	4325	957	NA	NA
AMD PRO A12-8870	6067	674	NA	NA
AMD PRO A12-8870E	5186	787	NA	NA
AMD PRO A12-9800	6154	662	36.42	\$169.00*
AMD PRO A12-9800B	4123	995	NA	NA
AMD PRO A12-9800E	4769	867	28.22	\$169.00*
AMD QC-4000	1663	1832	NA	NA
AMD R-260H APU	1576	1875	NA	NA
AMD R-460L APU	1954	1679	NA	NA
AMD R-464L APU	3117	1252	NA	NA
AMD RX-427BB	4349	950	NA	NA
AMD Ryzen 3 1200	6737	605	100.64	\$66.95
AMD Ryzen 3 1300X	7503	529	72.48	\$103.52
AMD Ryzen 3 2200G	7310	554	84.04	\$86.99
AMD Ryzen 3 2200GE	6778	598	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 3 2200U	4546	912	NA	NA
AMD Ryzen 3 2300U	6179	658	NA	NA
AMD Ryzen 3 2300X	8518	436	NA	NA
AMD Ryzen 3 3200U	4722	874	NA	NA
AMD Ryzen 3 PRO 1200	7069	573	NA	NA
AMD Ryzen 3 PRO 1300	8022	481	NA	NA
AMD Ryzen 3 PRO 2100GE	5113	794	NA	NA
AMD Ryzen 3 PRO 2200G	8042	479	NA	NA
AMD Ryzen 3 PRO 2200GE	7698	512	NA	NA
AMD Ryzen 3 PRO 2300U	7124	569	NA	NA
AMD Ryzen 3 PRO 3300U	7398	544	NA	NA
AMD Ryzen 5 1400	8369	447	58.13	\$143.98
AMD Ryzen 5 1500X	10082	294	70.12	\$143.79
AMD Ryzen 5 1600	12278	212	102.33	\$119.99
AMD Ryzen 5 1600X	13232	184	89.88	\$147.23
AMD Ryzen 5 2400G	9310	364	67.74	\$137.44
AMD Ryzen 5 2400GE	8345	450	NA	NA
AMD Ryzen 5 2500U	7336	549	NA	NA
AMD Ryzen 5 2500X	9663	333	NA	NA
AMD Ryzen 5 2600	13530	179	90.21	\$149.99
AMD Ryzen 5 2600H	7949	488	NA	NA
AMD Ryzen 5 2600X	14380	150	82.18	\$174.99
AMD Ryzen 5 3500U	7696	513	NA	NA
AMD Ryzen 5 3550H	8538	435	NA	NA
AMD Ryzen 5 PRO 1500	10133	289	NA	NA
AMD Ryzen 5 PRO 1600	12213	214	NA	NA
AMD Ryzen 5 PRO 2400G	10015	299	NA	NA
AMD Ryzen 5 PRO 2400GE	8635	430	NA	NA
AMD Ryzen 5 PRO 2500U	8407	444	NA	NA
AMD Ryzen 5 PRO 2600	14407	148	NA	NA
AMD Ryzen 7 1700	13769	169	79.93	\$172.27
AMD Ryzen 7 1700X	14684	139	81.60	\$179.95
AMD Ryzen 7 1800X	15416	128	74.49	\$206.95
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Ryzen 7 2700	15045	134	68.39	\$219.99
AMD Ryzen 7 2700U	7327	552	NA	NA
AMD Ryzen 7 2700X	16984	90	59.82	\$283.95
AMD Ryzen 7 2800H	8498	437	NA	NA
AMD Ryzen 7 3700U	6416	635	NA	NA
AMD Ryzen 7 3750H	9581	336	NA	NA
AMD Ryzen 7 PRO 1700	14171	155	NA	NA
AMD Ryzen 7 PRO 1700X	15349	130	NA	NA
AMD Ryzen 7 PRO 2700	15897	119	NA	NA
AMD Ryzen 7 PRO 2700U	8880	410	NA	NA
AMD Ryzen 7 PRO 2700X	17276	86	NA	NA
AMD Ryzen 7 PRO 3700U	9146	378	NA	NA
AMD Ryzen Embedded V1202B	5051	809	NA	NA
AMD Ryzen Embedded V1605B	7797	501	NA	NA
AMD Ryzen Embedded V1807B	8247	454	NA	NA
AMD Ryzen Threadripper 1900X	16121	111	55.59	\$289.99
AMD Ryzen Threadripper 1920X	19599	61	62.67	\$312.73
AMD Ryzen Threadripper 1950X	21836	34	43.67	\$499.99
AMD Ryzen Threadripper 2920X	21967	31	36.61	\$599.99
AMD Ryzen Threadripper 2950X	25472	13	30.95	\$822.99
AMD Ryzen Threadripper 2970WX	21875	33	17.79	\$1,229.99
AMD Ryzen Threadripper 2990WX	23365	24	14.46	\$1,615.34
AMD Ryzen Threadripper 2990X	19227	65	NA	NA
AMD Sempron 130	656	2363	26.29	\$24.99*
AMD Sempron 140	735	2324	18.58	\$39.59*
AMD Sempron 145	806	2296	8.49	\$94.92
AMD Sempron 150	707	2338	15.74	\$44.95*
AMD Sempron 200U	267	2727	3.08	\$87.00*
AMD Sempron 210U	391	2573	NA	NA
AMD Sempron 240	2110	1613	36.39	\$58.00
AMD Sempron 2100+	392	2571	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Sempron 2200+	281	2711	9.38	\$29.99*
AMD Sempron 2300+	318	2648	7.07	\$45.00*
AMD Sempron 2400+	314	2655	12.10	\$26.00*
AMD Sempron 2500+	335	2631	6.11	\$54.95*
AMD Sempron 2600+	373	2589	10.70	\$34.95
AMD Sempron 2650 APU	944	2225	17.60	\$53.68
AMD Sempron 2800+	383	2577	6.40	\$59.95
AMD Sempron 3000+	408	2545	20.41	\$20.00
AMD Sempron 3100+	452	2498	7.53	\$60.00*
AMD Sempron 3200+	406	2546	3.10	\$131.22*
AMD Sempron 3300+	484	2467	8.07	\$60.00
AMD Sempron 3400+	454	2496	3.47	\$131.22*
AMD Sempron 3500+	379	2580	18.98	\$20.00*
AMD Sempron 3600+	483	2469	40.30	\$12.00*
AMD Sempron 3800+	554	2415	3.62	\$152.92*
AMD Sempron 3850 APU	1711	1797	27.61	\$62.00
AMD Sempron Dual Core 2100	936	2227	24.02	\$39.00*
AMD Sempron Dual Core 2200	995	2184	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Sempron Dual Core 2300	982	2193	23.39	\$41.99*
AMD Sempron Dual Core 4700	948	2219	NA	NA
AMD Sempron Dual Core 4900	1081	2136	NA	NA
AMD Sempron LE-250	490	2456	NA	NA
AMD Sempron LE-1100	438	2515	NA	NA
AMD Sempron LE-1150	444	2506	NA	NA
AMD Sempron LE-1200	528	2429	NA	NA
AMD Sempron LE-1250	541	2421	5.41	\$99.95*
AMD Sempron LE-1300	598	2391	27.22	\$22.00
AMD Sempron LE-1600	535	2426	NA	NA
AMD Sempron LE-1620	635	2373	NA	NA
AMD Sempron LE-1640	759	2314	NA	NA
AMD Sempron M100	561	2412	46.80	\$12.00*
AMD Sempron M120	582	2399	NA	NA
AMD Sempron SI-40	443	2508	36.93	\$12.00*
AMD Sempron SI-42	456	2495	15.22	\$30.01*
AMD Sempron X2 180	1222	2052	17.62	\$69.40*
AMD Sempron X2 190	1512	1906	18.12	\$83.44*
AMD Sempron X2 198 Dual-Core	1413	1947	NA	NA
AMD Turion 64 Mobile MK-36	465	2482	NA	NA
AMD Turion 64 Mobile MK-38	513	2440	NA	NA
AMD Turion 64 Mobile ML-28	390	2574	NA	NA
AMD Turion 64 Mobile ML-30	402	2555	NA	NA
AMD Turion 64 Mobile ML-32	410	2540	NA	NA
AMD Turion 64 Mobile ML-34	425	2531	NA	NA
AMD Turion 64 Mobile ML-37	442	2509	2.25	\$196.50*
AMD Turion 64 Mobile ML-40	522	2434	NA	NA
AMD Turion 64 Mobile ML-42	615	2382	NA	NA
AMD Turion 64 Mobile ML-44	591	2393	NA	NA
AMD Turion 64 Mobile MT-28	419	2533	NA	NA
AMD Turion 64 Mobile MT-30	378	2581	NA	NA
AMD Turion 64 Mobile MT-32	426	2530	NA	NA
AMD Turion 64 Mobile MT-34	429	2526	NA	NA
AMD Turion 64 Mobile MT-37	484	2466	NA	NA
AMD Turion 64 Mobile MT-40	536	2424	NA	NA
AMD Turion 64 X2 Mobile TL-50	747	2320	14.95	\$49.99*
AMD Turion 64 X2 Mobile TL-52	763	2310	NA	NA
AMD Turion 64 X2 Mobile TL-56	890	2255	44.53	\$20.00*
AMD Turion 64 X2 Mobile TL-58	946	2221	NA	NA
AMD Turion 64 X2 Mobile TL-60	995	2185	45.35	\$21.95*
AMD Turion 64 X2 Mobile TL-62	1087	2130	3.50	\$311.00*
AMD Turion 64 X2 Mobile TL-64	1094	2127	27.78	\$39.39*
AMD Turion 64 X2 Mobile TL-66	1141	2102	3.02	\$378.00*
AMD Turion 64 X2 Mobile TL-68	1162	2088	12.92	\$90.00*
AMD Turion Dual-Core RM-70	912	2246	36.49	\$25.00*
AMD Turion Dual-Core RM-72	860	2264	22.65	\$38.00*



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
AMD Turion Dual-Core RM-74	1016	2170	NA	NA
AMD Turion Dual-Core RM-75	977	2195	35.61	\$27.46*
AMD Turion II Dual-Core Mobile M500	1293	2008	NA	NA
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 M520	1305	1999	18.89	\$69.10*
AMD Turion II Dual-Core Mobile M540	1338	1985	NA	NA
AMD Turion II N530 Dual-Core	1583	1874	52.78	\$30.00*
AMD Turion II N550 Dual-Core	1521	1894	NA	NA
AMD Turion II Neo K625 Dual-Core	975	2197	NA	NA
AMD Turion II Neo K685 Dual-Core	1186	2072	NA	NA
AMD Turion II Neo N40L Dual-Core	929	2230	NA	NA
AMD Turion II Neo N54L Dual-Core	1361	1969	NA	NA
AMD Turion II P520 Dual-Core	1359	1974	NA	NA
AMD Turion II P540 Dual-Core	1430	1939	28.63	\$49.95*
AMD Turion II P560 Dual-Core	1514	1904	NA	NA
AMD Turion II Ultra Dual-Core Mobile M600	1406	1949	78.98	\$17.81
AMD Turion II Ultra Dual-Core Mobile M620	1433	1938	NA	NA
AMD Turion II Ultra Dual-Core Mobile M640	1669	1826	NA	NA
AMD Turion II Ultra Dual-Core Mobile M660	1533	1890	NA	NA
AMD Turion Neo X2 Dual Core L625	813	2292	NA	NA
AMD Turion X2 Dual Core L510	923	2237	NA	NA
AMD Turion X2 Dual Core Mobile RM-70	858	2266	6.48	\$132.56*
AMD Turion X2 Dual Core Mobile RM-76	1059	2145	NA	NA
AMD Turion X2 Dual-Core Mobile RM-70	993	2189	NA	NA
AMD Turion X2 Dual-Core Mobile RM-72	1085	2132	4.84	\$224.26*
AMD Turion X2 Dual-Core Mobile RM-74	1059	2144	43.31	\$24.47*
AMD Turion X2 Dual-Core Mobile RM-75	1137	2104	NA	NA
AMD Turion X2 Dual-Core Mobile RM-77	1149	2096	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-80	1012	2171	72.31	\$14.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-82	1084	2134	NA	NA
AMD Turion X2 Ultra Dual-Core Mobile ZM-84	1209	2060	63.72	\$18.99*
AMD Turion X2 Ultra Dual-Core Mobile ZM-85	1234	2045	27.43	\$45.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-86	1297	2006	23.58	\$55.00*
AMD Turion X2 Ultra Dual-Core Mobile ZM-87	1232	2048	30.86	\$39.95*
AMD TurionX2 Dual Core Mobile RM-70	997	2183	NA	NA
AMD TurionX2 Dual Core Mobile RM-72	1026	2163	NA	NA
AMD TurionX2 Ultra DualCore Mobile ZM-85	1454	1929	NA	NA
AMD V105	299	2675	NA	NA
AMD V120	623	2380	NA	NA
AMD V140	643	2370	12.88	\$49.95*
AMD V160	677	2355	NA	NA
AMD Z-01	523	2433	NA	NA
AMD Z-60 APU	500	2451	NA	NA
AMD-K6 3D	90	2851	NA	NA
AMD-K6-III	108	2848	NA	NA
AMD-K7	403	2553	NA	NA
Athlon 64 Dual Core 3800+	1234	2046	NA	NA
Athlon 64 Dual Core 4200+	1156	2092	5.64	\$204.95*
Athlon 64 Dual Core 4800+	1370	1965	NA	NA
Athlon 64 Dual Core 5000+	1507	1907	NA	NA
Athlon 64 Dual Core 5400+	1614	1859	NA	NA
Athlon 64 Dual Core 5600+	1548	1885	NA	NA
Athlon Dual Core 4050e	968	2202	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Athlon Dual Core 4450e	1204	2062	NA	NA
Athlon Dual Core 4850e	1327	1989	NA	NA
Celeron Dual-Core Q8300 @ 2.50GHz	2837	1343	NA	NA
Celeron Dual-Core T3000 @ 1.80GHz	1084	2133	NA	NA
Celeron Dual-Core T3100 @ 1.90GHz	1170	2083	NA	NA
Celeron Dual-Core T3300 @ 2.00GHz	1201	2065	NA	NA
Celeron Dual-Core T3500 @ 2.10GHz	1275	2022	NA	NA
Dual-Core AMD Opteron 1220 SE	1206	2061	NA	NA
HP Hexa-Core 2.0GHz	2178	1585	4.32	\$504.27*
Intel 1300 @ 1.66GHz	857	2268	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel 1400 @ 1.83GHz	980	2194	NA	NA
Intel 1500 @ 2.00GHz	1024	2165	NA	NA
Intel Atom 230 @ 1.60GHz	307	2662	NA	NA
Intel Atom 330 @ 1.60GHz	587	2397	NA	NA
Intel Atom C2338 @ 1.74GHz	898	2254	NA	NA
Intel Atom C2358 @ 1.74GHz	961	2209	NA	NA
Intel Atom C2538 @ 2.40GHz	2085	1624	20.05	\$104.00*
Intel Atom C2550 @ 2.40GHz	2261	1554	NA	NA
Intel Atom C2558 @ 2.40GHz	2169	1587	15.95	\$136.00*
Intel Atom C2750 @ 2.40GHz	3806	1062	16.41	\$232.00*
Intel Atom C2750 @ 2.41GHz	3344	1181	NA	NA
Intel Atom C2758 @ 2.40GHz	3162	1237	14.72	\$214.86*
Intel Atom C3538 @ 2.10GHz	2455	1475	32.73	\$75.00*
Intel Atom C3558 @ 2.20GHz	2538	1445	29.52	\$86.00*
Intel Atom C3858 @ 2.00GHz	4852	851	14.62	\$332.00*
Intel Atom D410 @ 1.66GHz	301	2671	0.47	\$635.99*
Intel Atom D425 @ 1.80GHz	345	2623	0.35	\$992.98*
Intel Atom D510 @ 1.66GHz	657	2362	6.76	\$97.16*
Intel Atom D525 @ 1.80GHz	706	2339	NA	NA
Intel Atom D2500 @ 1.86GHz	403	2551	NA	NA
Intel Atom D2550 @ 1.86GHz	680	2352	NA	NA
Intel Atom D2560 @ 2.00GHz	711	2334	NA	NA
Intel Atom D2700 @ 2.13GHz	842	2277	NA	NA
Intel Atom D2701 @ 2.13GHz	720	2331	NA	NA
Intel Atom E660 @ 1.30GHz	271	2722	5.03	\$54.00*
Intel Atom E680 @ 1.60GHz	346	2620	NA	NA
Intel Atom E3815 @ 1.46GHz	331	2636	1.58	\$209.99
Intel Atom E3825 @ 1.33GHz	579	2402	8.24	\$70.32*
Intel Atom E3826 @ 1.46GHz	489	2458	NA	NA
Intel Atom E3827 @ 1.74GHz	849	2273	NA	NA
Intel Atom E3840 @ 1.91GHz	1162	2089	NA	NA
Intel Atom E3845 @ 1.91GHz	1501	1909	NA	NA
Intel Atom E3940 @ 1.60GHz	1867	1723	NA	NA
Intel Atom E3950 @ 1.60GHz	1855	1729	NA	NA
Intel Atom K510 @ 1.66GHz	658	2361	NA	NA
Intel Atom N270 @ 1.60GHz	270	2726	NA	NA
Intel Atom N280 @ 1.66GHz	283	2704	NA	NA
Intel Atom N435 @ 1.33GHz	261	2734	NA	NA
Intel Atom N450 @ 1.66GHz	295	2683	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom N455 @ 1.66GHz	283	2702	NA	NA
Intel Atom N470 @ 1.83GHz	318	2647	NA	NA
Intel Atom N475 @ 1.83GHz	314	2653	NA	NA
Intel Atom N550 @ 1.50GHz	524	2432	6.10	\$86.00*
Intel Atom N570 @ 1.66GHz	572	2407	6.66	\$86.00*
Intel Atom N2100 @ 1.60GHz	302	2667	NA	NA
Intel Atom N2600 @ 1.60GHz	525	2430	NA	NA
Intel Atom N2800 @ 1.86GHz	624	2378	NA	NA
Intel Atom S1260 @ 2.00GHz	916	2242	14.32	\$64.00*
Intel Atom T5700 @ 1.70GHz	2039	1640	NA	NA
Intel Atom x5-E3930 @ 1.30GHz	811	2293	NA	NA
Intel Atom x5-E8000 @ 1.04GHz	1623	1854	NA	NA
Intel Atom x5-Z8300 @ 1.44GHz	1194	2068	8.98	\$132.99*
Intel Atom x5-Z8330 @ 1.44GHz	1018	2169	NA	NA
Intel Atom x5-Z8350 @ 1.44GHz	1266	2030	60.31	\$21.00*
Intel Atom x5-Z8500 @ 1.44GHz	1692	1814	27.06	\$62.57*
Intel Atom x5-Z8550 @ 1.44GHz	1837	1741	NA	NA
Intel Atom x7-Z8700 @ 1.60GHz	1893	1710	25.72	\$73.63*
Intel Atom x7-Z8750 @ 1.60GHz	1889	1716	NA	NA
Intel Atom Z510 @ 1.10GHz	194	2802	4.33	\$45.00*
Intel Atom Z515 @ 1.20GHz	218	2778	NA	NA
Intel Atom Z520 @ 1.33GHz	216	2781	NA	NA
Intel Atom Z530 @ 1.60GHz	281	2710	NA	NA
Intel Atom Z540 @ 1.86GHz	348	2617	NA	NA
Intel Atom Z550 @ 2.00GHz	381	2578	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Atom Z670 @ 1.50GHz	243	2758	NA	NA
Intel Atom Z2760 @ 1.80GHz	568	2410	NA	NA
Intel Atom Z3735D @ 1.33GHz	914	2243	NA	NA
Intel Atom Z3735E @ 1.33GHz	927	2233	7.93	\$117.00*
Intel Atom Z3735F @ 1.33GHz	908	2250	5.01	\$181.30*
Intel Atom Z3735G @ 1.33GHz	907	2251	NA	NA
Intel Atom Z3736F @ 1.33GHz	919	2241	NA	NA
Intel Atom Z3740 @ 1.33GHz	1061	2143	NA	NA
Intel Atom Z3740D @ 1.33GHz	1025	2164	NA	NA
Intel Atom Z3745 @ 1.33GHz	1079	2139	35.98	\$30.00*
Intel Atom Z3745D @ 1.33GHz	1034	2157	NA	NA
Intel Atom Z3770 @ 1.46GHz	1245	2043	8.34	\$149.44*
Intel Atom Z3770D @ 1.49GHz	805	2297	NA	NA
Intel Atom Z3775 @ 1.46GHz	1259	2031	35.98	\$35.00*
Intel Atom Z3775D @ 1.49GHz	1278	2021	NA	NA
Intel Atom Z3795 @ 1.60GHz	1772	1764	NA	NA
Intel Celeron 1.70GHz	130	2841	NA	NA
Intel Celeron 1.80GHz	136	2838	NA	NA
Intel Celeron 2.00GHz	182	2814	NA	NA
Intel Celeron 2.10GHz	244	2756	NA	NA
Intel Celeron 2.13GHz	208	2789	NA	NA
Intel Celeron 2.20GHz	213	2784	NA	NA
Intel Celeron 2.26GHz	223	2773	NA	NA
Intel Celeron 2.30GHz	227	2770	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 2.40GHz	217	2779	NA	NA
Intel Celeron 2.50GHz	247	2750	NA	NA
Intel Celeron 2.53GHz	245	2754	NA	NA
Intel Celeron 2.60GHz	238	2761	NA	NA
Intel Celeron 2.66GHz	250	2747	NA	NA
Intel Celeron 2.70GHz	245	2755	NA	NA
Intel Celeron 2.80GHz	254	2740	NA	NA
Intel Celeron 2.93GHz	283	2703	NA	NA
Intel Celeron 3.06GHz	285	2699	NA	NA
Intel Celeron 3.20GHz	288	2692	NA	NA
Intel Celeron 3.33GHz	333	2634	NA	NA
Intel Celeron 215 @ 1.33GHz	322	2642	NA	NA
Intel Celeron 220 @ 1.20GHz	320	2644	NA	NA
Intel Celeron 420 @ 1.60GHz	450	2500	11.27	\$39.99*
Intel Celeron 430 @ 1.80GHz	490	2457	9.12	\$53.75
Intel Celeron 440 @ 2.00GHz	548	2416	9.14	\$59.99
Intel Celeron 450 @ 2.20GHz	624	2379	20.82	\$29.99*
Intel Celeron 530 @ 1.73GHz	470	2478	20.46	\$23.00*
Intel Celeron 540 @ 1.86GHz	521	2435	NA	NA
Intel Celeron 550 @ 2.00GHz	517	2437	7.96	\$64.95
Intel Celeron 560 @ 2.13GHz	535	2425	6.70	\$79.95*
Intel Celeron 570 @ 2.26GHz	517	2436	NA	NA
Intel Celeron 600MHz	147	2834	NA	NA
Intel Celeron 723 @ 1.20GHz	405	2549	NA	NA
Intel Celeron 743 @ 1.30GHz	429	2525	NA	NA
Intel Celeron 807 @ 1.50GHz	751	2318	NA	NA
Intel Celeron 807UE @ 1.00GHz	369	2595	NA	NA
Intel Celeron 827E @ 1.40GHz	613	2383	NA	NA
Intel Celeron 847 @ 1.10GHz	935	2228	2.97	\$315.00*
Intel Celeron 847E @ 1.10GHz	1030	2159	NA	NA
Intel Celeron 857 @ 1.20GHz	1146	2100	NA	NA
Intel Celeron 867 @ 1.30GHz	1173	2081	39.12	\$29.99*
Intel Celeron 877 @ 1.40GHz	1290	2012	NA	NA
Intel Celeron 887 @ 1.50GHz	1274	2023	NA	NA
Intel Celeron 900 @ 2.20GHz	677	2354	23.39	\$28.99
Intel Celeron 925 @ 2.30GHz	695	2344	NA	NA
Intel Celeron 1000M @ 1.80GHz	1676	1820	NA	NA
Intel Celeron 1000MHz	213	2783	NA	NA
Intel Celeron 1005M @ 1.90GHz	1811	1751	NA	NA
Intel Celeron 1007U @ 1.50GHz	1389	1955	7.51	\$184.99*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 1017U @ 1.60GHz	1520	1896	NA	NA
Intel Celeron 1019Y @ 1.00GHz	946	2222	NA	NA
Intel Celeron 1020E @ 2.20GHz	2232	1567	NA	NA
Intel Celeron 1037U @ 1.80GHz	1736	1783	NA	NA
Intel Celeron 1047UE @ 1.40GHz	1188	2071	NA	NA
Intel Celeron 1066MHz	259	2736	NA	NA
Intel Celeron 1100MHz	174	2820	NA	NA
Intel Celeron 1133MHz	282	2705	NA	NA
Intel Celeron 1200MHz	244	2757	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron 1300MHz	288	2694	NA	NA
Intel Celeron 1333MHz	290	2688	NA	NA
Intel Celeron 1400MHz	302	2668	NA	NA
Intel Celeron 2000E @ 2.20GHz	2365	1514	NA	NA
Intel Celeron 2002E @ 1.50GHz	1605	1861	18.67	\$86.00*
Intel Celeron 2950M @ 2.00GHz	1974	1669	NA	NA
Intel Celeron 2955U @ 1.40GHz	1420	1944	NA	NA
Intel Celeron 2957U @ 1.40GHz	1434	1937	NA	NA
Intel Celeron 2961Y @ 1.10GHz	1110	2113	NA	NA
Intel Celeron 2970M @ 2.20GHz	2312	1527	NA	NA
Intel Celeron 2980U @ 1.60GHz	1593	1871	NA	NA
Intel Celeron 2981U @ 1.60GHz	1522	1893	NA	NA
Intel Celeron 3205U @ 1.50GHz	1494	1915	5.21	\$287.04*
Intel Celeron 3215U @ 1.70GHz	1629	1850	NA	NA
Intel Celeron 3755U @ 1.70GHz	1702	1806	NA	NA
Intel Celeron 3765U @ 1.90GHz	1990	1662	NA	NA
Intel Celeron 3855U @ 1.60GHz	1673	1822	NA	NA
Intel Celeron 3865U @ 1.80GHz	1911	1700	NA	NA
Intel Celeron 3867U @ 1.80GHz	1999	1658	18.69	\$107.00*
Intel Celeron 3955U @ 2.00GHz	1913	1699	NA	NA
Intel Celeron 3965U @ 2.20GHz	2411	1490	22.54	\$107.00*
Intel Celeron 3965Y @ 1.50GHz	1629	1849	15.23	\$107.00*
Intel Celeron @ 1.30GHz	965	2203	NA	NA
Intel Celeron B710 @ 1.60GHz	186	2808	NA	NA
Intel Celeron B720 @ 1.70GHz	814	2290	NA	NA
Intel Celeron B800 @ 1.50GHz	1274	2024	NA	NA
Intel Celeron B810 @ 1.60GHz	1425	1941	NA	NA
Intel Celeron B815 @ 1.60GHz	1364	1967	NA	NA
Intel Celeron B820 @ 1.70GHz	1429	1940	36.37	\$39.29*
Intel Celeron B830 @ 1.80GHz	1514	1905	NA	NA
Intel Celeron B840 @ 1.90GHz	1719	1790	NA	NA
Intel Celeron D 347 @ 3.06GHz	270	2725	NA	NA
Intel Celeron D 352 @ 3.20GHz	302	2669	NA	NA
Intel Celeron D 356 @ 3.33GHz	315	2650	NA	NA
Intel Celeron D 360 @ 3.46GHz	337	2630	NA	NA
Intel Celeron D 365 @ 3.60GHz	404	2550	4.50	\$89.95*
Intel Celeron D 420 @ 1.60GHz	481	2470	NA	NA
Intel Celeron D 430 @ 1.80GHz	585	2398	NA	NA
Intel Celeron E1200 @ 1.60GHz	858	2267	7.80	\$109.95*
Intel Celeron E1400 @ 2.00GHz	1046	2151	11.64	\$89.95
Intel Celeron E1500 @ 2.20GHz	1180	2076	60.07	\$19.65
Intel Celeron E1600 @ 2.40GHz	1255	2033	NA	NA
Intel Celeron E3200 @ 2.40GHz	1383	1959	26.62	\$51.99*
Intel Celeron E3300 @ 2.50GHz	1386	1957	21.33	\$64.99
Intel Celeron E3400 @ 2.60GHz	1437	1935	29.86	\$48.15*
Intel Celeron E3500 @ 2.70GHz	1454	1928	36.37	\$39.99*
Intel Celeron G440 @ 1.60GHz	694	2345	13.90	\$49.99*
Intel Celeron G460 @ 1.80GHz	1029	2160	15.84	\$65.00
Intel Celeron G465 @ 1.90GHz	1064	2142	10.64	\$100.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron G470 @ 2.00GHz	1298	2005	NA	NA
Intel Celeron G530 @ 2.40GHz	2131	1601	53.30	\$39.99*
Intel Celeron G530T @ 2.00GHz	1717	1793	NA	NA
Intel Celeron G540 @ 2.50GHz	2199	1580	48.89	\$45.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron G540T @ 2.10GHz	2114	1610	NA	NA
Intel Celeron G550 @ 2.60GHz	2289	1536	28.61	\$80.00
Intel Celeron G550T @ 2.20GHz	2063	1632	NA	NA
Intel Celeron G555 @ 2.70GHz	2422	1487	60.57	\$40.00*
Intel Celeron G1101 @ 2.27GHz	1667	1829	84.34	\$19.77*
Intel Celeron G1610 @ 2.60GHz	2489	1464	8.30	\$299.95
Intel Celeron G1610T @ 2.30GHz	2286	1538	57.12	\$40.04*
Intel Celeron G1620 @ 2.70GHz	2576	1429	16.78	\$153.59*
Intel Celeron G1620T @ 2.40GHz	2353	1516	56.03	\$42.00*
Intel Celeron G1630 @ 2.80GHz	2493	1462	49.89	\$49.99*
Intel Celeron G1820 @ 2.70GHz	2754	1377	30.61	\$89.99
Intel Celeron G1820T @ 2.40GHz	2505	1458	59.66	\$42.00*
Intel Celeron G1820TE @ 2.20GHz	2132	1599	NA	NA
Intel Celeron G1830 @ 2.80GHz	2544	1442	26.80	\$94.95
Intel Celeron G1840 @ 2.80GHz	2858	1340	36.88	\$77.51
Intel Celeron G1840T @ 2.50GHz	2605	1419	NA	NA
Intel Celeron G1850 @ 2.90GHz	2909	1319	36.38	\$79.99*
Intel Celeron G3900 @ 2.80GHz	3147	1244	51.95	\$60.59
Intel Celeron G3900E @ 2.40GHz	2679	1397	NA	NA
Intel Celeron G3900T @ 2.60GHz	2919	1317	25.96	\$112.46*
Intel Celeron G3900TE @ 2.30GHz	2591	1424	61.71	\$42.00*
Intel Celeron G3920 @ 2.90GHz	3123	1249	22.31	\$139.99
Intel Celeron G3930 @ 2.90GHz	3043	1277	59.47	\$51.17*
Intel Celeron G3930T @ 2.70GHz	2766	1368	32.17	\$85.99*
Intel Celeron G3950 @ 3.00GHz	3049	1275	42.82	\$71.22*
Intel Celeron G4900 @ 3.10GHz	3270	1196	58.40	\$56.00
Intel Celeron G4900T @ 2.90GHz	3037	1279	NA	NA
Intel Celeron G4920 @ 3.20GHz	3192	1222	41.74	\$76.50*
Intel Celeron J1750 @ 2.41GHz	1037	2156	NA	NA
Intel Celeron J1800 @ 2.41GHz	1027	2162	NA	NA
Intel Celeron J1850 @ 1.99GHz	1617	1856	NA	NA
Intel Celeron J1900 @ 1.99GHz	1841	1737	NA	NA
Intel Celeron J3060 @ 1.60GHz	974	2198	NA	NA
Intel Celeron J3160 @ 1.60GHz	1791	1757	NA	NA
Intel Celeron J3355 @ 2.00GHz	1198	2066	NA	NA
Intel Celeron J3455 @ 1.50GHz	2124	1608	5.74	\$369.99
Intel Celeron J4005 @ 2.00GHz	1560	1881	11.11	\$140.51*
Intel Celeron J4105 @ 1.50GHz	2641	1407	24.68	\$107.00*
Intel Celeron M 1.00GHz	207	2790	16.60	\$12.49
Intel Celeron M 1.30GHz	316	2649	NA	NA
Intel Celeron M 1.50GHz	343	2625	NA	NA
Intel Celeron M 1.60GHz	364	2604	NA	NA
Intel Celeron M 1.70GHz	393	2570	NA	NA
Intel Celeron M 360 1.40GHz	328	2638	NA	NA
Intel Celeron M 410 @ 1.46GHz	315	2651	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron M 420 @ 1.60GHz	339	2627	NA	NA
Intel Celeron M 430 @ 1.73GHz	368	2597	NA	NA
Intel Celeron M 440 @ 1.86GHz	397	2561	NA	NA
Intel Celeron M 443 @ 1.20GHz	253	2742	NA	NA
Intel Celeron M 450 @ 2.00GHz	450	2501	NA	NA
Intel Celeron M 520 @ 1.60GHz	431	2523	NA	NA
Intel Celeron M 530 @ 1.73GHz	462	2486	NA	NA
Intel Celeron M 540 @ 1.86GHz	542	2420	NA	NA
Intel Celeron M 600MHz	151	2832	NA	NA
Intel Celeron M 723 @ 1.20GHz	457	2494	NA	NA
Intel Celeron M 900MHz	204	2792	NA	NA
Intel Celeron M 1200MHz	275	2720	NA	NA
Intel Celeron M 1300MHz	303	2665	NA	NA
Intel Celeron M 1500MHz	333	2635	NA	NA
Intel Celeron M ULV 800MHz	184	2812	NA	NA
Intel Celeron N2805 @ 1.46GHz	461	2491	NA	NA
Intel Celeron N2806 @ 1.60GHz	791	2302	NA	NA
Intel Celeron N2807 @ 1.58GHz	853	2271	NA	NA
Intel Celeron N2808 @ 1.58GHz	913	2244	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Celeron N2810 @ 2.00GHz	787	2303	5.62	\$139.99*
Intel Celeron N2815 @ 1.86GHz	852	2272	NA	NA
Intel Celeron N2820 @ 2.13GHz	925	2234	4.41	\$209.99
Intel Celeron N2830 @ 2.16GHz	954	2215	NA	NA
Intel Celeron N2840 @ 2.16GHz	1003	2176	NA	NA
Intel Celeron N2910 @ 1.60GHz	1203	2063	NA	NA
Intel Celeron N2920 @ 1.86GHz	1500	1910	NA	NA
Intel Celeron N2930 @ 1.83GHz	1628	1851	NA	NA
Intel Celeron N2940 @ 1.83GHz	1731	1784	NA	NA
Intel Celeron N3000 @ 1.04GHz	909	2248	NA	NA
Intel Celeron N3010 @ 1.04GHz	964	2204	NA	NA
Intel Celeron N3050 @ 1.60GHz	878	2257	6.88	\$127.55
Intel Celeron N3060 @ 1.60GHz	989	2191	NA	NA
Intel Celeron N3150 @ 1.60GHz	1655	1837	NA	NA
Intel Celeron N3160 @ 1.60GHz	1664	1830	5.38	\$309.19
Intel Celeron N3350 @ 1.10GHz	1107	2118	NA	NA
Intel Celeron N3450 @ 1.10GHz	1843	1736	13.16	\$140.08
Intel Celeron N4000 @ 1.10GHz	1441	1934	13.47	\$107.00*
Intel Celeron N4100 @ 1.10GHz	2317	1524	21.66	\$107.00*
Intel Celeron P4500 @ 1.87GHz	1119	2106	NA	NA
Intel Celeron P4505 @ 1.87GHz	994	2187	NA	NA
Intel Celeron P4600 @ 2.00GHz	1342	1982	NA	NA
Intel Celeron SU2300 @ 1.20GHz	771	2307	NA	NA
Intel Celeron T1600 @ 1.66GHz	950	2218	47.53	\$19.99*
Intel Celeron T1700 @ 1.83GHz	1058	2146	17.65	\$59.95*
Intel Celeron U1900 @ 1.99GHz	1704	1805	NA	NA
Intel Celeron U3400 @ 1.07GHz	721	2329	NA	NA
Intel Celeron U3405 @ 1.07GHz	684	2349	NA	NA
Intel Celeron U3600 @ 1.20GHz	809	2295	NA	NA
Intel Core2 Duo E4300 @ 1.80GHz	1051	2149	87.74	\$11.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo E4400 @ 2.00GHz	1157	2091	23.15	\$49.99*
Intel Core2 Duo E4500 @ 2.20GHz	1270	2027	211.77	\$6.00*
Intel Core2 Duo E4600 @ 2.40GHz	1384	1958	8.76	\$157.95*
Intel Core2 Duo E4700 @ 2.60GHz	1481	1919	54.89	\$26.99*
Intel Core2 Duo E6300 @ 1.86GHz	1109	2114	85.40	\$12.99*
Intel Core2 Duo E6320 @ 1.86GHz	1185	2073	23.72	\$49.99*
Intel Core2 Duo E6400 @ 2.13GHz	1289	2013	43.05	\$29.95*
Intel Core2 Duo E6420 @ 2.13GHz	1360	1973	27.21	\$49.99*
Intel Core2 Duo E6540 @ 2.33GHz	1458	1926	NA	NA
Intel Core2 Duo E6550 @ 2.33GHz	1498	1912	100.24	\$14.95*
Intel Core2 Duo E6600 @ 2.40GHz	1553	1884	103.64	\$14.99*
Intel Core2 Duo E6700 @ 2.66GHz	1693	1813	56.46	\$29.99*
Intel Core2 Duo E6750 @ 2.66GHz	1715	1795	166.52	\$10.30*
Intel Core2 Duo E6850 @ 3.00GHz	1947	1681	38.95	\$49.99*
Intel Core2 Duo E7200 @ 2.53GHz	1630	1848	33.28	\$49.00*
Intel Core2 Duo E7300 @ 2.66GHz	1725	1787	43.27	\$39.88*
Intel Core2 Duo E7400 @ 2.80GHz	1771	1765	61.12	\$28.99*
Intel Core2 Duo E7500 @ 2.93GHz	1874	1720	125.02	\$14.99*
Intel Core2 Duo E7600 @ 3.06GHz	1968	1674	16.41	\$119.95*
Intel Core2 Duo E8135 @ 2.40GHz	1520	1897	NA	NA
Intel Core2 Duo E8135 @ 2.66GHz	1746	1775	NA	NA
Intel Core2 Duo E8200 @ 2.66GHz	1883	1719	37.68	\$49.99*
Intel Core2 Duo E8235 @ 2.80GHz	1955	1678	NA	NA
Intel Core2 Duo E8290 @ 2.83GHz	2353	1515	NA	NA
Intel Core2 Duo E8300 @ 2.83GHz	1991	1661	99.61	\$19.99*
Intel Core2 Duo E8335 @ 2.66GHz	1846	1732	NA	NA
Intel Core2 Duo E8335 @ 2.93GHz	2128	1605	NA	NA
Intel Core2 Duo E8400 @ 3.00GHz	2149	1595	47.24	\$45.50*
Intel Core2 Duo E8435 @ 3.06GHz	2127	1606	NA	NA
Intel Core2 Duo E8500 @ 3.16GHz	2281	1543	57.06	\$39.99*
Intel Core2 Duo E8600 @ 3.33GHz	2402	1494	48.06	\$49.99*
Intel Core2 Duo E8700 @ 3.50GHz	2212	1575	NA	NA
Intel Core2 Duo L7100 @ 1.20GHz	760	2312	NA	NA
Intel Core2 Duo L7200 @ 1.33GHz	684	2350	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo L7300 @ 1.40GHz	825	2286	NA	NA
Intel Core2 Duo L7400 @ 1.50GHz	846	2274	NA	NA
Intel Core2 Duo L7500 @ 1.60GHz	958	2212	NA	NA
Intel Core2 Duo L7700 @ 1.80GHz	973	2199	NA	NA
Intel Core2 Duo L7800 @ 2.00GHz	1116	2107	NA	NA
Intel Core2 Duo L9300 @ 1.60GHz	1074	2141	NA	NA
Intel Core2 Duo L9600 @ 2.13GHz	1325	1991	NA	NA
Intel Core2 Duo P7350 @ 2.00GHz	1291	2010	64.59	\$19.99*
Intel Core2 Duo P7370 @ 2.00GHz	1298	2004	NA	NA
Intel Core2 Duo P7450 @ 2.13GHz	1417	1945	35.44	\$39.99*
Intel Core2 Duo P7500 @ 1.60GHz	945	2224	NA	NA
Intel Core2 Duo P7550 @ 2.26GHz	1518	1900	6.60	\$229.99*
Intel Core2 Duo P7570 @ 2.26GHz	1447	1932	NA	NA
Intel Core2 Duo P7700 @ 1.80GHz	1021	2167	NA	NA
Intel Core2 Duo P8400 @ 2.26GHz	1455	1927	4.90	\$297.01*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core2 Duo P8600 @ 2.40GHz	1536	1889	31.24	\$49.18*
Intel Core2 Duo P8700 @ 2.53GHz	1624	1853	42.75	\$37.99*
Intel Core2 Duo P8800 @ 2.66GHz	1741	1779	30.57	\$56.99*
Intel Core2 Duo P9300 @ 2.26GHz	1564	1880	NA	NA
Intel Core2 Duo P9500 @ 2.53GHz	1758	1768	1.76	\$998.99*
Intel Core2 Duo P9600 @ 2.53GHz	1738	1781	17.56	\$99.00*
Intel Core2 Duo P9600 @ 2.66GHz	1863	1726	NA	NA
Intel Core2 Duo P9700 @ 2.80GHz	2015	1651	NA	NA
Intel Core2 Duo Q6867 @ 3.00GHz	589	2396	NA	NA
Intel Core2 Duo SL9400 @ 1.86GHz	1251	2038	4.95	\$253.00*
Intel Core2 Duo SP9400 @ 2.40GHz	1674	1821	5.90	\$284.00*
Intel Core2 Duo SU9400 @ 1.40GHz	928	2232	NA	NA
Intel Core2 Duo T5200 @ 1.60GHz	832	2281	NA	NA
Intel Core2 Duo T5250 @ 1.50GHz	838	2280	NA	NA
Intel Core2 Duo T5270 @ 1.40GHz	813	2291	NA	NA
Intel Core2 Duo T5300 @ 1.73GHz	932	2229	NA	NA
Intel Core2 Duo T5450 @ 1.66GHz	913	2245	NA	NA
Intel Core2 Duo T5470 @ 1.60GHz	908	2249	NA	NA
Intel Core2 Duo T5500 @ 1.66GHz	923	2238	NA	NA
Intel Core2 Duo T5550 @ 1.83GHz	1044	2153	NA	NA
Intel Core2 Duo T5600 @ 1.83GHz	1029	2161	NA	NA
Intel Core2 Duo T5670 @ 1.80GHz	994	2188	NA	NA
Intel Core2 Duo T5750 @ 2.00GHz	1094	2128	109.53	\$9.99*
Intel Core2 Duo T5800 @ 2.00GHz	1114	2110	NA	NA
Intel Core2 Duo T5850 @ 2.16GHz	1197	2067	75.33	\$15.90*
Intel Core2 Duo T5870 @ 2.00GHz	1148	2097	NA	NA
Intel Core2 Duo T5900 @ 2.20GHz	1212	2058	NA	NA
Intel Core2 Duo T6400 @ 2.00GHz	1225	2051	81.78	\$14.99*
Intel Core2 Duo T6500 @ 2.10GHz	1286	2016	85.82	\$14.99*
Intel Core2 Duo T6570 @ 2.10GHz	1257	2032	32.66	\$38.50*
Intel Core2 Duo T6600 @ 2.20GHz	1361	1971	72.02	\$18.90*
Intel Core2 Duo T6670 @ 2.20GHz	1361	1970	NA	NA
Intel Core2 Duo T7100 @ 1.80GHz	1018	2168	46.32	\$21.99*
Intel Core2 Duo T7200 @ 2.00GHz	1167	2085	11.69	\$99.95*
Intel Core2 Duo T7250 @ 2.00GHz	1115	2109	5.53	\$201.48*
Intel Core2 Duo T7300 @ 2.00GHz	1192	2069	38.48	\$30.99*
Intel Core2 Duo T7400 @ 2.16GHz	1246	2042	NA	NA
Intel Core2 Duo T7500 @ 2.20GHz	1270	2025	29.56	\$42.99*
Intel Core2 Duo T7600 @ 2.33GHz	1381	1961	NA	NA
Intel Core2 Duo T7700 @ 2.40GHz	1423	1943	10.17	\$139.95*
Intel Core2 Duo T7800 @ 2.60GHz	1594	1869	2.62	\$607.99*
Intel Core2 Duo T8100 @ 2.10GHz	1296	2007	1.30	\$999.99*
Intel Core2 Duo T8300 @ 2.40GHz	1472	1921	13.51	\$108.95*
Intel Core2 Duo T9300 @ 2.50GHz	1673	1823	28.86	\$57.99*
Intel Core2 Duo T9400 @ 2.53GHz	1739	1780	24.87	\$69.95*
Intel Core2 Duo T9500 @ 2.60GHz	1796	1755	NA	NA
Intel Core2 Duo T9550 @ 2.66GHz	1804	1753	6.04	\$298.95*
Intel Core2 Duo T9600 @ 2.80GHz	1927	1689	21.43	\$89.95*
Intel Core2 Duo T9800 @ 2.93GHz	2020	1649	4.77	\$423.89*



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<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 Core2 Duo T9900 @ 3.06GHz	2131	1600	5.34	\$398.95*
Intel Core2 Duo U7300 @ 1.30GHz	873	2260	NA	NA
Intel Core2 Duo U7500 @ 1.06GHz	590	2394	NA	NA
Intel Core2 Duo U7600 @ 1.20GHz	668	2357	NA	NA
Intel Core2 Duo U7700 @ 1.33GHz	700	2343	NA	NA
Intel Core2 Duo U9300 @ 1.20GHz	859	2265	NA	NA
Intel Core2 Duo U9600 @ 1.60GHz	1128	2105	NA	NA
Intel Core2 Duo X7360 @ 2.53GHz	1687	1815	NA	NA
Intel Core2 Extreme Q6800 @ 2.93GHz	3655	1100	3.25	\$1,125.00*
Intel Core2 Extreme Q6850 @ 3.00GHz	3634	1104	2.43	\$1,495.95*
Intel Core2 Extreme Q9300 @ 2.53GHz	3457	1150	NA	NA
Intel Core2 Extreme X6800 @ 2.93GHz	1873	1721	7.11	\$263.64*
Intel Core2 Extreme X7800 @ 2.60GHz	1802	1754	NA	NA
Intel Core2 Extreme X7850 @ 2.80GHz	1331	1987	NA	NA
Intel Core2 Extreme X7900 @ 2.80GHz	1681	1816	NA	NA
Intel Core2 Extreme X9000 @ 2.80GHz	1898	1706	4.63	\$409.95*
Intel Core2 Extreme X9100 @ 3.06GHz	2063	1631	2.42	\$851.00*
Intel Core2 Extreme X9650 @ 3.00GHz	4158	988	4.84	\$859.99*
Intel Core2 Extreme X9750 @ 3.16GHz	4504	921	NA	NA
Intel Core2 Extreme X9770 @ 3.20GHz	4614	896	2.87	\$1,608.95*
Intel Core2 Extreme X9775 @ 3.20GHz	4646	885	2.57	\$1,805.95*
Intel Core2 Quad Q6600 @ 2.40GHz	2950	1305	73.79	\$39.98*
Intel Core2 Quad Q6700 @ 2.66GHz	3283	1195	72.98	\$44.99*
Intel Core2 Quad Q8200 @ 2.33GHz	2812	1355	122.33	\$22.99*
Intel Core2 Quad Q8300 @ 2.50GHz	2981	1294	59.64	\$49.99*
Intel Core2 Quad Q8400 @ 2.66GHz	3163	1236	13.18	\$239.95*
Intel Core2 Quad Q9000 @ 2.00GHz	2524	1447	6.49	\$389.00*
Intel Core2 Quad Q9100 @ 2.26GHz	3242	1207	8.40	\$385.89*
Intel Core2 Quad Q9300 @ 2.50GHz	3159	1239	63.21	\$49.99*
Intel Core2 Quad Q9400 @ 2.66GHz	3341	1183	69.60	\$48.01
Intel Core2 Quad Q9450 @ 2.66GHz	3758	1075	105.28	\$35.70*
Intel Core2 Quad Q9500 @ 2.83GHz	3533	1130	101.00	\$34.99*
Intel Core2 Quad Q9505 @ 2.83GHz	3560	1121	18.74	\$190.00*
Intel Core2 Quad Q9550 @ 2.83GHz	3963	1028	89.09	\$44.49*
Intel Core2 Quad Q9650 @ 3.00GHz	4162	987	37.86	\$109.95
Intel Core2 Quad Q9705 @ 3.16GHz	3947	1029	NA	NA
Intel Core2 Solo U2100 @ 1.06GHz	359	2608	NA	NA
Intel Core2 Solo U2200 @ 1.20GHz	311	2658	NA	NA
Intel Core2 Solo U3300 @ 1.20GHz	415	2535	NA	NA
Intel Core2 Solo U3500 @ 1.40GHz	464	2483	NA	NA
Intel Core 330 @ 1.60GHz	643	2369	NA	NA
Intel Core 860 @ 2.80GHz	4555	906	14.74	\$309.00*
Intel Core Duo L2300 @ 1.50GHz	719	2332	NA	NA
Intel Core Duo L2400 @ 1.66GHz	711	2335	NA	NA
Intel Core Duo L2500 @ 1.83GHz	747	2319	NA	NA
Intel Core Duo T2050 @ 1.60GHz	693	2347	NA	NA
Intel Core Duo T2250 @ 1.73GHz	756	2315	NA	NA
Intel Core Duo T2300 @ 1.66GHz	727	2327	NA	NA
Intel Core Duo T2350 @ 1.86GHz	761	2311	NA	NA
<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 Core Duo T2400 @ 1.83GHz	795	2298	49.70	\$16.00*
Intel Core Duo T2450 @ 2.00GHz	825	2285	NA	NA
Intel Core Duo T2500 @ 2.00GHz	867	2262	7.23	\$119.99*
Intel Core Duo T2600 @ 2.16GHz	944	2226	NA	NA
Intel Core Duo T2700 @ 2.33GHz	1024	2166	NA	NA
Intel Core Duo U2400 @ 1.06GHz	544	2418	NA	NA
Intel Core Duo U2500 @ 1.20GHz	511	2443	NA	NA
Intel Core i3-330E @ 2.13GHz	1935	1687	NA	NA
Intel Core i3-330M @ 2.13GHz	1787	1760	11.17	\$159.95*
Intel Core i3-330UM @ 1.20GHz	1075	2140	NA	NA
Intel Core i3-350M @ 2.27GHz	1891	1712	17.36	\$108.95*
Intel Core i3-370M @ 2.40GHz	2014	1652	50.42	\$39.96*
Intel Core i3-380M @ 2.53GHz	2093	1620	34.92	\$59.95

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Intel Core i3-380UM @ 1.33GHz	1160	2090	NA	NA
Intel Core i3-390M @ 2.67GHz	2183	1584	56.06	\$38.95*
Intel Core i3-530 @ 2.93GHz	2567	1435	13.59	\$189.00
Intel Core i3-540 @ 3.07GHz	2687	1394	18.54	\$144.98
Intel Core i3-550 @ 3.20GHz	2829	1346	16.10	\$175.74
Intel Core i3-560 @ 3.33GHz	2937	1310	16.32	\$179.95
Intel Core i3-2100 @ 3.10GHz	3690	1095	26.36	\$140.00
Intel Core i3-2100T @ 2.50GHz	2962	1303	49.39	\$59.99*
Intel Core i3-2102 @ 3.10GHz	3736	1081	64.41	\$58.00*
Intel Core i3-2105 @ 3.10GHz	3710	1086	32.27	\$114.99*
Intel Core i3-2120 @ 3.30GHz	3929	1034	70.18	\$55.99
Intel Core i3-2120T @ 2.60GHz	3164	1235	19.78	\$160.00
Intel Core i3-2125 @ 3.30GHz	4003	1014	20.12	\$199.00
Intel Core i3-2130 @ 3.40GHz	4067	1003	35.38	\$114.99
Intel Core i3-2140 @ 3.50GHz	4325	958	NA	NA
Intel Core i3-2310E @ 2.10GHz	2839	1342	12.62	\$225.00*
Intel Core i3-2310M @ 2.10GHz	2430	1484	54.03	\$44.99*
Intel Core i3-2312M @ 2.10GHz	2374	1506	NA	NA
Intel Core i3-2328M @ 2.20GHz	2543	1444	27.36	\$92.97*
Intel Core i3-2330E @ 2.20GHz	3073	1265	NA	NA
Intel Core i3-2330M @ 2.20GHz	2523	1449	14.83	\$170.20*
Intel Core i3-2332M @ 2.20GHz	2382	1503	NA	NA
Intel Core i3-2340UE @ 1.30GHz	1719	1789	NA	NA
Intel Core i3-2348M @ 2.30GHz	2619	1413	NA	NA
Intel Core i3-2350M @ 2.30GHz	2626	1411	71.36	\$36.81*
Intel Core i3-2357M @ 1.30GHz	1556	1883	NA	NA
Intel Core i3-2365M @ 1.40GHz	1676	1819	NA	NA
Intel Core i3-2367M @ 1.40GHz	1707	1802	NA	NA
Intel Core i3-2370M @ 2.40GHz	2775	1366	69.73	\$39.81*
Intel Core i3-2375M @ 1.50GHz	1774	1763	NA	NA
Intel Core i3-2377M @ 1.50GHz	1828	1746	NA	NA
Intel Core i3-3110M @ 2.40GHz	3081	1263	38.55	\$79.95*
Intel Core i3-3120M @ 2.50GHz	3220	1213	29.28	\$110.00
Intel Core i3-3130M @ 2.60GHz	3390	1168	NA	NA
Intel Core i3-3210 @ 3.20GHz	4039	1007	13.76	\$293.59
Intel Core i3-3217U @ 1.80GHz	2303	1532	10.01	\$229.99
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-3217UE @ 1.60GHz	2162	1591	NA	NA
Intel Core i3-3220 @ 3.30GHz	4243	971	77.16	\$54.99
Intel Core i3-3220T @ 2.80GHz	3692	1093	13.48	\$273.95
Intel Core i3-3225 @ 3.30GHz	4342	952	13.36	\$324.99
Intel Core i3-3227U @ 1.90GHz	2468	1472	NA	NA
Intel Core i3-3229Y @ 1.40GHz	1700	1808	NA	NA
Intel Core i3-3240 @ 3.40GHz	4315	961	80.46	\$53.64
Intel Core i3-3240T @ 2.90GHz	3653	1102	NA	NA
Intel Core i3-3245 @ 3.40GHz	4437	932	24.79	\$179.01
Intel Core i3-3250 @ 3.50GHz	4445	930	46.80	\$94.99*
Intel Core i3-3250T @ 3.00GHz	3614	1106	NA	NA
Intel Core i3-4000M @ 2.40GHz	3252	1201	16.27	\$199.95*
Intel Core i3-4005U @ 1.70GHz	2443	1479	NA	NA
Intel Core i3-4010U @ 1.70GHz	2439	1480	8.44	\$289.00
Intel Core i3-4010Y @ 1.30GHz	1900	1705	NA	NA
Intel Core i3-4012Y @ 1.50GHz	2163	1590	NA	NA
Intel Core i3-4020Y @ 1.50GHz	2213	1574	NA	NA
Intel Core i3-4025U @ 1.90GHz	2787	1363	NA	NA
Intel Core i3-4030U @ 1.90GHz	2716	1387	NA	NA
Intel Core i3-4030Y @ 1.60GHz	2507	1457	NA	NA
Intel Core i3-4100M @ 2.50GHz	3443	1154	15.76	\$218.57*
Intel Core i3-4110M @ 2.60GHz	3873	1042	NA	NA
Intel Core i3-4110U @ 1.90GHz	2902	1329	NA	NA
Intel Core i3-4120U @ 2.00GHz	3050	1274	NA	NA
Intel Core i3-4130 @ 3.40GHz	4804	859	53.38	\$90.00
Intel Core i3-4130T @ 2.90GHz	4142	991	46.55	\$88.99*
Intel Core i3-4150 @ 3.50GHz	4898	843	49.48	\$99.00
Intel Core i3-4150T @ 3.00GHz	4232	973	18.40	\$229.95*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-4158U @ 2.00GHz	2914	1318	NA	NA
Intel Core i3-4160 @ 3.60GHz	5050	810	46.34	\$109.00
Intel Core i3-4160T @ 3.10GHz	4433	935	29.56	\$149.99*
Intel Core i3-4170 @ 3.70GHz	5191	785	33.49	\$155.00
Intel Core i3-4170T @ 3.20GHz	4549	909	21.67	\$209.95*
Intel Core i3-4330 @ 3.50GHz	5085	798	24.45	\$208.00
Intel Core i3-4330T @ 3.00GHz	4486	925	NA	NA
Intel Core i3-4330TE @ 2.40GHz	3201	1218	NA	NA
Intel Core i3-4340 @ 3.60GHz	5242	778	30.84	\$169.99*
Intel Core i3-4350 @ 3.60GHz	4990	824	29.36	\$169.99*
Intel Core i3-4350T @ 3.10GHz	4302	962	NA	NA
Intel Core i3-4360 @ 3.70GHz	5462	743	21.09	\$259.00
Intel Core i3-4360T @ 3.20GHz	4636	889	NA	NA
Intel Core i3-4370 @ 3.80GHz	5612	723	18.16	\$309.00
Intel Core i3-4370T @ 3.30GHz	4870	845	35.29	\$138.00*
Intel Core i3-4570T @ 2.90GHz	4934	836	NA	NA
Intel Core i3-5005U @ 2.00GHz	2905	1325	NA	NA
Intel Core i3-5010U @ 2.10GHz	3056	1271	9.05	\$337.76*
Intel Core i3-5015U @ 2.10GHz	3007	1287	NA	NA
Intel Core i3-5020U @ 2.20GHz	3194	1221	6.96	\$459.00*
Intel Core i3-5157U @ 2.50GHz	3663	1099	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i3-6006U @ 2.00GHz	3086	1260	NA	NA
Intel Core i3-6098P @ 3.60GHz	5424	748	40.56	\$133.74*
Intel Core i3-6100 @ 3.70GHz	5484	736	39.46	\$139.00
Intel Core i3-6100E @ 2.70GHz	3769	1070	NA	NA
Intel Core i3-6100H @ 2.70GHz	4249	969	NA	NA
Intel Core i3-6100T @ 3.20GHz	4852	852	25.54	\$189.99*
Intel Core i3-6100TE @ 2.70GHz	4337	954	NA	NA
Intel Core i3-6100U @ 2.30GHz	3603	1109	7.00	\$515.00*
Intel Core i3-6157U @ 2.40GHz	3835	1052	NA	NA
Intel Core i3-6300 @ 3.80GHz	5841	697	30.91	\$189.00
Intel Core i3-6300T @ 3.30GHz	5255	775	33.91	\$154.99*
Intel Core i3-6320 @ 3.90GHz	6047	676	21.38	\$282.85
Intel Core i3-7020U @ 2.30GHz	3497	1137	12.45	\$281.00*
Intel Core i3-7100 @ 3.90GHz	5783	701	33.55	\$172.39
Intel Core i3-7100H @ 3.00GHz	4667	882	20.75	\$225.00*
Intel Core i3-7100T @ 3.40GHz	5044	812	56.68	\$89.00*
Intel Core i3-7100U @ 2.40GHz	3775	1068	9.92	\$380.64
Intel Core i3-7101TE @ 3.40GHz	5196	783	44.42	\$117.00*
Intel Core i3-7130U @ 2.70GHz	4076	1001	14.51	\$281.00*
Intel Core i3-7167U @ 2.80GHz	4757	869	NA	NA
Intel Core i3-7300 @ 4.00GHz	6360	645	37.02	\$171.84*
Intel Core i3-7300T @ 3.50GHz	5369	757	29.57	\$181.59*
Intel Core i3-7320 @ 4.10GHz	6413	636	35.10	\$182.72*
Intel Core i3-7350K @ 4.20GHz	6629	617	41.45	\$159.95
Intel Core i3-8100 @ 3.60GHz	8045	478	62.37	\$129.00
Intel Core i3-8100B @ 3.60GHz	8453	440	63.56	\$133.00*
Intel Core i3-8100T @ 3.10GHz	7403	542	53.26	\$139.00*
Intel Core i3-8109U @ 3.00GHz	6146	664	NA	NA
Intel Core i3-8121U @ 2.20GHz	4738	872	NA	NA
Intel Core i3-8130U @ 2.20GHz	5064	807	18.02	\$281.00*
Intel Core i3-8145U @ 2.10GHz	4798	864	17.08	\$281.00*
Intel Core i3-8300 @ 3.70GHz	8657	427	49.72	\$174.10
Intel Core i3-8300T @ 3.20GHz	8032	480	47.11	\$170.49*
Intel Core i3-8350K @ 4.00GHz	9219	373	49.84	\$184.99*
Intel Core i3-21050 @ 3.10GHz	3862	1045	NA	NA
Intel Core i5 750S @ 2.40GHz	2197	1581	21.97	\$99.99*
Intel Core i5 E 520 @ 2.40GHz	2486	1466	NA	NA
Intel Core i5-7Y54 @ 1.20GHz	3589	1113	NA	NA
Intel Core i5-7Y57 @ 1.20GHz	3810	1061	NA	NA
Intel Core i5-430M @ 2.27GHz	2097	1618	14.99	\$139.95*
Intel Core i5-430UM @ 1.20GHz	1341	1983	NA	NA
Intel Core i5-450M @ 2.40GHz	2126	1607	66.55	\$31.95*
Intel Core i5-460M @ 2.53GHz	2323	1520	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	2137	NA	NA
Intel Core i5-480M @ 2.67GHz	2402	1495	29.81	\$80.60*
Intel Core i5-520 @ 2.40GHz	2244	1561	NA	NA
Intel Core i5-520M @ 2.40GHz	2370	1510	39.52	\$59.99*
Intel Core i5-520UM @ 1.07GHz	1356	1976	NA	NA
Intel Core i5-540M @ 2.53GHz	2454	1476	12.92	\$189.95
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-540UM @ 1.20GHz	1375	1964	NA	NA
Intel Core i5-560M @ 2.67GHz	2578	1428	28.66	\$89.97*
Intel Core i5-560UM @ 1.33GHz	1664	1831	NA	NA
Intel Core i5-580M @ 2.67GHz	2596	1421	23.62	\$109.95
Intel Core i5-650 @ 3.20GHz	3098	1257	14.28	\$217.00
Intel Core i5-655K @ 3.20GHz	3395	1166	56.60	\$59.99*
Intel Core i5-660 @ 3.33GHz	3254	1199	9.30	\$349.95*
Intel Core i5-661 @ 3.33GHz	3185	1224	31.85	\$99.99*
Intel Core i5-670 @ 3.47GHz	3313	1187	36.83	\$89.99*
Intel Core i5-680 @ 3.60GHz	3509	1134	38.99	\$89.99*
Intel Core i5-750 @ 2.67GHz	3691	1094	39.89	\$92.55*
Intel Core i5-760 @ 2.80GHz	3886	1040	16.90	\$229.95
Intel Core i5-2300 @ 2.80GHz	5357	759	66.98	\$79.99*
Intel Core i5-2310 @ 2.90GHz	5539	731	29.73	\$186.33*
Intel Core i5-2320 @ 3.00GHz	5766	704	36.04	\$160.00*
Intel Core i5-2380P @ 3.10GHz	5749	706	31.94	\$180.00*
Intel Core i5-2390T @ 2.70GHz	4226	974	42.31	\$99.90*
Intel Core i5-2400 @ 3.10GHz	5966	680	93.23	\$64.00
Intel Core i5-2400S @ 2.50GHz	4981	827	27.37	\$182.00
Intel Core i5-2405S @ 2.50GHz	5082	800	24.44	\$208.00*
Intel Core i5-2410M @ 2.30GHz	3166	1233	43.98	\$72.00*
Intel Core i5-2415M @ 2.30GHz	3299	1191	NA	NA
Intel Core i5-2430M @ 2.40GHz	3284	1194	39.05	\$84.11*
Intel Core i5-2435M @ 2.40GHz	3224	1211	NA	NA
Intel Core i5-2450M @ 2.50GHz	3401	1161	38.64	\$88.02*
Intel Core i5-2450P @ 3.20GHz	6132	666	68.14	\$89.99*
Intel Core i5-2467M @ 1.60GHz	2320	1522	NA	NA
Intel Core i5-2500 @ 3.30GHz	6338	647	113.13	\$56.03
Intel Core i5-2500K @ 3.30GHz	6478	628	56.33	\$115.00*
Intel Core i5-2500S @ 2.70GHz	5355	760	71.42	\$74.99*
Intel Core i5-2500T @ 2.30GHz	4639	887	NA	NA
Intel Core i5-2510E @ 2.50GHz	3483	1143	NA	NA
Intel Core i5-2515E @ 2.50GHz	3313	1189	NA	NA
Intel Core i5-2520M @ 2.50GHz	3593	1111	21.19	\$169.60*
Intel Core i5-2537M @ 1.40GHz	2094	1619	NA	NA
Intel Core i5-2540M @ 2.60GHz	3785	1065	60.14	\$62.95*
Intel Core i5-2550K @ 3.40GHz	6668	613	51.30	\$129.99*
Intel Core i5-2557M @ 1.70GHz	2685	1396	NA	NA
Intel Core i5-2560M @ 2.70GHz	3752	1077	NA	NA
Intel Core i5-3210M @ 2.50GHz	3826	1055	51.70	\$74.02*
Intel Core i5-3230M @ 2.60GHz	3939	1033	14.48	\$272.04*
Intel Core i5-3317U @ 1.70GHz	3090	1258	13.74	\$225.00*
Intel Core i5-3320M @ 2.60GHz	4125	994	39.63	\$104.10*
Intel Core i5-3330 @ 3.00GHz	5942	682	20.95	\$283.67*
Intel Core i5-3330S @ 2.70GHz	5680	712	59.80	\$94.99*
Intel Core i5-3335S @ 2.70GHz	5788	700	NA	NA
Intel Core i5-3337U @ 1.80GHz	3225	1210	14.34	\$225.00*
Intel Core i5-3339Y @ 1.50GHz	2215	1573	NA	NA
Intel Core i5-3340 @ 3.10GHz	6088	673	20.78	\$293.01*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-3340M @ 2.70GHz	4244	970	53.10	\$79.95*
Intel Core i5-3340S @ 2.80GHz	5846	695	38.98	\$149.99*
Intel Core i5-3350P @ 3.10GHz	6148	663	40.99	\$149.99*
Intel Core i5-3360M @ 2.80GHz	4436	933	47.81	\$92.81*
Intel Core i5-3380M @ 2.90GHz	4438	931	NA	NA
Intel Core i5-3427U @ 1.80GHz	3549	1125	8.45	\$420.05*
Intel Core i5-3437U @ 1.90GHz	3640	1103	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-3439Y @ 1.50GHz	2930	1314	NA	NA
Intel Core i5-3450 @ 3.10GHz	6538	623	51.49	\$126.99*
Intel Core i5-3450S @ 2.80GHz	6223	653	41.64	\$149.45
Intel Core i5-3470 @ 3.20GHz	6714	608	74.61	\$90.00
Intel Core i5-3470S @ 2.90GHz	6370	643	44.17	\$144.24
Intel Core i5-3470T @ 2.90GHz	4474	926	14.48	\$308.95*
Intel Core i5-3475S @ 2.90GHz	6613	619	46.08	\$143.50*
Intel Core i5-3550 @ 3.30GHz	6958	582	46.39	\$149.99*
Intel Core i5-3550S @ 3.00GHz	6903	589	20.92	\$329.95
Intel Core i5-3570 @ 3.40GHz	7128	568	75.05	\$94.99
Intel Core i5-3570K @ 3.40GHz	7174	564	17.94	\$399.99
Intel Core i5-3570S @ 3.10GHz	6750	603	23.69	\$285.00*
Intel Core i5-3570T @ 2.30GHz	5901	687	NA	NA
Intel Core i5-3610ME @ 2.70GHz	3898	1039	NA	NA
Intel Core i5-4200H @ 2.80GHz	4445	929	NA	NA
Intel Core i5-4200M @ 2.50GHz	4035	1008	49.75	\$81.12*
Intel Core i5-4200U @ 1.60GHz	3293	1193	NA	NA
Intel Core i5-4200Y @ 1.40GHz	2407	1492	NA	NA
Intel Core i5-4202Y @ 1.60GHz	2257	1555	NA	NA
Intel Core i5-4210H @ 2.90GHz	4527	918	NA	NA
Intel Core i5-4210M @ 2.60GHz	4195	979	13.54	\$309.95*
Intel Core i5-4210U @ 1.70GHz	3404	1160	NA	NA
Intel Core i5-4210Y @ 1.50GHz	2378	1504	NA	NA
Intel Core i5-4220Y @ 1.60GHz	2307	1529	NA	NA
Intel Core i5-4230U @ 1.90GHz	2902	1328	NA	NA
Intel Core i5-4250U @ 1.30GHz	3452	1151	9.62	\$359.00*
Intel Core i5-4258U @ 2.40GHz	4082	1000	NA	NA
Intel Core i5-4260U @ 1.40GHz	3571	1119	NA	NA
Intel Core i5-4278U @ 2.60GHz	4367	947	NA	NA
Intel Core i5-4288U @ 2.60GHz	4301	963	NA	NA
Intel Core i5-4300M @ 2.60GHz	4429	937	NA	NA
Intel Core i5-4300U @ 1.90GHz	3742	1080	NA	NA
Intel Core i5-4300Y @ 1.60GHz	2499	1461	NA	NA
Intel Core i5-4302Y @ 1.60GHz	2971	1298	NA	NA
Intel Core i5-4308U @ 2.80GHz	4219	976	NA	NA
Intel Core i5-4310M @ 2.70GHz	4637	888	NA	NA
Intel Core i5-4310U @ 2.00GHz	3759	1074	NA	NA
Intel Core i5-4330M @ 2.80GHz	4547	911	16.54	\$274.99*
Intel Core i5-4340M @ 2.90GHz	4828	854	NA	NA
Intel Core i5-4350U @ 1.40GHz	3610	1107	NA	NA
Intel Core i5-4400E @ 2.70GHz	4548	910	17.10	\$266.00*
Intel Core i5-4402E @ 1.60GHz	3947	1030	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4422E @ 1.80GHz	2806	1358	10.55	\$266.00*
Intel Core i5-4430 @ 3.00GHz	6335	648	21.92	\$288.99*
Intel Core i5-4430S @ 2.70GHz	5938	684	37.12	\$159.99*
Intel Core i5-4440 @ 3.10GHz	6510	625	13.10	\$497.00*
Intel Core i5-4440S @ 2.80GHz	6227	652	13.45	\$462.97*
Intel Core i5-4460 @ 3.20GHz	6715	607	35.35	\$189.99
Intel Core i5-4460S @ 2.90GHz	6412	637	9.72	\$659.99*
Intel Core i5-4460T @ 1.90GHz	4960	832	NA	NA
Intel Core i5-4570 @ 3.20GHz	7146	565	33.26	\$214.88
Intel Core i5-4570R @ 2.70GHz	6756	602	NA	NA
Intel Core i5-4570S @ 2.90GHz	6818	594	35.94	\$189.74
Intel Core i5-4570T @ 2.90GHz	4811	856	22.92	\$209.95
Intel Core i5-4570TE @ 2.70GHz	3827	1054	19.14	\$199.99*
Intel Core i5-4590 @ 3.30GHz	7329	551	49.19	\$149.00
Intel Core i5-4590S @ 3.00GHz	7065	574	47.42	\$149.00
Intel Core i5-4590T @ 2.00GHz	5619	721	26.77	\$209.95*
Intel Core i5-4670 @ 3.40GHz	7457	534	34.05	\$219.00*
Intel Core i5-4670K @ 3.40GHz	7634	520	22.20	\$343.81*
Intel Core i5-4670K CPT @ 3.40GHz	7411	541	NA	NA
Intel Core i5-4670R @ 3.00GHz	7419	539	26.88	\$276.00*
Intel Core i5-4670S @ 3.10GHz	7353	547	34.52	\$213.00*
Intel Core i5-4670T @ 2.30GHz	6168	661	23.81	\$259.02*



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-4690 @ 3.50GHz	7678	517	40.63	\$189.00
Intel Core i5-4690K @ 3.50GHz	7796	502	25.23	\$309.00
Intel Core i5-4690S @ 3.20GHz	7421	538	16.51	\$449.53*
Intel Core i5-4690T @ 2.50GHz	6478	627	NA	NA
Intel Core i5-5200U @ 2.20GHz	3486	1142	NA	NA
Intel Core i5-5250U @ 1.60GHz	3583	1115	8.11	\$441.89*
Intel Core i5-5257U @ 2.70GHz	4406	940	NA	NA
Intel Core i5-5287U @ 2.90GHz	4700	879	NA	NA
Intel Core i5-5300U @ 2.30GHz	3816	1057	7.40	\$515.73*
Intel Core i5-5350U @ 1.80GHz	3512	1133	NA	NA
Intel Core i5-5575R @ 2.80GHz	7484	531	NA	NA
Intel Core i5-5675C @ 3.10GHz	8191	462	20.48	\$399.99*
Intel Core i5-5675R @ 3.10GHz	8054	477	NA	NA
Intel Core i5-6198DU @ 2.30GHz	4147	989	NA	NA
Intel Core i5-6200U @ 2.30GHz	4020	1009	NA	NA
Intel Core i5-6260U @ 1.80GHz	4361	948	8.40	\$518.99*
Intel Core i5-6267U @ 2.90GHz	4962	831	NA	NA
Intel Core i5-6287U @ 3.10GHz	4751	870	15.63	\$304.00*
Intel Core i5-6300HQ @ 2.30GHz	6089	672	NA	NA
Intel Core i5-6300U @ 2.40GHz	4374	945	NA	NA
Intel Core i5-6360U @ 2.00GHz	4880	844	NA	NA
Intel Core i5-6400 @ 2.70GHz	6765	600	35.79	\$189.00
Intel Core i5-6400T @ 2.20GHz	5619	720	21.62	\$259.95
Intel Core i5-6402P @ 2.80GHz	7119	570	37.47	\$189.99*
Intel Core i5-6440EQ @ 2.70GHz	6223	654	NA	NA
Intel Core i5-6440HQ @ 2.60GHz	6804	595	NA	NA
Intel Core i5-6500 @ 3.20GHz	7247	558	30.92	\$234.44
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-6500T @ 2.50GHz	6286	650	23.29	\$269.95
Intel Core i5-6500TE @ 2.30GHz	6579	621	31.33	\$209.99
Intel Core i5-6600 @ 3.30GHz	7773	506	29.90	\$259.94*
Intel Core i5-6600K @ 3.50GHz	8063	475	50.40	\$159.99
Intel Core i5-6600T @ 2.70GHz	7342	548	24.48	\$299.95
Intel Core i5-7200U @ 2.50GHz	4607	899	NA	NA
Intel Core i5-7260U @ 2.20GHz	5670	715	13.22	\$429.00
Intel Core i5-7267U @ 3.10GHz	4976	828	NA	NA
Intel Core i5-7287U @ 3.30GHz	5656	719	NA	NA
Intel Core i5-7300HQ @ 2.50GHz	6790	596	NA	NA
Intel Core i5-7300U @ 2.60GHz	5189	786	8.51	\$609.95
Intel Core i5-7360U @ 2.30GHz	5845	696	NA	NA
Intel Core i5-7400 @ 3.00GHz	7331	550	33.53	\$218.63
Intel Core i5-7400T @ 2.40GHz	6403	638	19.52	\$327.99*
Intel Core i5-7440HQ @ 2.80GHz	7659	519	NA	NA
Intel Core i5-7442EQ @ 2.10GHz	6262	651	25.05	\$250.00*
Intel Core i5-7500 @ 3.40GHz	8020	482	38.37	\$209.00
Intel Core i5-7500T @ 2.70GHz	7014	577	30.90	\$226.99
Intel Core i5-7600 @ 3.50GHz	8730	420	28.16	\$309.98
Intel Core i5-7600K @ 3.80GHz	9120	382	29.49	\$309.30
Intel Core i5-7600T @ 2.80GHz	8077	473	34.39	\$234.89
Intel Core i5-7640X @ 4.00GHz	9545	341	27.51	\$346.99
Intel Core i5-8200Y @ 1.30GHz	4206	978	14.46	\$291.00*
Intel Core i5-8210Y @ 1.60GHz	4057	1004	NA	NA
Intel Core i5-8250U @ 1.60GHz	7680	516	NA	NA
Intel Core i5-8259U @ 2.30GHz	11004	246	16.35	\$673.00
Intel Core i5-8265U @ 1.60GHz	8122	469	27.35	\$297.00*
Intel Core i5-8300H @ 2.30GHz	9485	347	37.94	\$250.00*
Intel Core i5-8305G @ 2.80GHz	8946	404	NA	NA
Intel Core i5-8350U @ 1.70GHz	8225	457	27.70	\$297.00*
Intel Core i5-8365U @ 1.60GHz	7784	504	26.21	\$297.00*
Intel Core i5-8400 @ 2.80GHz	11641	228	50.64	\$229.90
Intel Core i5-8400H @ 2.50GHz	10138	287	40.55	\$250.00*
Intel Core i5-8400T @ 1.70GHz	9553	340	43.62	\$219.00
Intel Core i5-8500 @ 3.00GHz	11922	222	54.44	\$219.00
Intel Core i5-8500B @ 3.00GHz	12627	202	65.77	\$192.00*
Intel Core i5-8500T @ 2.10GHz	9964	306	21.85	\$455.99

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i5-8600 @ 3.10GHz	12633	201	50.54	\$249.99*
Intel Core i5-8600K @ 3.60GHz	12771	195	44.39	\$287.73
Intel Core i5-8600T @ 2.30GHz	10875	252	31.06	\$350.12*
Intel Core i5-9300H @ 2.40GHz	9504	345	38.02	\$250.00*
Intel Core i5-9400 @ 2.90GHz	11928	221	48.86	\$244.14
Intel Core i5-9400F @ 2.90GHz	12173	216	81.16	\$149.99
Intel Core i5-9500 @ 3.00GHz	12673	200	62.74	\$202.00*
Intel Core i5-9600K @ 3.70GHz	13503	182	51.94	\$259.99
Intel Core i5-9600KF @ 3.70GHz	13921	162	52.54	\$264.99
Intel Core i5-24050S @ 2.50GHz	4928	837	NA	NA
Intel Core i7-7Y75 @ 1.30GHz	3756	1076	NA	NA
Intel Core i7-610 @ 2.53GHz	1969	1672	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-610E @ 2.53GHz	2544	1441	NA	NA
Intel Core i7-620LM @ 2.00GHz	1949	1680	NA	NA
Intel Core i7-620M @ 2.67GHz	2722	1386	24.75	\$110.01*
Intel Core i7-620UM @ 1.07GHz	1323	1992	NA	NA
Intel Core i7-640LM @ 2.13GHz	2254	1557	NA	NA
Intel Core i7-640M @ 2.80GHz	2829	1347	14.15	\$199.95*
Intel Core i7-640UM @ 1.20GHz	1661	1835	NA	NA
Intel Core i7-660UM @ 1.33GHz	1745	1777	NA	NA
Intel Core i7-680UM @ 1.47GHz	1710	1799	NA	NA
Intel Core i7-720QM @ 1.60GHz	3010	1284	27.38	\$109.95*
Intel Core i7-740QM @ 1.73GHz	3192	1223	29.04	\$109.95*
Intel Core i7-820QM @ 1.73GHz	3227	1209	23.22	\$139.00*
Intel Core i7-840QM @ 1.87GHz	3410	1159	11.76	\$289.97*
Intel Core i7-860 @ 2.80GHz	5000	823	17.25	\$289.95
Intel Core i7-860S @ 2.53GHz	4711	876	23.56	\$199.99*
Intel Core i7-870 @ 2.93GHz	5327	767	60.54	\$87.99
Intel Core i7-870S @ 2.67GHz	4849	853	NA	NA
Intel Core i7-875K @ 2.93GHz	5425	747	12.39	\$437.97*
Intel Core i7-880 @ 3.07GHz	5522	734	9.47	\$583.00*
Intel Core i7-920 @ 2.67GHz	4917	840	140.50	\$35.00*
Intel Core i7-920XM @ 2.00GHz	3728	1083	1.10	\$3,375.00*
Intel Core i7-930 @ 2.80GHz	5135	791	39.51	\$129.99
Intel Core i7-940 @ 2.93GHz	5343	763	51.39	\$103.99*
Intel Core i7-940XM @ 2.13GHz	3966	1026	NA	NA
Intel Core i7-950 @ 3.07GHz	5543	730	26.52	\$209.00
Intel Core i7-960 @ 3.20GHz	5803	699	21.18	\$273.98
Intel Core i7-965 @ 3.20GHz	5856	692	41.83	\$139.99*
Intel Core i7-970 @ 3.20GHz	8351	449	16.71	\$499.95*
Intel Core i7-975 @ 3.33GHz	6122	667	13.31	\$460.00*
Intel Core i7-980 @ 3.33GHz	8643	429	43.22	\$199.98*
Intel Core i7-980X @ 3.33GHz	8746	418	9.61	\$909.99
Intel Core i7-985 @ 3.47GHz	6641	616	NA	NA
Intel Core i7-990X @ 3.47GHz	9061	389	25.89	\$349.99*
Intel Core i7-995X @ 3.60GHz	9791	321	NA	NA
Intel Core i7-2600 @ 3.40GHz	8188	463	50.51	\$162.10
Intel Core i7-2600K @ 3.40GHz	8424	443	47.07	\$179.00
Intel Core i7-2600S @ 2.80GHz	7089	571	37.32	\$189.99*
Intel Core i7-2610UE @ 1.50GHz	2481	1469	NA	NA
Intel Core i7-2617M @ 1.50GHz	2824	1350	NA	NA
Intel Core i7-2620M @ 2.70GHz	3841	1049	22.62	\$169.81
Intel Core i7-2630QM @ 2.00GHz	5525	733	24.03	\$229.95*
Intel Core i7-2630UM @ 1.60GHz	2584	1427	NA	NA
Intel Core i7-2635QM @ 2.00GHz	5456	744	NA	NA
Intel Core i7-2637M @ 1.70GHz	2905	1326	NA	NA
Intel Core i7-2640M @ 2.80GHz	3918	1038	21.07	\$185.97*
Intel Core i7-2655LE @ 2.20GHz	3196	1220	NA	NA
Intel Core i7-2670QM @ 2.20GHz	5880	691	42.31	\$139.00
Intel Core i7-2675QM @ 2.20GHz	5531	732	NA	NA
Intel Core i7-2677M @ 1.80GHz	2824	1349	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-2700K @ 3.50GHz	8687	423	26.66	\$325.90



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-2710QE @ 2.10GHz	5768	703	NA	NA
Intel Core i7-2715QE @ 2.10GHz	5365	758	NA	NA
Intel Core i7-2720QM @ 2.20GHz	6116	669	19.80	\$309.00*
Intel Core i7-2760QM @ 2.40GHz	6568	622	41.10	\$159.81*
Intel Core i7-2820QM @ 2.30GHz	6644	615	18.67	\$355.95*
Intel Core i7-2840QM @ 2.40GHz	6766	599	NA	NA
Intel Core i7-2860QM @ 2.50GHz	6961	581	11.60	\$599.99*
Intel Core i7-2920XM @ 2.50GHz	7043	576	15.99	\$440.44*
Intel Core i7-2960XM @ 2.70GHz	7239	560	17.66	\$409.95*
Intel Core i7-3517U @ 1.90GHz	3586	1114	NA	NA
Intel Core i7-3517UE @ 1.70GHz	3350	1179	NA	NA
Intel Core i7-3520M @ 2.90GHz	4543	913	19.33	\$235.00*
Intel Core i7-3537U @ 2.00GHz	3843	1048	NA	NA
Intel Core i7-3540M @ 3.00GHz	4668	881	10.86	\$429.95*
Intel Core i7-3555LE @ 2.50GHz	3966	1025	NA	NA
Intel Core i7-3610QE @ 2.30GHz	6451	630	NA	NA
Intel Core i7-3610QM @ 2.30GHz	7459	532	18.65	\$399.99*
Intel Core i7-3612QE @ 2.10GHz	6712	609	NA	NA
Intel Core i7-3612QM @ 2.10GHz	6822	593	NA	NA
Intel Core i7-3615QE @ 2.30GHz	7458	533	NA	NA
Intel Core i7-3615QM @ 2.30GHz	7386	545	NA	NA
Intel Core i7-3630QM @ 2.40GHz	7581	523	31.72	\$239.00*
Intel Core i7-3632QM @ 2.20GHz	6934	586	29.13	\$238.05*
Intel Core i7-3635QM @ 2.40GHz	6676	612	NA	NA
Intel Core i7-3667U @ 2.00GHz	3997	1015	NA	NA
Intel Core i7-3687U @ 2.10GHz	4185	982	NA	NA
Intel Core i7-3689Y @ 1.50GHz	3220	1214	NA	NA
Intel Core i7-3720QM @ 2.60GHz	8117	471	22.36	\$363.00*
Intel Core i7-3740QM @ 2.70GHz	8321	451	34.68	\$239.95*
Intel Core i7-3770 @ 3.40GHz	9280	366	46.83	\$198.18
Intel Core i7-3770K @ 3.50GHz	9509	344	18.65	\$509.95
Intel Core i7-3770S @ 3.10GHz	8891	407	49.40	\$179.99*
Intel Core i7-3770T @ 2.50GHz	8208	460	24.87	\$329.99*
Intel Core i7-3820 @ 3.60GHz	8990	398	47.57	\$189.00
Intel Core i7-3820QM @ 2.70GHz	8404	445	17.26	\$486.99*
Intel Core i7-3840QM @ 2.80GHz	8773	417	30.35	\$289.05
Intel Core i7-3920XM @ 2.90GHz	9169	377	8.37	\$1,096.00*
Intel Core i7-3930K @ 3.20GHz	11980	219	23.73	\$504.85
Intel Core i7-3940XM @ 3.00GHz	9276	367	17.21	\$539.00*
Intel Core i7-3960X @ 3.30GHz	12585	203	13.83	\$909.78
Intel Core i7-3970X @ 3.50GHz	12676	199	15.65	\$809.99*
Intel Core i7-4500U @ 1.80GHz	3792	1064	NA	NA
Intel Core i7-4510U @ 2.00GHz	3923	1036	NA	NA
Intel Core i7-4550U @ 1.50GHz	3699	1091	NA	NA
Intel Core i7-4558U @ 2.80GHz	4397	941	NA	NA
Intel Core i7-4560U @ 1.60GHz	4329	955	NA	NA
Intel Core i7-4578U @ 3.00GHz	4780	865	NA	NA
Intel Core i7-4600M @ 2.90GHz	4898	842	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4600U @ 2.10GHz	4098	998	NA	NA
Intel Core i7-4610M @ 3.00GHz	4906	841	NA	NA
Intel Core i7-4610Y @ 1.70GHz	3746	1079	NA	NA
Intel Core i7-4650U @ 1.70GHz	3965	1027	NA	NA
Intel Core i7-4700EQ @ 2.40GHz	7180	563	NA	NA
Intel Core i7-4700HQ @ 2.40GHz	7725	508	20.17	\$383.00*
Intel Core i7-4700MQ @ 2.40GHz	7685	514	40.66	\$189.00*
Intel Core i7-4702HQ @ 2.20GHz	7419	540	NA	NA
Intel Core i7-4702MQ @ 2.20GHz	7128	567	21.15	\$337.04*
Intel Core i7-4710HQ @ 2.50GHz	7722	510	NA	NA
Intel Core i7-4710MQ @ 2.50GHz	7987	486	29.41	\$271.57*
Intel Core i7-4712HQ @ 2.30GHz	7523	527	NA	NA
Intel Core i7-4712MQ @ 2.30GHz	7219	562	NA	NA
Intel Core i7-4720HQ @ 2.60GHz	7994	485	NA	NA
Intel Core i7-4722HQ @ 2.40GHz	8067	474	NA	NA
Intel Core i7-4750HQ @ 2.00GHz	8201	461	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-4760HQ @ 2.10GHz	8735	419	NA	NA
Intel Core i7-4765T @ 2.00GHz	7307	555	18.27	\$399.99*
Intel Core i7-4770 @ 3.40GHz	9780	324	40.91	\$239.08
Intel Core i7-4770HQ @ 2.20GHz	8948	403	NA	NA
Intel Core i7-4770K @ 3.50GHz	10079	296	29.21	\$345.01
Intel Core i7-4770R @ 3.20GHz	9822	317	NA	NA
Intel Core i7-4770S @ 3.10GHz	9347	361	37.39	\$249.99*
Intel Core i7-4770T @ 2.50GHz	8587	434	21.47	\$399.99*
Intel Core i7-4770TE @ 2.30GHz	6732	606	NA	NA
Intel Core i7-4771 @ 3.50GHz	9867	313	16.18	\$609.99*
Intel Core i7-4785T @ 2.20GHz	7629	522	NA	NA
Intel Core i7-4790 @ 3.60GHz	9987	303	46.74	\$213.69
Intel Core i7-4790K @ 4.00GHz	11174	237	36.16	\$309.00
Intel Core i7-4790S @ 3.20GHz	9579	337	20.74	\$462.00
Intel Core i7-4790T @ 2.70GHz	9082	388	25.30	\$359.00*
Intel Core i7-4800MQ @ 2.70GHz	8454	439	41.44	\$204.00*
Intel Core i7-4810MQ @ 2.80GHz	8647	428	20.35	\$424.95*
Intel Core i7-4820K @ 3.70GHz	9710	331	44.14	\$219.99*
Intel Core i7-4850HQ @ 2.30GHz	9051	391	20.86	\$434.00*
Intel Core i7-4860EQ @ 1.80GHz	7818	498	NA	NA
Intel Core i7-4860HQ @ 2.40GHz	9271	368	NA	NA
Intel Core i7-4870HQ @ 2.50GHz	9372	358	NA	NA
Intel Core i7-4900MQ @ 2.80GHz	8980	400	15.31	\$586.67*
Intel Core i7-4910MQ @ 2.90GHz	9353	360	20.34	\$459.95*
Intel Core i7-4930K @ 3.40GHz	13006	189	25.63	\$507.54
Intel Core i7-4930MX @ 3.00GHz	9455	352	8.63	\$1,096.00*
Intel Core i7-4940MX @ 3.10GHz	9914	310	13.96	\$709.95*
Intel Core i7-4960HQ @ 2.60GHz	9807	320	15.74	\$623.00*
Intel Core i7-4960X @ 3.60GHz	13789	168	17.91	\$769.99*
Intel Core i7-4980HQ @ 2.80GHz	10257	279	NA	NA
Intel Core i7-5500U @ 2.40GHz	3975	1020	NA	NA
Intel Core i7-5550U @ 2.00GHz	3686	1096	NA	NA
Intel Core i7-5557U @ 3.10GHz	4949	834	7.02	\$705.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-5600U @ 2.60GHz	4316	960	NA	NA
Intel Core i7-5650U @ 2.20GHz	4224	975	NA	NA
Intel Core i7-5675C @ 3.10GHz	8164	464	NA	NA
Intel Core i7-5700EQ @ 2.60GHz	8239	455	NA	NA
Intel Core i7-5700HQ @ 2.70GHz	8355	448	NA	NA
Intel Core i7-5775C @ 3.30GHz	10976	247	15.99	\$686.32*
Intel Core i7-5775R @ 3.30GHz	10868	253	NA	NA
Intel Core i7-5820K @ 3.30GHz	12983	190	44.93	\$289.00
Intel Core i7-5850EQ @ 2.70GHz	9817	318	22.57	\$435.00*
Intel Core i7-5850HQ @ 2.70GHz	9459	351	21.80	\$434.00*
Intel Core i7-5930K @ 3.50GHz	13626	174	27.31	\$498.98*
Intel Core i7-5950HQ @ 2.90GHz	10925	250	NA	NA
Intel Core i7-5960X @ 3.00GHz	15934	117	15.78	\$1,009.99*
Intel Core i7-6498DU @ 2.50GHz	4538	916	NA	NA
Intel Core i7-6500U @ 2.50GHz	4430	936	NA	NA
Intel Core i7-6560U @ 2.20GHz	4814	855	NA	NA
Intel Core i7-6567U @ 3.30GHz	5604	724	NA	NA
Intel Core i7-6600U @ 2.60GHz	4801	862	NA	NA
Intel Core i7-6650U @ 2.20GHz	4967	830	NA	NA
Intel Core i7-6700 @ 3.40GHz	10006	301	34.51	\$289.99
Intel Core i7-6700HQ @ 2.60GHz	8133	467	21.52	\$378.00*
Intel Core i7-6700K @ 4.00GHz	11109	240	24.86	\$446.79*
Intel Core i7-6700T @ 2.80GHz	9018	396	30.06	\$300.00*
Intel Core i7-6700TE @ 2.40GHz	8674	426	NA	NA
Intel Core i7-6770HQ @ 2.60GHz	9727	329	9.71	\$1,001.88*
Intel Core i7-6800K @ 3.40GHz	13567	177	29.96	\$452.83
Intel Core i7-6820EQ @ 2.80GHz	8626	432	NA	NA
Intel Core i7-6820HK @ 2.70GHz	9116	384	NA	NA
Intel Core i7-6820HQ @ 2.70GHz	8773	416	NA	NA
Intel Core i7-6822EQ @ 2.00GHz	6427	633	NA	NA
Intel Core i7-6850K @ 3.60GHz	14371	151	23.22	\$619.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-6900K @ 3.20GHz	17654	83	19.55	\$902.83
Intel Core i7-6920HQ @ 2.90GHz	9556	339	16.83	\$568.00*
Intel Core i7-6950X @ 3.00GHz	19941	51	12.78	\$1,561.00
Intel Core i7-7500U @ 2.70GHz	5156	789	NA	NA
Intel Core i7-7560U @ 2.40GHz	5852	694	NA	NA
Intel Core i7-7567U @ 3.50GHz	6488	626	NA	NA
Intel Core i7-7600U @ 2.80GHz	5098	796	NA	NA
Intel Core i7-7660U @ 2.50GHz	6000	679	NA	NA
Intel Core i7-7700 @ 3.60GHz	10732	255	32.13	\$334.00
Intel Core i7-7700HQ @ 2.80GHz	8806	415	NA	NA
Intel Core i7-7700K @ 4.20GHz	12037	218	32.43	\$371.19
Intel Core i7-7700T @ 2.90GHz	9271	369	27.68	\$335.00
Intel Core i7-7740X @ 4.30GHz	12287	211	35.56	\$345.50
Intel Core i7-7800X @ 3.50GHz	14620	143	36.55	\$399.99
Intel Core i7-7820HK @ 2.90GHz	9991	302	NA	NA
Intel Core i7-7820HQ @ 2.90GHz	9248	371	24.47	\$378.00*
Intel Core i7-7820X @ 3.60GHz	18481	74	27.73	\$666.52
Intel Core i7-7900X @ 3.30GHz	20406	48	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core i7-7920HQ @ 3.10GHz	9979	305	NA	NA
Intel Core i7-8086K @ 4.00GHz	16684	93	30.17	\$552.96*
Intel Core i7-8500Y @ 1.50GHz	3919	1037	9.97	\$393.00*
Intel Core i7-8550U @ 1.80GHz	8295	452	NA	NA
Intel Core i7-8559U @ 2.70GHz	12364	206	NA	NA
Intel Core i7-8565U @ 1.80GHz	9097	385	NA	NA
Intel Core i7-8650U @ 1.90GHz	8821	414	NA	NA
Intel Core i7-8665U @ 1.90GHz	9541	343	23.33	\$409.00*
Intel Core i7-8700 @ 3.20GHz	15147	132	50.49	\$299.99
Intel Core i7-8700B @ 3.20GHz	14633	142	48.30	\$303.00*
Intel Core i7-8700K @ 3.70GHz	15962	114	42.01	\$379.99
Intel Core i7-8700T @ 2.40GHz	12742	196	32.76	\$389.00
Intel Core i7-8705G @ 3.10GHz	9908	311	7.03	\$1,408.75*
Intel Core i7-8706G @ 3.10GHz	10483	268	NA	NA
Intel Core i7-8709G @ 3.10GHz	9780	325	NA	NA
Intel Core i7-8750H @ 2.20GHz	12482	205	31.60	\$395.00*
Intel Core i7-8809G @ 3.10GHz	11027	244	NA	NA
Intel Core i7-8850H @ 2.60GHz	13076	187	33.10	\$395.00*
Intel Core i7-9700K @ 3.60GHz	17218	87	43.05	\$399.99
Intel Core i7-9700KF @ 3.60GHz	17994	80	46.74	\$385.00*
Intel Core i7-9750H @ 2.60GHz	13743	171	NA	NA
Intel Core i7-9800X @ 3.80GHz	19881	53	31.56	\$629.99*
Intel Core i9-7900X @ 3.30GHz	21900	32	23.80	\$919.99
Intel Core i9-7920X @ 2.90GHz	23395	23	24.12	\$969.99
Intel Core i9-7940X @ 3.10GHz	25390	15	18.15	\$1,399.00
Intel Core i9-7960X @ 2.80GHz	25974	11	18.55	\$1,399.99
Intel Core i9-7980XE @ 2.60GHz	27854	6	13.59	\$2,049.99
Intel Core i9-8950HK @ 2.90GHz	14391	149	24.69	\$583.00*
Intel Core i9-9820X @ 3.30GHz	21518	38	25.62	\$839.99
Intel Core i9-9900K @ 3.60GHz	20206	50	41.66	\$484.99
Intel Core i9-9900KF @ 3.60GHz	20760	46	37.41	\$554.96
Intel Core i9-9900X @ 3.50GHz	23097	26	23.10	\$999.99
Intel Core i9-9920X @ 3.50GHz	25926	12	21.61	\$1,199.99
Intel Core i9-9940X @ 3.30GHz	27398	8	19.58	\$1,399.00
Intel Core i9-9960X @ 3.10GHz	28820	4	15.79	\$1,825.19
Intel Core i9-9980XE @ 3.00GHz	29256	1	13.64	\$2,145.44
Intel Core m3-6Y30 @ 0.90GHz	3051	1273	10.86	\$281.00*
Intel Core m3-7Y30 @ 1.00GHz	3552	1122	NA	NA
Intel Core m3-7Y32 @ 1.10GHz	3318	1185	NA	NA
Intel Core m3-8100Y @ 1.10GHz	3489	1140	12.42	\$281.00*
Intel Core m5-6Y54 @ 1.10GHz	3377	1173	NA	NA
Intel Core m5-6Y57 @ 1.10GHz	3244	1206	NA	NA
Intel Core m7-6Y75 @ 1.20GHz	3476	1145	NA	NA
Intel Core M-5Y10 @ 0.80GHz	2702	1390	NA	NA
Intel Core M-5Y10a @ 0.80GHz	2387	1502	NA	NA
Intel Core M-5Y10c @ 0.80GHz	2815	1352	10.02	\$281.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core M-5Y31 @ 0.90GHz	2832	1345	NA	NA
Intel Core M-5Y51 @ 1.10GHz	2477	1470	NA	NA
Intel Core M-5Y70 @ 1.10GHz	3018	1281	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Core M-5Y71 @ 1.20GHz	2973	1297	10.58	\$281.00*
Intel Core Solo T1300 @ 1.66GHz	393	2569	NA	NA
Intel Core Solo T1350 @ 1.86GHz	396	2562	NA	NA
Intel Core Solo T1400 @ 1.83GHz	470	2479	NA	NA
Intel Core Solo U1300 @ 1.06GHz	271	2723	NA	NA
Intel Core Solo U1400 @ 1.20GHz	278	2716	NA	NA
Intel Core Solo U1500 @ 1.33GHz	330	2637	NA	NA
Intel E3000 @ 3.40GHz	2767	1367	NA	NA
Intel Pentium 4 1.40GHz	164	2823	NA	NA
Intel Pentium 4 1.50GHz	131	2840	NA	NA
Intel Pentium 4 1.60GHz	129	2842	NA	NA
Intel Pentium 4 1.70GHz	132	2839	NA	NA
Intel Pentium 4 1.80GHz	161	2826	NA	NA
Intel Pentium 4 1.90GHz	159	2827	NA	NA
Intel Pentium 4 2.00GHz	189	2805	NA	NA
Intel Pentium 4 2.20GHz	209	2787	NA	NA
Intel Pentium 4 2.26GHz	221	2775	NA	NA
Intel Pentium 4 2.40GHz	228	2768	NA	NA
Intel Pentium 4 2.50GHz	245	2753	NA	NA
Intel Pentium 4 2.53GHz	248	2749	NA	NA
Intel Pentium 4 2.60GHz	288	2695	NA	NA
Intel Pentium 4 2.66GHz	254	2741	NA	NA
Intel Pentium 4 2.80GHz	322	2643	NA	NA
Intel Pentium 4 2.93GHz	299	2677	NA	NA
Intel Pentium 4 3.00GHz	353	2615	NA	NA
Intel Pentium 4 3.06GHz	346	2619	NA	NA
Intel Pentium 4 3.20GHz	374	2588	NA	NA
Intel Pentium 4 3.40GHz	395	2564	NA	NA
Intel Pentium 4 3.46GHz	454	2497	NA	NA
Intel Pentium 4 3.60GHz	487	2460	NA	NA
Intel Pentium 4 3.73GHz	486	2461	NA	NA
Intel Pentium 4 3.80GHz	485	2463	NA	NA
Intel Pentium 4 3.83GHz	195	2800	NA	NA
Intel Pentium 4 4.00GHz	184	2810	NA	NA
Intel Pentium 4 1300MHz	119	2846	NA	NA
Intel Pentium 4 1400MHz	127	2843	NA	NA
Intel Pentium 4 1500MHz	125	2844	NA	NA
Intel Pentium 4 1600MHz	193	2804	0.30	\$647.45*
Intel Pentium 4 1700MHz	154	2830	NA	NA
Intel Pentium 4 1800MHz	162	2825	NA	NA
Intel Pentium 4 Mobile 1.40GHz	149	2833	NA	NA
Intel Pentium 4 Mobile 1.50GHz	197	2799	NA	NA
Intel Pentium 4 Mobile 1.60GHz	178	2816	NA	NA
Intel Pentium 4 Mobile 1.70GHz	208	2788	NA	NA
Intel Pentium 4 Mobile 1.80GHz	175	2819	NA	NA
Intel Pentium 4 Mobile 1.90GHz	209	2786	NA	NA
Intel Pentium 4 Mobile 2.00GHz	202	2795	NA	NA
Intel Pentium 5 2.66GHz	705	2340	NA	NA
Intel Pentium 957 @ 1.20GHz	1095	2125	8.18	\$134.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 967 @ 1.30GHz	1156	2093	NA	NA
Intel Pentium 977 @ 1.40GHz	1148	2098	NA	NA
Intel Pentium 987 @ 1.50GHz	1228	2050	NA	NA
Intel Pentium 997 @ 1.60GHz	1395	1953	NA	NA
Intel Pentium 1403 @ 2.60GHz	2742	1378	NA	NA
Intel Pentium 1403 v2 @ 2.60GHz	3018	1282	NA	NA
Intel Pentium 2020M @ 2.40GHz	2273	1548	16.97	\$134.00*
Intel Pentium 2030M @ 2.50GHz	2406	1493	17.96	\$134.00*
Intel Pentium 2117U @ 1.80GHz	1654	1838	12.34	\$134.00*
Intel Pentium 2127U @ 1.90GHz	1820	1750	13.58	\$134.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium 2129Y @ 1.10GHz	1057	2147	7.89	\$134.00*
Intel Pentium 3550M @ 2.30GHz	2270	1552	NA	NA
Intel Pentium 3556U @ 1.70GHz	1696	1810	NA	NA
Intel Pentium 3558U @ 1.70GHz	1681	1817	NA	NA
Intel Pentium 3560M @ 2.40GHz	2270	1551	NA	NA
Intel Pentium 3560Y @ 1.20GHz	1266	2028	NA	NA
Intel Pentium 3805U @ 1.90GHz	1980	1666	NA	NA
Intel Pentium 3825U @ 1.90GHz	2519	1452	NA	NA
Intel Pentium 4405U @ 2.10GHz	2930	1312	NA	NA
Intel Pentium 4405Y @ 1.50GHz	2059	1634	NA	NA
Intel Pentium 4410Y @ 1.50GHz	2047	1638	12.72	\$161.00*
Intel Pentium 4415U @ 2.30GHz	3135	1246	NA	NA
Intel Pentium 4415Y @ 1.60GHz	2226	1570	13.83	\$161.00*
Intel Pentium 4417U @ 2.30GHz	3246	1205	20.17	\$161.00*
Intel Pentium 5405U @ 2.30GHz	3152	1242	19.58	\$161.00*
Intel Pentium A1018 @ 2.10GHz	1605	1862	NA	NA
Intel Pentium B940 @ 2.00GHz	1728	1786	57.73	\$29.94*
Intel Pentium B950 @ 2.10GHz	1718	1792	NA	NA
Intel Pentium B960 @ 2.20GHz	1853	1730	37.83	\$48.99*
Intel Pentium B970 @ 2.30GHz	1958	1676	38.41	\$50.99*
Intel Pentium B980 @ 2.40GHz	2027	1645	28.98	\$69.95*
Intel Pentium D1508 @ 2.20GHz	3813	1060	29.56	\$129.00*
Intel Pentium D 805 @ 2.66GHz	531	2428	NA	NA
Intel Pentium D 830 @ 3.00GHz	642	2371	NA	NA
Intel Pentium D 915 @ 2.80GHz	582	2400	NA	NA
Intel Pentium D 940 @ 3.20GHz	711	2336	NA	NA
Intel Pentium D 950 @ 3.40GHz	742	2323	NA	NA
Intel Pentium D 960 @ 3.60GHz	811	2294	NA	NA
Intel Pentium E2140 @ 1.60GHz	869	2261	5.50	\$157.95*
Intel Pentium E2160 @ 1.80GHz	998	2182	8.50	\$117.50
Intel Pentium E2180 @ 2.00GHz	1088	2129	36.31	\$29.99
Intel Pentium E2200 @ 2.20GHz	1203	2064	16.04	\$75.00*
Intel Pentium E2210 @ 2.20GHz	1174	2079	NA	NA
Intel Pentium E2220 @ 2.40GHz	1329	1988	8.42	\$157.95*
Intel Pentium E5200 @ 2.50GHz	1487	1916	16.53	\$89.95*
Intel Pentium E5300 @ 2.60GHz	1538	1888	66.93	\$22.99
Intel Pentium E5400 @ 2.70GHz	1600	1866	80.06	\$19.99*
Intel Pentium E5500 @ 2.80GHz	1636	1845	82.04	\$19.95*
Intel Pentium E5700 @ 3.00GHz	1736	1782	115.85	\$14.99*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium E5800 @ 3.20GHz	1892	1711	63.12	\$29.99*
Intel Pentium E6300 @ 2.80GHz	1705	1804	165.54	\$10.30*
Intel Pentium E6500 @ 2.93GHz	1763	1766	11.16	\$157.95*
Intel Pentium E6600 @ 3.06GHz	1863	1727	18.64	\$100.00*
Intel Pentium E6700 @ 3.20GHz	1932	1688	113.76	\$16.99*
Intel Pentium E6800 @ 3.33GHz	1988	1664	22.34	\$89.00*
Intel Pentium Extreme Edition 955 @ 3.46GHz	912	2247	1.20	\$759.00*
Intel Pentium Extreme Edition 965 @ 3.73GHz	961	2208	NA	NA
Intel Pentium G620 @ 2.60GHz	2293	1534	91.77	\$24.99*
Intel Pentium G620T @ 2.20GHz	2028	1644	25.36	\$79.99*
Intel Pentium G630 @ 2.70GHz	2373	1507	23.73	\$100.00*
Intel Pentium G630T @ 2.30GHz	2089	1621	26.12	\$79.99*
Intel Pentium G640 @ 2.80GHz	2523	1451	16.82	\$150.00
Intel Pentium G640T @ 2.40GHz	1979	1667	NA	NA
Intel Pentium G645 @ 2.90GHz	2590	1425	16.19	\$160.00
Intel Pentium G645T @ 2.50GHz	2293	1535	NA	NA
Intel Pentium G840 @ 2.80GHz	2561	1437	73.21	\$34.99*
Intel Pentium G850 @ 2.90GHz	2664	1401	13.46	\$197.99
Intel Pentium G860 @ 3.00GHz	2742	1379	33.04	\$82.99
Intel Pentium G870 @ 3.10GHz	2814	1354	29.01	\$97.00
Intel Pentium G2010 @ 2.80GHz	2593	1423	74.34	\$34.89*
Intel Pentium G2020 @ 2.90GHz	2757	1375	45.99	\$59.95
Intel Pentium G2020T @ 2.50GHz	2435	1481	51.18	\$47.60*
Intel Pentium G2030 @ 3.00GHz	2869	1337	71.75	\$39.99*
Intel Pentium G2030T @ 2.60GHz	2487	1465	38.86	\$64.00*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G2100T @ 2.60GHz	2763	1372	NA	NA
Intel Pentium G2120 @ 3.10GHz	3083	1262	19.32	\$159.55*
Intel Pentium G2130 @ 3.20GHz	3205	1217	64.12	\$49.99*
Intel Pentium G2140 @ 3.30GHz	3384	1169	67.71	\$49.99*
Intel Pentium G3220 @ 3.00GHz	3126	1247	27.43	\$114.00
Intel Pentium G3220T @ 2.60GHz	2573	1433	36.76	\$69.99*
Intel Pentium G3240 @ 3.10GHz	3158	1240	22.47	\$140.58*
Intel Pentium G3240T @ 2.70GHz	2840	1341	NA	NA
Intel Pentium G3250 @ 3.20GHz	3248	1203	29.54	\$109.99*
Intel Pentium G3250T @ 2.80GHz	2971	1299	33.02	\$89.99*
Intel Pentium G3258 @ 3.20GHz	3873	1041	20.57	\$188.28
Intel Pentium G3260 @ 3.30GHz	3359	1176	24.00	\$139.99
Intel Pentium G3260T @ 2.90GHz	2930	1313	32.56	\$89.99*
Intel Pentium G3320TE @ 2.30GHz	2389	1499	NA	NA
Intel Pentium G3420 @ 3.20GHz	3396	1163	26.25	\$129.39
Intel Pentium G3420T @ 2.70GHz	3008	1286	18.80	\$159.99*
Intel Pentium G3430 @ 3.30GHz	3395	1165	37.74	\$89.99*
Intel Pentium G3440 @ 3.30GHz	3314	1186	20.72	\$159.94*
Intel Pentium G3440T @ 2.80GHz	3101	1256	NA	NA
Intel Pentium G3450 @ 3.40GHz	3700	1089	37.01	\$99.99*
Intel Pentium G3450T @ 2.90GHz	2967	1302	NA	NA
Intel Pentium G3460 @ 3.50GHz	3582	1116	12.43	\$288.20*
Intel Pentium G3470 @ 3.60GHz	3704	1087	35.53	\$104.29*
Intel Pentium G4400 @ 3.30GHz	3549	1126	39.94	\$88.88
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium G4400T @ 2.90GHz	3183	1225	NA	NA
Intel Pentium G4400TE @ 2.40GHz	2885	1335	45.09	\$64.00*
Intel Pentium G4500 @ 3.50GHz	3803	1063	27.68	\$137.41
Intel Pentium G4500T @ 3.00GHz	3471	1147	NA	NA
Intel Pentium G4520 @ 3.60GHz	4184	983	40.24	\$103.99*
Intel Pentium G4560 @ 3.50GHz	4866	847	62.54	\$77.82
Intel Pentium G4560T @ 2.90GHz	3992	1018	36.30	\$109.99*
Intel Pentium G4600 @ 3.60GHz	5079	801	21.17	\$239.95
Intel Pentium G4600T @ 3.00GHz	4266	966	24.06	\$177.28*
Intel Pentium G4620 @ 3.70GHz	5210	780	45.84	\$113.66*
Intel Pentium G6950 @ 2.80GHz	1859	1728	46.49	\$39.99*
Intel Pentium G6951 @ 2.80GHz	2135	1598	22.72	\$94.00*
Intel Pentium G6960 @ 2.93GHz	2057	1636	NA	NA
Intel Pentium Gold G5400 @ 3.70GHz	5192	784	69.24	\$74.99
Intel Pentium Gold G5400T @ 3.10GHz	5048	811	78.89	\$64.00*
Intel Pentium Gold G5500 @ 3.80GHz	5220	779	43.87	\$118.99
Intel Pentium Gold G5500T @ 3.20GHz	4342	953	57.89	\$75.00*
Intel Pentium Gold G5600 @ 3.90GHz	5667	716	52.11	\$108.75*
Intel Pentium III 933S @ 933MHz	238	2762	NA	NA
Intel Pentium III 1133 @ 1133MHz	284	2700	NA	NA
Intel Pentium III 1200 @ 1200MHz	278	2715	NA	NA
Intel Pentium III 1266S @ 1266MHz	309	2660	NA	NA
Intel Pentium III 1400 @ 1400MHz	297	2680	NA	NA
Intel Pentium III 1400S @ 1400MHz	299	2676	NA	NA
Intel Pentium III Mobile 750MHz	103	2849	NA	NA
Intel Pentium III Mobile 800MHz	182	2813	NA	NA
Intel Pentium III Mobile 866MHz	152	2831	NA	NA
Intel Pentium III Mobile 933MHz	218	2777	7.55	\$28.99
Intel Pentium III Mobile 1000MHz	245	2752	NA	NA
Intel Pentium III Mobile 1066MHz	246	2751	NA	NA
Intel Pentium III Mobile 1133MHz	251	2745	NA	NA
Intel Pentium III Mobile 1200MHz	240	2759	NA	NA
Intel Pentium J2850 @ 2.41GHz	1839	1740	NA	NA
Intel Pentium J2900 @ 2.41GHz	1956	1677	NA	NA
Intel Pentium J3710 @ 1.60GHz	1918	1696	NA	NA
Intel Pentium J4205 @ 1.50GHz	2283	1542	NA	NA
Intel Pentium M 1.10GHz	282	2706	NA	NA
Intel Pentium M 1.20GHz	298	2678	NA	NA
Intel Pentium M 1.30GHz	301	2670	NA	NA
Intel Pentium M 1.40GHz	345	2622	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium M 1.50GHz	366	2599	NA	NA
Intel Pentium M 1.60GHz	364	2603	NA	NA
Intel Pentium M 1.70GHz	406	2547	NA	NA
Intel Pentium M 1.73GHz	413	2537	NA	NA
Intel Pentium M 1.80GHz	411	2539	NA	NA
Intel Pentium M 1.86GHz	439	2514	NA	NA
Intel Pentium M 2.00GHz	461	2489	NA	NA
Intel Pentium M 2.10GHz	448	2502	NA	NA
Intel Pentium M 2.13GHz	504	2449	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Pentium M 2.26GHz	509	2445	NA	NA
Intel Pentium M 756 @ 1.66GHz	484	2468	NA	NA
Intel Pentium M 900MHz	217	2780	NA	NA
Intel Pentium M 1000MHz	233	2765	NA	NA
Intel Pentium M 1100MHz	259	2737	NA	NA
Intel Pentium M 1200MHz	237	2763	NA	NA
Intel Pentium M 1300MHz	303	2664	NA	NA
Intel Pentium M 1400MHz	320	2645	NA	NA
Intel Pentium M 1500MHz	354	2612	NA	NA
Intel Pentium M 1600MHz	334	2633	NA	NA
Intel Pentium M 1700MHz	376	2584	NA	NA
Intel Pentium N3510 @ 1.99GHz	1519	1898	NA	NA
Intel Pentium N3520 @ 2.16GHz	1789	1759	NA	NA
Intel Pentium N3530 @ 2.16GHz	1894	1709	NA	NA
Intel Pentium N3540 @ 2.16GHz	1925	1691	7.68	\$250.87*
Intel Pentium N3700 @ 1.60GHz	1831	1745	4.12	\$444.78*
Intel Pentium N3710 @ 1.60GHz	1865	1725	NA	NA
Intel Pentium N4200 @ 1.10GHz	2029	1643	10.24	\$198.30
Intel Pentium P6000 @ 1.87GHz	1243	2044	NA	NA
Intel Pentium P6100 @ 2.00GHz	1326	1990	110.50	\$12.00*
Intel Pentium P6200 @ 2.13GHz	1349	1980	30.03	\$44.95*
Intel Pentium P6300 @ 2.27GHz	1380	1962	NA	NA
Intel Pentium Silver J5005 @ 1.50GHz	2906	1322	13.22	\$219.92*
Intel Pentium Silver N5000 @ 1.10GHz	2432	1482	15.11	\$161.00*
Intel Pentium SU2700 @ 1.30GHz	405	2548	NA	NA
Intel Pentium SU4100 @ 1.30GHz	855	2270	NA	NA
Intel Pentium T1080 @ 1.73GHz	842	2276	NA	NA
Intel Pentium T2060 @ 1.60GHz	663	2359	NA	NA
Intel Pentium T2080 @ 1.73GHz	705	2341	4.41	\$159.95*
Intel Pentium T2130 @ 1.86GHz	710	2337	NA	NA
Intel Pentium T2310 @ 1.46GHz	734	2325	NA	NA
Intel Pentium T2330 @ 1.60GHz	830	2282	NA	NA
Intel Pentium T2370 @ 1.73GHz	844	2275	24.14	\$35.00*
Intel Pentium T2390 @ 1.86GHz	946	2223	NA	NA
Intel Pentium T2410 @ 2.00GHz	977	2196	NA	NA
Intel Pentium T3200 @ 2.00GHz	1032	2158	86.02	\$12.00*
Intel Pentium T3400 @ 2.16GHz	1113	2111	12.38	\$89.95*
Intel Pentium T4200 @ 2.00GHz	1150	2095	95.89	\$12.00*
Intel Pentium T4300 @ 2.10GHz	1232	2049	NA	NA
Intel Pentium T4400 @ 2.20GHz	1284	2019	NA	NA
Intel Pentium T4500 @ 2.30GHz	1335	1986	NA	NA
Intel Pentium U5400 @ 1.20GHz	814	2289	NA	NA
Intel Pentium U5600 @ 1.33GHz	951	2217	NA	NA
Intel T1200 @ 1.50GHz	435	2520	NA	NA
Intel T1400 @ 1.73GHz	929	2231	NA	NA
Intel T1500 @ 1.86GHz	953	2216	NA	NA
Intel T2050 @ 2.00GHz	959	2211	NA	NA
Intel Xeon 2.00GHz	233	2764	NA	NA
Intel XEON 2.20GHz	252	2743	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon 2.40GHz	276	2718	30.35	\$9.10*
Intel Xeon 2.66GHz	435	2519	NA	NA
Intel Xeon 2.80GHz	400	2559	NA	NA
Intel Xeon 3.00GHz	391	2572	NA	NA



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon 3.06GHz	491	2455	NA	NA
Intel Xeon 3.20GHz	461	2490	NA	NA
Intel Xeon 3.40GHz	478	2472	NA	NA
Intel Xeon 3.60GHz	509	2444	0.60	\$851.00*
Intel Xeon 3.73GHz	1041	2155	NA	NA
Intel Xeon 3.80GHz	604	2388	0.71	\$851.00*
Intel Xeon 1500MHz	193	2803	NA	NA
Intel Xeon 3040 @ 1.86GHz	1284	2018	51.31	\$25.04*
Intel Xeon 3050 @ 2.13GHz	1300	2001	8.23	\$157.95*
Intel Xeon 3060 @ 2.40GHz	1518	1899	66.07	\$22.99*
Intel Xeon 3065 @ 2.33GHz	1520	1895	72.77	\$20.90*
Intel Xeon 3070 @ 2.66GHz	1784	1761	4.36	\$408.95*
Intel Xeon 3075 @ 2.66GHz	1840	1738	5.26	\$349.95*
Intel Xeon 3085 @ 3.00GHz	1570	1879	NA	NA
Intel Xeon 5110 @ 1.60GHz	1079	2138	6.75	\$159.95*
Intel Xeon 5120 @ 1.86GHz	1248	2041	0.77	\$1,619.99
Intel Xeon 5130 @ 2.00GHz	1366	1966	43.44	\$31.46*
Intel Xeon 5133 @ 2.20GHz	1598	1867	NA	NA
Intel Xeon 5140 @ 2.33GHz	1644	1840	35.00	\$46.99*
Intel Xeon 5148 @ 2.33GHz	1590	1873	121.17	\$13.13*
Intel Xeon 5150 @ 2.66GHz	1752	1773	16.85	\$103.99*
Intel Xeon 5160 @ 3.00GHz	1963	1675	57.84	\$33.95
Intel Xeon @ 2.20GHz	1902	1704	NA	NA
Intel Xeon Bronze 3104 @ 1.70GHz	5664	717	25.17	\$224.99
Intel Xeon Bronze 3106 @ 1.70GHz	6698	611	20.30	\$329.99
Intel Xeon D-1518 @ 2.20GHz	5322	768	NA	NA
Intel Xeon D-1520 @ 2.20GHz	5755	705	NA	NA
Intel Xeon D-1521 @ 2.40GHz	6980	579	NA	NA
Intel Xeon D-1528 @ 1.90GHz	8210	459	NA	NA
Intel Xeon D-1531 @ 2.20GHz	9730	328	27.96	\$348.00*
Intel Xeon D-1537 @ 1.70GHz	7731	507	13.54	\$571.00*
Intel Xeon D-1540 @ 2.00GHz	10573	263	NA	NA
Intel Xeon D-1541 @ 2.10GHz	11102	241	NA	NA
Intel Xeon D-1548 @ 2.00GHz	10679	258	19.24	\$555.00*
Intel Xeon D-1559 @ 1.50GHz	8055	476	NA	NA
Intel Xeon D-1567 @ 2.10GHz	14482	147	NA	NA
Intel Xeon D-1587 @ 1.70GHz	14049	160	NA	NA
Intel Xeon D-2123IT @ 2.20GHz	8140	466	38.22	\$213.00*
Intel Xeon D-2141I @ 2.20GHz	12836	192	23.13	\$555.00*
Intel Xeon D-2143IT @ 2.20GHz	13816	167	24.41	\$566.00*
Intel Xeon D-2183IT @ 2.20GHz	18627	69	10.56	\$1,764.00*
Intel Xeon E3-1220 @ 3.10GHz	6099	671	107.00	\$57.00
Intel Xeon E3-1220 V2 @ 3.10GHz	6700	610	104.69	\$64.00
Intel Xeon E3-1220 v3 @ 3.10GHz	7137	566	34.65	\$206.00
Intel Xeon E3-1220 v5 @ 3.00GHz	7776	505	29.18	\$266.46*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1220 v6 @ 3.00GHz	7859	491	36.56	\$214.99
Intel Xeon E3-1220L @ 2.20GHz	3563	1120	NA	NA
Intel Xeon E3-1220L V2 @ 2.30GHz	4419	938	NA	NA
Intel Xeon E3-1220L v3 @ 1.10GHz	2110	1614	NA	NA
Intel Xeon E3-1225 @ 3.10GHz	5889	689	93.48	\$63.00
Intel Xeon E3-1225 V2 @ 3.20GHz	6913	588	88.64	\$78.00
Intel Xeon E3-1225 v3 @ 3.20GHz	7242	559	25.78	\$281.00
Intel Xeon E3-1225 v5 @ 3.30GHz	7821	497	29.18	\$268.04*
Intel Xeon E3-1225 v6 @ 3.30GHz	8097	472	34.46	\$234.99
Intel Xeon E3-1226 v3 @ 3.30GHz	7568	525	13.44	\$563.00*
Intel Xeon E3-1230 @ 3.20GHz	7848	495	61.80	\$127.00
Intel Xeon E3-1230 V2 @ 3.30GHz	8859	412	69.76	\$127.00
Intel Xeon E3-1230 v3 @ 3.30GHz	9330	363	49.10	\$190.03
Intel Xeon E3-1230 v5 @ 3.40GHz	9786	323	34.95	\$279.99*
Intel Xeon E3-1230 v6 @ 3.50GHz	9847	316	37.88	\$259.99
Intel Xeon E3-1230L v3 @ 1.80GHz	7231	561	25.12	\$287.90*
Intel Xeon E3-1231 v3 @ 3.40GHz	9622	335	56.93	\$169.03
Intel Xeon E3-1235 @ 3.20GHz	7680	515	31.48	\$244.00
Intel Xeon E3-1235L v5 @ 2.00GHz	6470	629	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1240 @ 3.30GHz	7962	487	65.80	\$121.00
Intel Xeon E3-1240 V2 @ 3.40GHz	9136	379	59.72	\$153.00
Intel Xeon E3-1240 v3 @ 3.40GHz	9656	334	25.12	\$384.40*
Intel Xeon E3-1240 v5 @ 3.50GHz	10374	273	30.36	\$341.67*
Intel Xeon E3-1240 v6 @ 3.70GHz	10393	272	36.07	\$288.14
Intel Xeon E3-1240L v3 @ 2.00GHz	7513	528	NA	NA
Intel Xeon E3-1240L v5 @ 2.10GHz	7793	503	28.03	\$278.00*
Intel Xeon E3-1241 v3 @ 3.50GHz	10017	298	24.32	\$411.99*
Intel Xeon E3-1245 @ 3.30GHz	7997	484	83.31	\$96.00
Intel Xeon E3-1245 V2 @ 3.40GHz	9126	381	54.33	\$168.00
Intel Xeon E3-1245 v3 @ 3.40GHz	9564	338	30.95	\$309.00
Intel Xeon E3-1245 v5 @ 3.50GHz	10184	285	29.49	\$345.31*
Intel Xeon E3-1245 v6 @ 3.70GHz	10543	264	34.01	\$309.99
Intel Xeon E3-1246 v3 @ 3.50GHz	9856	315	24.10	\$409.00*
Intel Xeon E3-1260L @ 2.40GHz	6534	624	76.32	\$85.62
Intel Xeon E3-1260L v5 @ 2.90GHz	10218	280	13.88	\$736.16*
Intel Xeon E3-1265L @ 2.40GHz	6038	677	6.58	\$918.35*
Intel Xeon E3-1265L V2 @ 2.50GHz	7403	543	24.27	\$305.00
Intel Xeon E3-1265L v3 @ 2.50GHz	9199	375	12.96	\$709.95
Intel Xeon E3-1265L v4 @ 2.30GHz	9060	390	NA	NA
Intel Xeon E3-1268L v3 @ 2.30GHz	7850	494	NA	NA
Intel Xeon E3-1268L v5 @ 2.40GHz	8695	422	23.06	\$377.00*
Intel Xeon E3-1270 @ 3.40GHz	8238	456	25.99	\$317.00*
Intel Xeon E3-1270 V2 @ 3.50GHz	9470	350	33.56	\$282.22
Intel Xeon E3-1270 v3 @ 3.50GHz	9917	308	26.80	\$369.99*
Intel Xeon E3-1270 v5 @ 3.60GHz	10305	276	19.36	\$532.41
Intel Xeon E3-1270 v6 @ 3.80GHz	11184	236	33.03	\$338.61
Intel Xeon E3-1270L v4 @ 3.00GHz	10691	257	NA	NA
Intel Xeon E3-1271 v3 @ 3.60GHz	10093	292	11.37	\$888.00*
Intel Xeon E3-1275 @ 3.40GHz	8215	458	27.03	\$304.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E3-1275 V2 @ 3.50GHz	9447	355	23.93	\$394.72*
Intel Xeon E3-1275 v3 @ 3.50GHz	9915	309	24.73	\$400.99*
Intel Xeon E3-1275 v5 @ 3.60GHz	10366	275	18.75	\$553.00*
Intel Xeon E3-1275 v6 @ 3.80GHz	11142	239	31.84	\$349.99
Intel Xeon E3-1275L v3 @ 2.70GHz	8901	406	NA	NA
Intel Xeon E3-1276 v3 @ 3.60GHz	10205	282	9.51	\$1,073.00*
Intel Xeon E3-1280 @ 3.50GHz	8465	438	23.01	\$368.00
Intel Xeon E3-1280 V2 @ 3.60GHz	9447	353	11.00	\$859.00
Intel Xeon E3-1280 v3 @ 3.60GHz	9775	326	14.02	\$697.36*
Intel Xeon E3-1280 v5 @ 3.70GHz	10666	259	15.46	\$690.01*
Intel Xeon E3-1280 v6 @ 3.90GHz	11371	231	25.90	\$438.99
Intel Xeon E3-1281 v3 @ 3.70GHz	10276	278	11.71	\$877.75*
Intel Xeon E3-1285 v3 @ 3.60GHz	10458	269	NA	NA
Intel Xeon E3-1285 v4 @ 3.50GHz	10510	266	NA	NA
Intel Xeon E3-1285 v6 @ 4.10GHz	11955	220	26.57	\$450.00*
Intel Xeon E3-1285L v3 @ 3.10GHz	9981	304	12.35	\$808.02*
Intel Xeon E3-1285L v4 @ 3.40GHz	10961	248	NA	NA
Intel Xeon E3-1286 v3 @ 3.70GHz	9899	312	11.80	\$839.00*
Intel Xeon E3-1286L v3 @ 3.20GHz	9495	346	12.27	\$774.00*
Intel Xeon E3-1290 @ 3.60GHz	8699	421	9.83	\$885.00*
Intel Xeon E3-1290 V2 @ 3.70GHz	9709	332	10.97	\$885.00*
Intel Xeon E3-1505L v5 @ 2.00GHz	6374	642	NA	NA
Intel Xeon E3-1505M v5 @ 2.80GHz	8933	405	NA	NA
Intel Xeon E3-1505M v6 @ 3.00GHz	9807	319	NA	NA
Intel Xeon E3-1515M v5 @ 2.80GHz	10093	293	NA	NA
Intel Xeon E3-1535M v5 @ 2.90GHz	9340	362	NA	NA
Intel Xeon E3-1535M v6 @ 3.10GHz	10580	262	NA	NA
Intel Xeon E3-1545M v5 @ 2.90GHz	10443	270	NA	NA
Intel Xeon E3-1575M v5 @ 3.00GHz	10625	261	NA	NA
Intel Xeon E3-1585 v5 @ 3.50GHz	10797	254	NA	NA
Intel Xeon E3-1585L v5 @ 3.00GHz	10135	288	22.78	\$445.00*
Intel Xeon E5-1410 @ 2.80GHz	7312	553	NA	NA
Intel Xeon E5-1410 v2 @ 2.80GHz	7430	536	NA	NA
Intel Xeon E5-1603 @ 2.80GHz	5570	726	21.21	\$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	6177	659	NA	NA
Intel Xeon E5-1603 v4 @ 2.80GHz	6432	631	NA	NA
Intel Xeon E5-1607 @ 3.00GHz	5882	690	267.51	\$21.99*
Intel Xeon E5-1607 v2 @ 3.00GHz	6211	656	177.74	\$34.95
Intel Xeon E5-1607 v3 @ 3.10GHz	6961	580	NA	NA
Intel Xeon E5-1607 v4 @ 3.10GHz	7249	557	NA	NA
Intel Xeon E5-1620 @ 3.60GHz	9039	392	27.40	\$329.93
Intel Xeon E5-1620 v2 @ 3.70GHz	9479	349	160.69	\$58.99
Intel Xeon E5-1620 v3 @ 3.50GHz	9752	327	60.96	\$159.99
Intel Xeon E5-1620 v4 @ 3.50GHz	9923	307	34.82	\$285.00
Intel Xeon E5-1630 v3 @ 3.70GHz	10214	281	17.09	\$597.85*
Intel Xeon E5-1630 v4 @ 3.70GHz	10300	277	NA	NA
Intel Xeon E5-1650 @ 3.20GHz	11724	226	23.68	\$495.00*
Intel Xeon E5-1650 v2 @ 3.50GHz	12712	197	105.98	\$119.95
Intel Xeon E5-1650 v3 @ 3.50GHz	13622	176	20.33	\$670.21
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-1650 v4 @ 3.60GHz	14219	154	22.50	\$631.99
Intel Xeon E5-1660 @ 3.30GHz	12361	207	10.08	\$1,226.66*
Intel Xeon E5-1660 v2 @ 3.70GHz	13830	166	7.65	\$1,808.95*
Intel Xeon E5-1660 v3 @ 3.00GHz	14573	144	9.02	\$1,616.49*
Intel Xeon E5-1660 v4 @ 3.20GHz	16161	110	13.14	\$1,229.52*
Intel Xeon E5-1680 v2 @ 3.00GHz	16222	106	NA	NA
Intel Xeon E5-1680 v3 @ 3.20GHz	16431	99	NA	NA
Intel Xeon E5-1680 v4 @ 3.40GHz	17093	89	NA	NA
Intel Xeon E5-1681 v3 @ 2.90GHz	18238	76	NA	NA
Intel Xeon E5-2403 @ 1.80GHz	3523	1131	10.37	\$339.97*
Intel Xeon E5-2403 v2 @ 1.80GHz	3418	1158	18.09	\$189.00*
Intel Xeon E5-2407 @ 2.20GHz	4188	981	12.50	\$335.04
Intel Xeon E5-2407 v2 @ 2.40GHz	4498	922	9.44	\$476.31*
Intel Xeon E5-2418L @ 2.00GHz	5202	782	NA	NA
Intel Xeon E5-2420 @ 1.90GHz	7045	575	338.89	\$20.79*
Intel Xeon E5-2420 v2 @ 2.20GHz	8632	431	196.19	\$44.00
Intel Xeon E5-2430 @ 2.20GHz	6878	591	171.96	\$40.00*
Intel Xeon E5-2430 v2 @ 2.50GHz	8991	397	16.06	\$559.99
Intel Xeon E5-2430L @ 2.00GHz	7269	556	69.90	\$103.99*
Intel Xeon E5-2430L v2 @ 2.40GHz	6627	618	NA	NA
Intel Xeon E5-2440 @ 2.40GHz	9178	376	183.72	\$49.96*
Intel Xeon E5-2440 v2 @ 1.90GHz	9290	365	18.22	\$509.95*
Intel Xeon E5-2448L v2 @ 1.80GHz	8954	401	6.29	\$1,424.00*
Intel Xeon E5-2450 @ 2.10GHz	10186	284	27.61	\$369.00
Intel Xeon E5-2450L @ 1.80GHz	8261	453	103.28	\$79.99*
Intel Xeon E5-2470 @ 2.30GHz	10061	297	31.77	\$316.72*
Intel Xeon E5-2470 v2 @ 2.40GHz	12836	193	75.18	\$170.75
Intel Xeon E5-2603 @ 1.80GHz	3580	1117	143.52	\$24.95
Intel Xeon E5-2603 v2 @ 1.80GHz	3766	1071	127.15	\$29.62*
Intel Xeon E5-2603 v3 @ 1.60GHz	5179	788	16.71	\$309.95
Intel Xeon E5-2603 v4 @ 1.70GHz	5451	745	23.70	\$229.99
Intel Xeon E5-2608L v3 @ 2.00GHz	7857	492	17.82	\$441.00*
Intel Xeon E5-2609 @ 2.40GHz	4616	895	86.25	\$53.52
Intel Xeon E5-2609 v2 @ 2.50GHz	5149	790	190.72	\$27.00
Intel Xeon E5-2609 v3 @ 1.90GHz	5901	688	14.79	\$399.00*
Intel Xeon E5-2609 v4 @ 1.70GHz	6890	590	21.53	\$319.99
Intel Xeon E5-2618L v3 @ 2.30GHz	12186	215	NA	NA
Intel Xeon E5-2618L v4 @ 2.20GHz	14572	145	18.71	\$779.00*
Intel Xeon E5-2620 @ 2.00GHz	7904	489	78.58	\$100.59
Intel Xeon E5-2620 v2 @ 2.10GHz	8685	424	250.68	\$34.65
Intel Xeon E5-2620 v3 @ 2.40GHz	10011	300	32.40	\$309.00
Intel Xeon E5-2620 v4 @ 2.10GHz	11359	232	27.71	\$409.99
Intel Xeon E5-2623 v3 @ 3.00GHz	8988	399	22.20	\$404.99*
Intel Xeon E5-2623 v4 @ 2.60GHz	8444	441	15.38	\$549.00*
Intel Xeon E5-2628L v2 @ 1.90GHz	9405	357	NA	NA
Intel Xeon E5-2628L v3 @ 2.00GHz	12295	209	NA	NA
Intel Xeon E5-2628L v4 @ 1.90GHz	13101	186	9.61	\$1,364.00*
Intel Xeon E5-2629 v3 @ 2.40GHz	11022	245	NA	NA
Intel Xeon E5-2630 @ 2.30GHz	8860	411	246.11	\$36.00

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 E5-2630 v2 @ 2.60GHz	10405	271	178.69	\$58.23
Intel Xeon E5-2630 v3 @ 2.40GHz	12805	194	41.44	\$309.00
Intel Xeon E5-2630 v4 @ 2.20GHz	13906	163	21.80	\$637.98
Intel Xeon E5-2630L @ 2.00GHz	7865	490	NA	NA
Intel Xeon E5-2630L v2 @ 2.40GHz	9088	387	NA	NA
Intel Xeon E5-2630L v3 @ 1.80GHz	9727	330	12.94	\$751.92*
Intel Xeon E5-2630L v4 @ 1.80GHz	12847	191	NA	NA
Intel Xeon E5-2637 v2 @ 3.50GHz	9447	354	36.51	\$258.77*
Intel Xeon E5-2637 v3 @ 3.50GHz	10117	290	7.81	\$1,295.95*
Intel Xeon E5-2637 v4 @ 3.50GHz	10497	267	9.68	\$1,084.55
Intel Xeon E5-2640 @ 2.50GHz	9356	359	88.28	\$105.99
Intel Xeon E5-2640 v2 @ 2.00GHz	10143	286	31.90	\$317.99
Intel Xeon E5-2640 v3 @ 2.60GHz	13885	164	45.83	\$303.00
Intel Xeon E5-2640 v4 @ 2.40GHz	15380	129	15.71	\$978.99
Intel Xeon E5-2643 @ 3.30GHz	8436	442	3.79	\$2,226.00*
Intel Xeon E5-2643 v2 @ 3.50GHz	13030	188	118.46	\$110.00
Intel Xeon E5-2643 v3 @ 3.40GHz	13844	165	16.30	\$849.19
Intel Xeon E5-2643 v4 @ 3.40GHz	13655	172	8.22	\$1,660.61
Intel Xeon E5-2648L @ 1.80GHz	7426	537	NA	NA
Intel Xeon E5-2648L v3 @ 1.80GHz	11392	230	7.30	\$1,560.86*
Intel Xeon E5-2648L v4 @ 1.80GHz	13654	173	NA	NA
Intel Xeon E5-2649 v3 @ 2.30GHz	14677	141	NA	NA
Intel Xeon E5-2650 @ 2.00GHz	10110	291	100.73	\$100.38
Intel Xeon E5-2650 v2 @ 2.60GHz	13204	185	169.53	\$77.89
Intel Xeon E5-2650 v3 @ 2.30GHz	14844	138	34.13	\$435.00
Intel Xeon E5-2650 v4 @ 2.20GHz	15867	122	13.22	\$1,199.99
Intel Xeon E5-2650L @ 1.80GHz	8676	425	109.83	\$79.00*
Intel Xeon E5-2650L v2 @ 1.70GHz	9261	370	62.15	\$149.02*
Intel Xeon E5-2650L v3 @ 1.80GHz	13513	181	9.66	\$1,399.00*
Intel Xeon E5-2650L v4 @ 1.70GHz	14093	158	9.42	\$1,496.00*
Intel Xeon E5-2651 v2 @ 1.80GHz	11336	233	NA	NA
Intel Xeon E5-2658 @ 2.10GHz	9484	348	6.49	\$1,462.00*
Intel Xeon E5-2658 v2 @ 2.40GHz	14128	157	NA	NA
Intel Xeon E5-2658 v3 @ 2.20GHz	16298	105	NA	NA
Intel Xeon E5-2658 v4 @ 2.30GHz	16754	92	NA	NA
Intel Xeon E5-2660 @ 2.20GHz	11060	243	109.70	\$100.83
Intel Xeon E5-2660 v2 @ 2.20GHz	13266	183	70.19	\$189.00
Intel Xeon E5-2660 v3 @ 2.60GHz	16184	108	31.80	\$509.00
Intel Xeon E5-2660 v4 @ 2.00GHz	16880	91	11.25	\$1,499.99
Intel Xeon E5-2663 v3 @ 2.80GHz	13994	161	NA	NA
Intel Xeon E5-2665 @ 2.40GHz	11545	229	107.91	\$106.99
Intel Xeon E5-2667 @ 2.90GHz	10372	274	162.37	\$63.88
Intel Xeon E5-2667 v2 @ 3.30GHz	16186	107	80.94	\$199.99
Intel Xeon E5-2667 v3 @ 3.20GHz	16171	109	18.91	\$855.30
Intel Xeon E5-2667 v4 @ 3.20GHz	16684	94	7.29	\$2,287.99*
Intel Xeon E5-2670 @ 2.60GHz	12113	217	50.07	\$241.94
Intel Xeon E5-2670 v2 @ 2.50GHz	14995	136	81.06	\$184.99
Intel Xeon E5-2670 v3 @ 2.30GHz	16494	96	23.64	\$697.73
Intel Xeon E5-2673 v2 @ 3.30GHz	16320	103	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2673 v3 @ 2.40GHz	16339	102	23.34	\$700.00*
Intel Xeon E5-2673 v4 @ 2.30GHz	21474	40	NA	NA
Intel Xeon E5-2675 v3 @ 1.80GHz	15073	133	NA	NA
Intel Xeon E5-2676 v3 @ 2.40GHz	17670	82	NA	NA
Intel Xeon E5-2678 v3 @ 2.50GHz	17296	85	NA	NA
Intel Xeon E5-2679 v4 @ 2.50GHz	25266	16	9.35	\$2,702.00*
Intel Xeon E5-2680 @ 2.70GHz	12555	204	126.12	\$99.55
Intel Xeon E5-2680 v2 @ 2.80GHz	15892	121	69.10	\$229.99
Intel Xeon E5-2680 v3 @ 2.50GHz	18550	72	28.76	\$644.98
Intel Xeon E5-2680 v4 @ 2.40GHz	19886	52	10.65	\$1,866.95*
Intel Xeon E5-2682 v4 @ 2.50GHz	20420	47	NA	NA
Intel Xeon E5-2683 v3 @ 2.00GHz	17379	84	8.76	\$1,984.99*
Intel Xeon E5-2683 v4 @ 2.10GHz	19047	67	9.02	\$2,111.02

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-2685 v3 @ 2.60GHz	15004	135	NA	NA
Intel Xeon E5-2686 v3 @ 2.00GHz	19255	64	NA	NA
Intel Xeon E5-2686 v4 @ 2.30GHz	19801	55	NA	NA
Intel Xeon E5-2687W @ 3.10GHz	14347	152	5.44	\$2,636.50
Intel Xeon E5-2687W v2 @ 3.40GHz	16477	97	7.83	\$2,104.90
Intel Xeon E5-2687W v3 @ 3.10GHz	17746	81	8.83	\$2,008.95
Intel Xeon E5-2687W v4 @ 3.00GHz	19855	54	9.13	\$2,174.99
Intel Xeon E5-2689 @ 2.60GHz	13526	180	NA	NA
Intel Xeon E5-2689 v4 @ 3.10GHz	19744	56	NA	NA
Intel Xeon E5-2690 @ 2.90GHz	13545	178	97.45	\$139.00
Intel Xeon E5-2690 v2 @ 3.00GHz	16441	98	40.20	\$409.00
Intel Xeon E5-2690 v3 @ 2.60GHz	19214	66	48.04	\$399.99
Intel Xeon E5-2690 v4 @ 2.60GHz	21326	42	9.83	\$2,169.99
Intel Xeon E5-2692 v2 @ 2.20GHz	16018	112	NA	NA
Intel Xeon E5-2695 v2 @ 2.40GHz	15993	113	39.10	\$409.00
Intel Xeon E5-2695 v3 @ 2.30GHz	19673	59	9.79	\$2,009.99*
Intel Xeon E5-2695 v4 @ 2.10GHz	20258	49	7.70	\$2,629.42*
Intel Xeon E5-2696 v2 @ 2.50GHz	16620	95	NA	NA
Intel Xeon E5-2696 v3 @ 2.30GHz	22480	27	9.00	\$2,498.00*
Intel Xeon E5-2696 v4 @ 2.20GHz	21226	43	7.05	\$3,009.95*
Intel Xeon E5-2697 v2 @ 2.70GHz	17217	88	37.43	\$460.00
Intel Xeon E5-2697 v3 @ 2.60GHz	21379	41	38.18	\$559.99
Intel Xeon E5-2697 v4 @ 2.30GHz	21506	39	7.75	\$2,775.99
Intel Xeon E5-2697A v4 @ 2.60GHz	22462	28	NA	NA
Intel Xeon E5-2698 v3 @ 2.30GHz	21081	44	6.16	\$3,424.02*
Intel Xeon E5-2698 v4 @ 2.20GHz	21836	35	6.02	\$3,629.59*
Intel Xeon E5-2699 v3 @ 2.30GHz	22375	29	4.97	\$4,505.95*
Intel Xeon E5-2699 v4 @ 2.20GHz	23200	25	3.90	\$5,954.79
Intel Xeon E5-4603 @ 2.00GHz	5014	821	2.65	\$1,890.99*
Intel Xeon E5-4607 v2 @ 2.60GHz	9234	372	NA	NA
Intel Xeon E5-4617 @ 2.90GHz	9029	394	100.44	\$89.90*
Intel Xeon E5-4620 @ 2.20GHz	8127	468	60.56	\$134.21
Intel Xeon E5-4627 v3 @ 2.60GHz	14489	146	6.04	\$2,400.00*
Intel Xeon E5-4627 v4 @ 2.60GHz	15516	125	6.97	\$2,225.00*
Intel Xeon E5-4640 @ 2.40GHz	10523	265	3.85	\$2,730.00*
Intel Xeon E5-4640 v3 @ 1.90GHz	12703	198	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5-4648 v3 @ 1.70GHz	11097	242	NA	NA
Intel Xeon E5-4650 @ 2.70GHz	11860	223	124.21	\$95.49*
Intel Xeon E5-4650L @ 2.60GHz	11821	224	1.36	\$8,684.50*
Intel Xeon E5-4655 v3 @ 2.90GHz	12292	210	2.66	\$4,616.00*
Intel Xeon E5-4657L v2 @ 2.40GHz	15896	120	5.30	\$3,000.00*
Intel Xeon E5-4660 v3 @ 2.10GHz	15849	123	3.30	\$4,800.00*
Intel Xeon E5-4669 v4 @ 2.20GHz	13626	175	NA	NA
Intel Xeon E7- 2830 @ 2.13GHz	3118	1251	1.75	\$1,779.00*
Intel Xeon E3110 @ 3.00GHz	2157	1592	93.86	\$22.99*
Intel Xeon E3113 @ 3.00GHz	2427	1485	247.99	\$9.79*
Intel Xeon E3120 @ 3.16GHz	2241	1563	NA	NA
Intel Xeon E5205 @ 1.86GHz	1401	1950	148.77	\$9.42*
Intel Xeon E5240 @ 3.00GHz	2424	1486	NA	NA
Intel Xeon E5310 @ 1.60GHz	2264	1553	46.22	\$49.00*
Intel Xeon E5320 @ 1.86GHz	2288	1537	59.05	\$38.75*
Intel Xeon E5335 @ 2.00GHz	2513	1456	141.45	\$17.77*
Intel Xeon E5345 @ 2.33GHz	2920	1316	73.02	\$39.99*
Intel Xeon E5405 @ 2.00GHz	2836	1344	48.08	\$59.00*
Intel Xeon E5410 @ 2.33GHz	3261	1197	15.61	\$208.95*
Intel Xeon E5420 @ 2.50GHz	3492	1138	13.44	\$259.95
Intel Xeon E5430 @ 2.66GHz	3769	1069	54.64	\$69.00*
Intel Xeon E5440 @ 2.83GHz	3972	1023	209.64	\$18.95*
Intel Xeon E5450 @ 3.00GHz	4189	980	77.58	\$54.00*
Intel Xeon E5462 @ 2.80GHz	3870	1043	141.78	\$27.30*
Intel Xeon E5472 @ 3.00GHz	4090	999	136.16	\$30.04*
Intel Xeon E5502 @ 1.87GHz	1378	1963	14.51	\$95.00*
Intel Xeon E5503 @ 2.00GHz	1396	1952	4.87	\$287.01*
Intel Xeon E5504 @ 2.00GHz	2686	1395	38.41	\$69.95*



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E5506 @ 2.13GHz	2975	1296	196.17	\$15.17*
Intel Xeon E5507 @ 2.27GHz	3125	1248	6.84	\$456.91*
Intel Xeon E5520 @ 2.27GHz	4435	934	98.59	\$44.99
Intel Xeon E5530 @ 2.40GHz	4564	905	217.44	\$20.99*
Intel Xeon E5540 @ 2.53GHz	4807	857	81.49	\$59.00*
Intel Xeon E5603 @ 1.60GHz	2366	1511	18.34	\$129.04*
Intel Xeon E5606 @ 2.13GHz	3054	1272	13.95	\$219.00*
Intel Xeon E5607 @ 2.27GHz	3380	1171	15.44	\$219.00*
Intel Xeon E5620 @ 2.40GHz	4802	861	78.40	\$61.26
Intel Xeon E5630 @ 2.53GHz	5083	799	149.75	\$33.95
Intel Xeon E5640 @ 2.67GHz	5256	774	88.36	\$59.49*
Intel Xeon E5645 @ 2.40GHz	6424	634	59.50	\$107.98*
Intel Xeon E5649 @ 2.53GHz	6936	585	60.31	\$115.00*
Intel Xeon E7320 @ 2.13GHz	2413	1488	NA	NA
Intel Xeon E-2104G @ 3.20GHz	7825	496	40.54	\$193.00*
Intel Xeon E-2124 @ 3.30GHz	9544	342	43.39	\$219.99
Intel Xeon E-2124G @ 3.40GHz	9857	314	41.08	\$239.99
Intel Xeon E-2126G @ 3.30GHz	14051	159	46.84	\$299.99*
Intel Xeon E-2134 @ 3.50GHz	11226	234	40.63	\$276.30
Intel Xeon E-2136 @ 3.30GHz	15908	118	49.03	\$324.46
Intel Xeon E-2144G @ 3.60GHz	11214	235	34.85	\$321.78
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon E-2146G @ 3.50GHz	15935	116	44.89	\$354.99*
Intel Xeon E-2174G @ 3.80GHz	12245	213	31.40	\$389.99
Intel Xeon E-2176G @ 3.70GHz	15489	126	42.79	\$362.00*
Intel Xeon E-2176M @ 2.70GHz	13747	170	30.55	\$450.00*
Intel Xeon E-2186G @ 3.80GHz	15962	115	30.41	\$524.99
Intel Xeon E-2186M @ 2.90GHz	14683	140	23.57	\$623.00*
Intel Xeon Gold 5118 @ 2.30GHz	16389	100	11.95	\$1,370.98*
Intel Xeon Gold 5120 @ 2.20GHz	16308	104	10.45	\$1,561.00*
Intel Xeon Gold 5120T @ 2.20GHz	18145	77	10.51	\$1,727.00*
Intel Xeon Gold 5122 @ 3.60GHz	11154	238	8.78	\$1,269.99
Intel Xeon Gold 6126 @ 2.60GHz	19711	58	9.60	\$2,052.99
Intel Xeon Gold 6128 @ 3.40GHz	14922	137	8.12	\$1,837.99*
Intel Xeon Gold 6130 @ 2.10GHz	19277	63	9.89	\$1,949.99
Intel Xeon Gold 6132 @ 2.60GHz	23907	21	10.65	\$2,244.49*
Intel Xeon Gold 6134 @ 3.20GHz	18083	78	7.94	\$2,279.00
Intel Xeon Gold 6136 @ 3.00GHz	21079	45	7.94	\$2,654.18
Intel Xeon Gold 6138 @ 2.00GHz	25416	14	9.48	\$2,679.99
Intel Xeon Gold 6140 @ 2.30GHz	23964	20	9.82	\$2,439.99
Intel Xeon Gold 6144 @ 3.50GHz	19654	60	6.72	\$2,925.00*
Intel Xeon Gold 6146 @ 3.20GHz	25142	17	6.65	\$3,782.88*
Intel Xeon Gold 6148 @ 2.40GHz	26660	9	8.25	\$3,230.50
Intel Xeon Gold 6152 @ 2.10GHz	23498	22	6.18	\$3,799.99
Intel Xeon Gold 6154 @ 3.00GHz	27722	7	7.22	\$3,839.78*
Intel Xeon L3110 @ 3.00GHz	2273	1549	NA	NA
Intel Xeon L3360 @ 2.83GHz	3764	1072	42.18	\$89.23*
Intel Xeon L3406 @ 2.27GHz	1338	1984	4.83	\$277.01*
Intel Xeon L3426 @ 1.87GHz	3837	1050	8.59	\$447.01*
Intel Xeon L5238 @ 2.66GHz	1823	1748	NA	NA
Intel Xeon L5240 @ 3.00GHz	2271	1550	72.33	\$31.40*
Intel Xeon L5310 @ 1.60GHz	2274	1545	20.22	\$112.50*
Intel Xeon L5320 @ 1.86GHz	2135	1597	30.52	\$69.99*
Intel Xeon L5335 @ 2.00GHz	2756	1376	146.68	\$18.79*
Intel Xeon L5408 @ 2.13GHz	3037	1280	NA	NA
Intel Xeon L5410 @ 2.33GHz	3370	1174	33.67	\$100.08*
Intel Xeon L5420 @ 2.50GHz	3505	1136	127.49	\$27.50*
Intel Xeon L5430 @ 2.66GHz	3723	1084	23.58	\$157.95*
Intel Xeon L5506 @ 2.13GHz	3715	1085	16.59	\$224.00*
Intel Xeon L5520 @ 2.27GHz	4387	944	339.56	\$12.92*
Intel Xeon L5530 @ 2.40GHz	4351	949	225.95	\$19.26*
Intel Xeon L5630 @ 2.13GHz	4369	946	67.22	\$65.00*
Intel Xeon L5638 @ 2.00GHz	5556	728	79.49	\$69.90*
Intel Xeon L5639 @ 2.13GHz	6835	592	NA	NA
Intel Xeon L5640 @ 2.27GHz	6340	646	211.55	\$29.97*



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon L7455 @ 2.13GHz	3836	1051	NA	NA
Intel Xeon MV 3.20GHz	683	2351	NA	NA
Intel Xeon Platinum 8124M @ 3.00GHz	26652	10	NA	NA
Intel Xeon Platinum 8168 @ 2.70GHz	29131	2	4.95	\$5,890.00*
Intel Xeon Platinum 8173M @ 2.00GHz	28860	3	NA	NA
Intel Xeon Platinum 8175M @ 2.50GHz	28103	5	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon Silver 4108 @ 1.80GHz	10664	260	23.70	\$449.99
Intel Xeon Silver 4109T @ 2.00GHz	10946	249	21.85	\$501.00*
Intel Xeon Silver 4110 @ 2.10GHz	11670	227	24.42	\$477.93
Intel Xeon Silver 4112 @ 2.60GHz	8611	433	16.80	\$512.70
Intel Xeon Silver 4114 @ 2.20GHz	14301	153	20.16	\$709.52
Intel Xeon Silver 4116 @ 2.10GHz	15417	127	14.85	\$1,038.04
Intel Xeon Silver 4123 @ 3.00GHz	15185	131	NA	NA
Intel Xeon W3503 @ 2.40GHz	1755	1772	108.25	\$16.22*
Intel Xeon W3505 @ 2.53GHz	1844	1734	NA	NA
Intel Xeon W3520 @ 2.67GHz	5057	808	175.91	\$28.75*
Intel Xeon W3530 @ 2.80GHz	5346	762	18.19	\$293.95*
Intel Xeon W3540 @ 2.93GHz	5472	738	274.73	\$19.92*
Intel Xeon W3550 @ 3.07GHz	5694	711	94.99	\$59.95*
Intel Xeon W3565 @ 3.20GHz	5939	683	84.91	\$69.95*
Intel Xeon W3570 @ 3.20GHz	6062	675	12.63	\$479.95*
Intel Xeon W3580 @ 3.33GHz	6366	644	29.68	\$214.50*
Intel Xeon W3670 @ 3.20GHz	8121	470	16.24	\$499.99*
Intel Xeon W3680 @ 3.33GHz	9026	395	11.88	\$759.95*
Intel Xeon W3690 @ 3.47GHz	9135	380	46.85	\$195.01*
Intel Xeon W5580 @ 3.20GHz	5836	698	54.53	\$107.03*
Intel Xeon W5590 @ 3.33GHz	6183	657	2.46	\$2,508.95
Intel Xeon W-2102 @ 2.90GHz	6953	583	29.49	\$235.83*
Intel Xeon W-2104 @ 3.20GHz	7439	535	29.17	\$255.00*
Intel Xeon W-2123 @ 3.60GHz	10709	256	31.92	\$335.57
Intel Xeon W-2125 @ 4.00GHz	12350	208	24.55	\$503.10*
Intel Xeon W-2133 @ 3.60GHz	14168	156	22.96	\$617.00*
Intel Xeon W-2135 @ 3.70GHz	16345	101	18.04	\$906.28
Intel Xeon W-2140B @ 3.20GHz	18610	70	NA	NA
Intel Xeon W-2145 @ 3.70GHz	19725	57	16.53	\$1,193.20
Intel Xeon W-2150B @ 3.00GHz	21543	37	NA	NA
Intel Xeon W-2155 @ 3.30GHz	21773	36	14.23	\$1,530.39*
Intel Xeon W-2175 @ 2.50GHz	24751	19	12.71	\$1,947.00*
Intel Xeon W-2195 @ 2.30GHz	24983	18	8.94	\$2,794.91*
Intel Xeon X3210 @ 2.13GHz	2739	1381	14.75	\$185.71*
Intel Xeon X3220 @ 2.40GHz	3090	1259	42.33	\$73.00*
Intel Xeon X3230 @ 2.66GHz	3398	1162	9.44	\$359.95*
Intel Xeon X3320 @ 2.50GHz	3309	1190	14.42	\$229.50*
Intel Xeon X3323 @ 2.50GHz	3167	1232	163.59	\$19.36*
Intel Xeon X3330 @ 2.66GHz	3379	1172	16.09	\$210.00*
Intel Xeon X3350 @ 2.66GHz	3820	1056	63.69	\$59.99*
Intel Xeon X3353 @ 2.66GHz	3853	1047	52.43	\$73.50*
Intel Xeon X3360 @ 2.83GHz	3942	1032	24.96	\$157.95*
Intel Xeon X3363 @ 2.83GHz	3988	1019	117.00	\$34.09*
Intel Xeon X3370 @ 3.00GHz	4293	964	11.70	\$367.02*
Intel Xeon X3380 @ 3.16GHz	4665	883	9.15	\$509.95*
Intel Xeon X3430 @ 2.40GHz	3351	1178	159.20	\$21.05*
Intel Xeon X3440 @ 2.53GHz	4538	915	20.17	\$225.00*
Intel Xeon X3450 @ 2.67GHz	4762	868	59.57	\$79.95*
Intel Xeon X3460 @ 2.80GHz	5014	820	14.05	\$357.00*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X3470 @ 2.93GHz	5114	793	46.40	\$110.23
Intel Xeon X3480 @ 3.07GHz	5657	718	NA	NA
Intel Xeon X5260 @ 3.33GHz	2455	1473	17.63	\$139.24*
Intel Xeon X5270 @ 3.50GHz	2553	1440	NA	NA
Intel Xeon X5272 @ 3.40GHz	2394	1498	17.10	\$140.00*
Intel Xeon X5355 @ 2.66GHz	3181	1226	77.61	\$41.00*
Intel Xeon X5365 @ 3.00GHz	3491	1139	35.09	\$99.50*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Intel Xeon X5450 @ 3.00GHz	4115	997	82.33	\$49.99*
Intel Xeon X5460 @ 3.16GHz	4328	956	94.11	\$45.99*
Intel Xeon X5470 @ 3.33GHz	4585	904	24.26	\$189.00*
Intel Xeon X5472 @ 3.00GHz	4014	1010	17.84	\$225.00*
Intel Xeon X5482 @ 3.20GHz	4529	917	45.30	\$99.99*
Intel Xeon X5492 @ 3.40GHz	4865	848	3.50	\$1,391.29*
Intel Xeon X5550 @ 2.67GHz	5387	755	17.67	\$304.85
Intel Xeon X5560 @ 2.80GHz	5399	753	112.98	\$47.79
Intel Xeon X5570 @ 2.93GHz	5679	713	63.81	\$89.00*
Intel Xeon X5647 @ 2.93GHz	5920	686	29.64	\$199.75*
Intel Xeon X5650 @ 2.67GHz	7376	546	341.04	\$21.63
Intel Xeon X5660 @ 2.80GHz	7577	524	222.88	\$34.00*
Intel Xeon X5667 @ 3.07GHz	6291	649	79.63	\$79.00*
Intel Xeon X5670 @ 2.93GHz	7856	493	170.51	\$46.08
Intel Xeon X5672 @ 3.20GHz	6397	639	1.49	\$4,280.00*
Intel Xeon X5675 @ 3.07GHz	8156	465	233.05	\$35.00
Intel Xeon X5677 @ 3.47GHz	6951	584	182.55	\$38.08*
Intel Xeon X5679 @ 3.20GHz	8845	413	NA	NA
Intel Xeon X5680 @ 3.33GHz	8400	446	112.00	\$75.00
Intel Xeon X5687 @ 3.60GHz	7076	572	141.67	\$49.95
Intel Xeon X5690 @ 3.47GHz	8883	409	44.64	\$199.00
Intel Xeon X5698 @ 4.40GHz	4272	965	NA	NA
Intel Xeon X6550 @ 2.00GHz	2977	1295	NA	NA
Mobile AMD Athlon 4	314	2654	3.62	\$86.99*
Mobile AMD Athlon 4 2400+	358	2609	NA	NA
Mobile AMD Athlon 64 2700+	398	2560	NA	NA
Mobile AMD Athlon 64 2800+	440	2511	NA	NA
Mobile AMD Athlon 64 3000+	450	2499	NA	NA
Mobile AMD Athlon 64 3200+	448	2503	NA	NA
Mobile AMD Athlon 64 3400+	511	2442	NA	NA
Mobile AMD Athlon 64 3700+	435	2521	NA	NA
Mobile AMD Athlon 64 4000+	576	2404	NA	NA
Mobile AMD Athlon 1400+	266	2729	NA	NA
Mobile AMD Athlon 2500+	370	2593	NA	NA
Mobile AMD Athlon MP-M 1800+	265	2730	NA	NA
Mobile AMD Athlon MP-M 2000+	378	2582	NA	NA
Mobile AMD Athlon MP-M 2400+	295	2684	NA	NA
Mobile AMD Athlon MP-M 2800+	496	2453	NA	NA
Mobile AMD Athlon XP	572	2408	45.81	\$12.49
Mobile AMD Athlon XP-M	512	2441	NA	NA
Mobile AMD Athlon XP-M 1400+	184	2811	NA	NA
Mobile AMD Athlon XP-M 1500+	261	2733	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 1600+	260	2735	NA	NA
Mobile AMD Athlon XP-M 1700+	323	2641	NA	NA
Mobile AMD Athlon XP-M 1800+	297	2679	NA	NA
Mobile AMD Athlon XP-M 1900+	342	2626	NA	NA
Mobile AMD Athlon XP-M 2000+	300	2672	NA	NA
Mobile AMD Athlon XP-M 2200+	364	2602	NA	NA
Mobile AMD Athlon XP-M 2400+	346	2621	NA	NA
Mobile AMD Athlon XP-M 2500+	346	2618	NA	NA
Mobile AMD Athlon XP-M 2600+	370	2592	NA	NA
Mobile AMD Athlon XP-M 2800+	365	2601	NA	NA
Mobile AMD Athlon XP-M 3000+	365	2600	NA	NA
Mobile AMD Athlon XP-M 3100+	440	2512	NA	NA
Mobile AMD Athlon XP-M 3200+	487	2459	NA	NA
Mobile AMD Athlon XP-M (LV)	508	2446	NA	NA
Mobile AMD Athlon XP-M (LV) 1500+	288	2691	NA	NA
Mobile AMD Athlon XP-M (LV) 1600+	296	2682	NA	NA
Mobile AMD Athlon XP-M (LV) 2000+	335	2632	NA	NA
Mobile AMD Athlon XP-M (LV) 2200+	373	2590	NA	NA
Mobile AMD Athlon XP-M (LV) 2800+	475	2475	NA	NA
Mobile AMD Athlon XP-M (LV) 3200+	505	2448	NA	NA
Mobile AMD Sempron 2100+	252	2744	NA	NA
Mobile AMD Sempron 2600+	394	2567	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile AMD Sempron 2800+	361	2606	NA	NA
Mobile AMD Sempron 3000+	389	2576	NA	NA
Mobile AMD Sempron 3100+	416	2534	NA	NA
Mobile AMD Sempron 3200+	354	2613	NA	NA
Mobile AMD Sempron 3300+	445	2505	NA	NA
Mobile AMD Sempron 3400+	441	2510	NA	NA
Mobile AMD Sempron 3500+	408	2544	NA	NA
Mobile AMD Sempron 3600+	427	2529	NA	NA
Mobile AMD Sempron 3800+	485	2464	NA	NA
Mobile Intel Celeron 1.20GHz	170	2822	NA	NA
Mobile Intel Celeron 1.50GHz	188	2806	NA	NA
Mobile Intel Celeron 1.60GHz	188	2807	NA	NA
Mobile Intel Celeron 1.70GHz	181	2815	NA	NA
Mobile Intel Celeron 1.80GHz	186	2809	NA	NA
Mobile Intel Celeron 2.00GHz	204	2791	NA	NA
Mobile Intel Celeron 2.20GHz	226	2771	NA	NA
Mobile Intel Celeron 2.40GHz	239	2760	NA	NA
Mobile Intel Celeron 2.50GHz	281	2709	NA	NA
Mobile Intel Celeron 1200MHz	294	2685	NA	NA
Mobile Intel Celeron 1333MHz	280	2712	NA	NA
Mobile Intel Pentium 4 2.30GHz	278	2717	6.38	\$43.56*
Mobile Intel Pentium 4 2.40GHz	264	2732	NA	NA
Mobile Intel Pentium 4 2.66GHz	279	2714	NA	NA
Mobile Intel Pentium 4 2.80GHz	315	2652	NA	NA
Mobile Intel Pentium 4 3.06GHz	337	2629	NA	NA
Mobile Intel Pentium 4 3.20GHz	356	2610	NA	NA
Mobile Intel Pentium 4 3.33GHz	439	2513	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
Mobile Intel Pentium 4 3.46GHz	478	2473	NA	NA
Mobile Intel Pentium 4 - M 1.60GHz	195	2801	NA	NA
Mobile Intel Pentium 4 - M 1.70GHz	173	2821	0.97	\$178.99
Mobile Intel Pentium 4 - M 1.80GHz	175	2818	NA	NA
Mobile Intel Pentium 4 - M 1.90GHz	232	2766	NA	NA
Mobile Intel Pentium 4 - M 2.00GHz	202	2796	NA	NA
Mobile Intel Pentium 4 - M 2.20GHz	198	2798	NA	NA
Mobile Intel Pentium 4 - M 2.40GHz	213	2782	NA	NA
Mobile Intel Pentium 4 - M 2.50GHz	256	2739	NA	NA
Mobile Intel Pentium 4 - M 2.60GHz	313	2656	NA	NA
Mobile Intel Pentium III - M 866MHz	211	2785	NA	NA
Mobile Intel Pentium III - M 933MHz	200	2797	NA	NA
Mobile Intel Pentium III - M 1000MHz	250	2748	NA	NA
Mobile Intel Pentium III - M 1133MHz	289	2689	NA	NA
Mobile Intel Pentium III - M 1200MHz	224	2772	NA	NA
Mobile Intel Pentium III - M 1333MHz	289	2690	NA	NA
Pentium Dual-Core E6000 @ 3.46GHz	2501	1460	NA	NA
Quad-Core AMD Opteron 1385	3442	1155	63.75	\$54.00*
Quad-Core AMD Opteron 1389	3446	1152	NA	NA
Six-Core AMD Opteron 2419 EE	2925	1315	NA	NA
VIA C3 Ezra	100	2850	NA	NA
VIA C7 1500MHz	284	2701	NA	NA
VIA C7-D 1500MHz	287	2697	NA	NA
VIA C7-D 1800MHz	203	2793	NA	NA
VIA C7-D 2000MHz	368	2596	NA	NA
VIA C7-M 1000MHz	164	2824	NA	NA
VIA C7-M 1200MHz	140	2837	NA	NA
VIA C7-M 1600MHz	178	2817	NA	NA
VIA C7-M 6300MHz	222	2774	NA	NA
VIA Eden 800MHz	155	2828	NA	NA
VIA Eden 1000MHz	123	2845	NA	NA
VIA Eden 1200MHz	142	2836	NA	NA
VIA Eden C1050@1.06GHz	352	2616	NA	NA
VIA Eden X2 U4200 @ 1.0+ GHz	480	2471	NA	NA
VIA Eden X4 C4250 @ 1.2+GHz	1147	2099	NA	NA
VIA Esther 1000MHz	146	2835	NA	NA
VIA Esther 1300MHz	250	2746	NA	NA

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
VIA Esther 1500MHz	219	2776	NA	NA
VIA Esther 2000MHz	394	2566	NA	NA
VIA Nano L1900@1400MHz	457	2493	NA	NA
VIA Nano L2007@1600MHz	369	2594	NA	NA
VIA Nano L2100@1800MHz	428	2527	NA	NA
VIA Nano L2207@1600MHz	296	2681	NA	NA
VIA Nano L3025@1600MHz	517	2438	NA	NA
VIA Nano L3050@1800MHz	581	2401	NA	NA
VIA Nano L3600@2000MHz	645	2367	NA	NA
VIA Nano U2250 (1.6GHz Capable)	377	2583	NA	NA
VIA Nano U2250@1300+MHz	274	2721	NA	NA
VIA Nano U2500@1200MHz	306	2663	NA	NA
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
VIA Nano U3100 (1.6GHz Capable)	501	2450	NA	NA
VIA Nano U3300@1200MHz	409	2542	NA	NA
VIA Nano U3500@1000MHz	275	2719	NA	NA
VIA Nano X2 U4025 @ 1.2 GHz	605	2386	NA	NA
VIA Nehemiah	155	2829	NA	NA
VIA QuadCore C4650@2.0GHz	1897	1707	NA	NA
VIA QuadCore L4700 @ 1.2+ GHz	1363	1968	NA	NA
VIA QuadCore U4650 @ 1.0+ GHz	1173	2080	NA	NA
VIA Samuel 2	79	2852	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	295	3.61	\$2,126.85*
[8-Way] Intel Xeon X7560 @ 2.27GHz	17658	126	100.33	\$176.00*
[Dual CPU] AMD Athlon 64 FX-72	3163	398	NA	NA
[Dual CPU] AMD Athlon 64 FX-74	2945	404	2.95	\$999.00*
[Dual CPU] AMD Athlon MP 2000+	604	449	NA	NA
[Dual CPU] AMD EPYC 7281	12720	180	9.22	\$1,379.74
[Dual CPU] AMD EPYC 7371	23933	65	NA	NA
[Dual CPU] AMD EPYC 7401	23518	67	6.19	\$3,801.66
[Dual CPU] AMD EPYC 7451	28957	34	5.77	\$5,022.16
[Dual CPU] AMD EPYC 7501	29003	33	4.14	\$6,997.44
[Dual CPU] AMD EPYC 7551	30966	23	4.35	\$7,119.12
[Dual CPU] AMD EPYC 7601	33545	16	3.89	\$8,625.02
[Dual CPU] AMD Opteron 246	1130	438	28.26	\$39.98*
[Dual CPU] AMD Opteron 248	1053	439	5.27	\$199.90
[Dual CPU] AMD Opteron 250	1438	435	65.36	\$22.00*
[Dual CPU] AMD Opteron 252	1418	436	11.19	\$126.72*
[Dual CPU] AMD Opteron 254	816	444	NA	NA
[Dual CPU] AMD Opteron 256	1853	432	48.76	\$38.00*
[Dual CPU] AMD Opteron 265	2010	430	13.77	\$146.00
[Dual CPU] AMD Opteron 270	2226	426	1.83	\$1,214.94*
[Dual CPU] AMD Opteron 275	2133	429	16.41	\$129.98
[Dual CPU] AMD Opteron 280	2452	421	1.54	\$1,593.34*
[Dual CPU] AMD Opteron 285	2772	411	NA	NA
[Dual CPU] AMD Opteron 290	2716	413	10.06	\$270.00*
[Dual CPU] AMD Opteron 885	2851	407	NA	NA
[Dual CPU] AMD Opteron 2212	2203	427	55.08	\$40.00*
[Dual CPU] AMD Opteron 2214	2344	422	40.41	\$58.00*
[Dual CPU] AMD Opteron 2214 HE	2463	419	NA	NA
[Dual CPU] AMD Opteron 2216	2485	418	50.10	\$49.60
[Dual CPU] AMD Opteron 2216 HE	2593	415	NA	NA
[Dual CPU] AMD Opteron 2218	2719	412	41.93	\$64.84*
[Dual CPU] AMD Opteron 2218 HE	2514	416	NA	NA
[Dual CPU] AMD Opteron 2220	2854	406	0.97	\$2,950.32*
[Dual CPU] AMD Opteron 2220 SE	2882	405	57.64	\$50.00*
[Dual CPU] AMD Opteron 2222	2998	402	0.90	\$3,329.96*
[Dual CPU] AMD Opteron 2222 SE	3257	396	45.30	\$71.90
[Dual CPU] AMD Opteron 2346 HE	4095	386	NA	NA
[Dual CPU] AMD Opteron 2347 HE	3470	393	7.36	\$471.66*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 2350	4078	387	7.55	\$539.98*
[Dual CPU] AMD Opteron 2354	4554	375	6.86	\$664.06*
[Dual CPU] AMD Opteron 2356	4441	378	12.22	\$363.30*
[Dual CPU] AMD Opteron 2360 SE	5315	357	75.93	\$70.00
[Dual CPU] AMD Opteron 2373 EE	4164	384	NA	NA
[Dual CPU] AMD Opteron 2374 HE	4799	371	12.63	\$379.98*
[Dual CPU] AMD Opteron 2376	5238	358	15.70	\$333.62*
[Dual CPU] AMD Opteron 2378	5318	356	14.85	\$358.00*
[Dual CPU] AMD Opteron 2380	5754	344	63.93	\$90.00
[Dual CPU] AMD Opteron 2384	5914	340	3.52	\$1,680.00*
[Dual CPU] AMD Opteron 2387	6239	330	NA	NA
[Dual CPU] AMD Opteron 2389	5677	345	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	360	216.47	\$23.98*
[Dual CPU] AMD Opteron 2425 HE	6209	332	NA	NA
[Dual CPU] AMD Opteron 2427	5907	341	29.83	\$198.00
[Dual CPU] AMD Opteron 2431	6438	324	80.48	\$80.00
[Dual CPU] AMD Opteron 2435	7068	310	18.70	\$378.00
[Dual CPU] AMD Opteron 2439 SE	8071	280	44.84	\$179.98*
[Dual CPU] AMD Opteron 4122	4076	388	16.31	\$249.98*
[Dual CPU] AMD Opteron 4130	5651	347	9.15	\$617.90*
[Dual CPU] AMD Opteron 4170 HE	6344	327	53.76	\$118.00*
[Dual CPU] AMD Opteron 4180	6367	325	7.77	\$819.90
[Dual CPU] AMD Opteron 4184	7813	289	7.51	\$1,039.90*
[Dual CPU] AMD Opteron 4226	8088	279	80.90	\$99.98*
[Dual CPU] AMD Opteron 4228 HE	7986	283	NA	NA
[Dual CPU] AMD Opteron 4234	9361	248	20.35	\$459.98*
[Dual CPU] AMD Opteron 4276 HE	9681	241	NA	NA
[Dual CPU] AMD Opteron 4280	4525	376	45.25	\$100.00
[Dual CPU] AMD Opteron 4284	9151	249	76.27	\$119.98*
[Dual CPU] AMD Opteron 4334	9456	247	21.85	\$432.84*
[Dual CPU] AMD Opteron 4340	10419	220	21.71	\$479.98*
[Dual CPU] AMD Opteron 4376 HE	10244	228	8.15	\$1,257.44*
[Dual CPU] AMD Opteron 4386	11360	206	40.57	\$279.98*
[Dual CPU] AMD Opteron 6128	6762	317	169.13	\$39.98
[Dual CPU] AMD Opteron 6128 HE	5582	350	NA	NA
[Dual CPU] AMD Opteron 6132 HE	8657	264	NA	NA
[Dual CPU] AMD Opteron 6134	7586	297	86.22	\$87.98
[Dual CPU] AMD Opteron 6136	7255	304	32.98	\$220.00*
[Dual CPU] AMD Opteron 6164 HE	5109	363	NA	NA
[Dual CPU] AMD Opteron 6168	7741	292	40.68	\$190.28*
[Dual CPU] AMD Opteron 6172	7621	296	19.24	\$396.00
[Dual CPU] AMD Opteron 6174	8056	282	40.69	\$198.00
[Dual CPU] AMD Opteron 6176 SE	8448	269	26.57	\$318.00*
[Dual CPU] AMD Opteron 6180 SE	3114	399	NA	NA
[Dual CPU] AMD Opteron 6204	7134	307	50.96	\$139.98*
[Dual CPU] AMD Opteron 6212	8960	255	149.38	\$59.98*
[Dual CPU] AMD Opteron 6220	10740	215	89.51	\$119.98*
[Dual CPU] AMD Opteron 6234	10079	231	168.26	\$59.90*
[Dual CPU] AMD Opteron 6238	10349	222	86.26	\$119.98*
[Dual CPU] AMD Opteron 6272	10008	236	7.59	\$1,317.78
[Dual CPU] AMD Opteron 6274	10536	218	114.55	\$91.98
[Dual CPU] AMD Opteron 6275	10900	214	NA	NA
[Dual CPU] AMD Opteron 6276	10194	230	30.16	\$338.00
[Dual CPU] AMD Opteron 6284 SE	11985	194	17.12	\$699.98*
[Dual CPU] AMD Opteron 6308	8351	270	8.24	\$1,013.68*
[Dual CPU] AMD Opteron 6320	10716	216	20.69	\$518.02
[Dual CPU] AMD Opteron 6328	11842	198	16.49	\$718.00
[Dual CPU] AMD Opteron 6344	11203	209	14.40	\$778.00
[Dual CPU] AMD Opteron 6348	11412	203	28.53	\$399.98*
[Dual CPU] AMD Opteron 6376	10405	221	80.04	\$130.00
[Dual CPU] AMD Opteron 6378	9145	250	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	163	73.20	\$193.98

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] AMD Opteron 6386 SE	12195	190	40.65	\$299.98*
[Dual CPU] AMD Opteron 8218	2831	408	61.54	\$46.00
[Dual CPU] AMD Opteron 8220	2510	417	50.22	\$49.98
[Dual CPU] AMD Opteron 8222 SE	2793	410	0.45	\$6,180.64*
[Dual CPU] AMD Opteron 8354	3223	397	67.15	\$48.00
[Dual CPU] AMD Opteron 8380	5643	348	13.70	\$412.02*
[Dual CPU] AMD Opteron 8381 HE	5210	359	NA	NA
[Dual CPU] AMD Opteron 8389	6517	321	41.25	\$158.00
[Dual CPU] AMD Opteron 8431	5813	342	207.76	\$27.98*
[Dual CPU] AMD Opteron 8435	6739	318	46.80	\$144.00
[Dual CPU] AMD Opteron 8439 SE	7691	294	51.27	\$150.00*
[Dual CPU] C-QuadCore C4700@2.0GHz	1163	437	NA	NA
[Dual CPU] Dual-Core AMD Opteron 2212 HE	2302	424	NA	NA
[Dual CPU] Dual-Core AMD Opteron 8224 SE	3532	392	NA	NA
[Dual CPU] Intel Core2 Extreme X9775 @ 3.20GHz	7908	285	2.19	\$3,611.90*
[Dual CPU] Intel Pentium III 1133 @ 1133MHz	450	458	NA	NA
[Dual CPU] Intel Pentium III 1266S @ 1266MHz	465	456	NA	NA
[Dual CPU] Intel Pentium III 1400 @ 1400MHz	540	453	NA	NA
[Dual CPU] Intel Pentium III 1400S @ 1400MHz	541	452	NA	NA
[Dual CPU] Intel XEON 1.80GHz	362	459	NA	NA
[Dual CPU] Intel Xeon 2.00GHz	339	460	NA	NA
[Dual CPU] Intel XEON 2.20GHz	453	457	NA	NA
[Dual CPU] Intel Xeon 2.40GHz	473	455	25.99	\$18.20*
[Dual CPU] Intel Xeon 2.66GHz	601	450	NA	NA
[Dual CPU] Intel Xeon 2.80GHz	683	446	NA	NA
[Dual CPU] Intel Xeon 3.00GHz	771	445	NA	NA
[Dual CPU] Intel Xeon 3.06GHz	604	448	NA	NA
[Dual CPU] Intel Xeon 3.20GHz	852	443	NA	NA
[Dual CPU] Intel Xeon 3.40GHz	889	442	NA	NA
[Dual CPU] Intel Xeon 3.60GHz	930	441	0.55	\$1,702.00*
[Dual CPU] Intel Xeon 3.73GHz	1859	431	NA	NA
[Dual CPU] Intel Xeon 3.80GHz	993	440	0.58	\$1,702.00*
[Dual CPU] Intel Xeon 5110 @ 1.60GHz	2152	428	6.73	\$319.90*
[Dual CPU] Intel Xeon 5120 @ 1.86GHz	2310	423	0.71	\$3,239.98
[Dual CPU] Intel Xeon 5130 @ 2.00GHz	2619	414	41.62	\$62.92*
[Dual CPU] Intel Xeon 5138 @ 2.13GHz	3017	400	NA	NA
[Dual CPU] Intel Xeon 5140 @ 2.33GHz	2978	403	31.69	\$93.98*
[Dual CPU] Intel Xeon 5148 @ 2.33GHz	2999	401	114.20	\$26.26*
[Dual CPU] Intel Xeon 5150 @ 2.66GHz	3426	394	16.47	\$207.98*
[Dual CPU] Intel Xeon 5160 @ 3.00GHz	3829	390	56.39	\$67.90
[Dual CPU] Intel Xeon Bronze 3104 @ 1.70GHz	8809	260	19.58	\$449.98
[Dual CPU] Intel Xeon Bronze 3106 @ 1.70GHz	11024	212	16.70	\$659.98
[Dual CPU] Intel Xeon E5-2403 @ 1.80GHz	6204	333	9.12	\$679.94*
[Dual CPU] Intel Xeon E5-2403 v2 @ 1.80GHz	6304	329	16.68	\$378.00*
[Dual CPU] Intel Xeon E5-2407 @ 2.20GHz	7303	303	10.90	\$670.08
[Dual CPU] Intel Xeon E5-2407 v2 @ 2.40GHz	9018	253	9.47	\$952.62*
[Dual CPU] Intel Xeon E5-2420 @ 1.90GHz	11387	205	273.86	\$41.58*
[Dual CPU] Intel Xeon E5-2420 v2 @ 2.20GHz	11910	197	135.34	\$88.00
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2428L @ 1.80GHz	8321	273	NA	NA
[Dual CPU] Intel Xeon E5-2430 @ 2.20GHz	13637	169	170.46	\$80.00*
[Dual CPU] Intel Xeon E5-2430 v2 @ 2.50GHz	13763	166	12.29	\$1,119.98
[Dual CPU] Intel Xeon E5-2430L @ 2.00GHz	11390	204	54.76	\$207.98*
[Dual CPU] Intel Xeon E5-2430L v2 @ 2.40GHz	12354	185	NA	NA
[Dual CPU] Intel Xeon E5-2440 v2 @ 1.90GHz	12854	179	12.60	\$1,019.90*
[Dual CPU] Intel Xeon E5-2450 @ 2.10GHz	15063	153	20.41	\$738.00
[Dual CPU] Intel Xeon E5-2450 v2 @ 2.50GHz	16556	136	20.24	\$818.00*
[Dual CPU] Intel Xeon E5-2450L @ 1.80GHz	11715	200	73.23	\$159.98*
[Dual CPU] Intel Xeon E5-2470 @ 2.30GHz	16613	135	26.23	\$633.44*
[Dual CPU] Intel Xeon E5-2470 v2 @ 2.40GHz	18572	120	54.38	\$341.50
[Dual CPU] Intel Xeon E5-2603 @ 1.80GHz	6340	328	127.05	\$49.90
[Dual CPU] Intel Xeon E5-2603 v2 @ 1.80GHz	6520	320	110.06	\$59.24*
[Dual CPU] Intel Xeon E5-2603 v3 @ 1.60GHz	8347	271	13.47	\$619.90
[Dual CPU] Intel Xeon E5-2603 v4 @ 1.70GHz	8910	259	19.37	\$459.98



CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2609 @ 2.40GHz	8195	277	76.56	\$107.04
[Dual CPU] Intel Xeon E5-2609 v2 @ 2.50GHz	8987	254	166.43	\$54.00
[Dual CPU] Intel Xeon E5-2609 v3 @ 1.90GHz	10029	235	12.57	\$798.00*
[Dual CPU] Intel Xeon E5-2609 v4 @ 1.70GHz	10993	213	17.18	\$639.98
[Dual CPU] Intel Xeon E5-2620 @ 2.00GHz	12332	186	61.30	\$201.18
[Dual CPU] Intel Xeon E5-2620 v2 @ 2.10GHz	13363	176	192.83	\$69.30
[Dual CPU] Intel Xeon E5-2620 v3 @ 2.40GHz	15206	151	24.61	\$618.00
[Dual CPU] Intel Xeon E5-2620 v4 @ 2.10GHz	16458	137	20.07	\$819.98
[Dual CPU] Intel Xeon E5-2623 v3 @ 3.00GHz	14313	162	17.67	\$809.98*
[Dual CPU] Intel Xeon E5-2623 v4 @ 2.60GHz	12480	183	11.37	\$1,098.00*
[Dual CPU] Intel Xeon E5-2628L v2 @ 1.90GHz	14589	157	NA	NA
[Dual CPU] Intel Xeon E5-2630 @ 2.30GHz	13595	174	188.82	\$72.00
[Dual CPU] Intel Xeon E5-2630 v2 @ 2.60GHz	15993	143	137.33	\$116.46
[Dual CPU] Intel Xeon E5-2630 v3 @ 2.40GHz	18485	121	29.91	\$618.00
[Dual CPU] Intel Xeon E5-2630 v4 @ 2.20GHz	18725	118	14.68	\$1,275.96
[Dual CPU] Intel Xeon E5-2630L @ 2.00GHz	11068	210	NA	NA
[Dual CPU] Intel Xeon E5-2630L v2 @ 2.40GHz	13706	167	NA	NA
[Dual CPU] Intel Xeon E5-2630L v3 @ 1.80GHz	15183	152	10.10	\$1,503.84*
[Dual CPU] Intel Xeon E5-2637 @ 3.00GHz	7416	301	4.19	\$1,770.00*
[Dual CPU] Intel Xeon E5-2637 v2 @ 3.50GHz	15900	146	30.72	\$517.54*
[Dual CPU] Intel Xeon E5-2637 v3 @ 3.50GHz	16408	139	6.33	\$2,591.90*
[Dual CPU] Intel Xeon E5-2637 v4 @ 3.50GHz	16704	134	7.70	\$2,169.10
[Dual CPU] Intel Xeon E5-2640 @ 2.50GHz	14657	156	69.14	\$211.98
[Dual CPU] Intel Xeon E5-2640 v2 @ 2.00GHz	14464	159	22.74	\$635.98
[Dual CPU] Intel Xeon E5-2640 v3 @ 2.60GHz	19864	109	32.78	\$606.00
[Dual CPU] Intel Xeon E5-2640 v4 @ 2.40GHz	20786	101	10.62	\$1,957.98
[Dual CPU] Intel Xeon E5-2643 @ 3.30GHz	13671	168	3.07	\$4,452.00*
[Dual CPU] Intel Xeon E5-2643 v2 @ 3.50GHz	20793	100	94.51	\$220.00
[Dual CPU] Intel Xeon E5-2643 v3 @ 3.40GHz	21016	94	12.37	\$1,698.38
[Dual CPU] Intel Xeon E5-2643 v4 @ 3.40GHz	21534	87	6.48	\$3,321.22
[Dual CPU] Intel Xeon E5-2648L @ 1.80GHz	12250	189	NA	NA
[Dual CPU] Intel Xeon E5-2648L v2 @ 1.90GHz	14156	164	4.79	\$2,958.00*
[Dual CPU] Intel Xeon E5-2648L v3 @ 1.80GHz	18089	124	5.79	\$3,121.72*
[Dual CPU] Intel Xeon E5-2650 @ 2.00GHz	14948	154	74.46	\$200.76
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	19046	116	122.26	\$155.78
[Dual CPU] Intel Xeon E5-2650 v3 @ 2.30GHz	20262	104	23.29	\$870.00
[Dual CPU] Intel Xeon E5-2650 v4 @ 2.20GHz	20576	103	8.57	\$2,399.98
[Dual CPU] Intel Xeon E5-2650L @ 1.80GHz	14385	160	91.04	\$158.00*
[Dual CPU] Intel Xeon E5-2650L v2 @ 1.70GHz	14506	158	48.67	\$298.04*
[Dual CPU] Intel Xeon E5-2650L v4 @ 1.70GHz	20924	95	6.99	\$2,992.00*
[Dual CPU] Intel Xeon E5-2658 @ 2.10GHz	13634	170	4.66	\$2,924.00*
[Dual CPU] Intel Xeon E5-2658 v2 @ 2.40GHz	18822	117	NA	NA
[Dual CPU] Intel Xeon E5-2658 v4 @ 2.30GHz	19391	112	NA	NA
[Dual CPU] Intel Xeon E5-2660 @ 2.20GHz	16327	140	80.96	\$201.66
[Dual CPU] Intel Xeon E5-2660 v2 @ 2.20GHz	17809	125	47.11	\$378.00
[Dual CPU] Intel Xeon E5-2660 v3 @ 2.60GHz	22577	79	22.18	\$1,018.00
[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	76	NA	NA
[Dual CPU] Intel Xeon E5-2665 @ 2.40GHz	17131	130	80.06	\$213.98
[Dual CPU] Intel Xeon E5-2666 v3 @ 2.90GHz	24877	56	NA	NA
[Dual CPU] Intel Xeon E5-2667 @ 2.90GHz	16940	131	132.59	\$127.76
[Dual CPU] Intel Xeon E5-2667 v2 @ 3.30GHz	22550	80	56.38	\$399.98
[Dual CPU] Intel Xeon E5-2667 v3 @ 3.20GHz	22667	78	13.25	\$1,710.60
[Dual CPU] Intel Xeon E5-2667 v4 @ 3.20GHz	23624	66	5.16	\$4,575.98*
[Dual CPU] Intel Xeon E5-2670 @ 2.60GHz	18173	123	37.56	\$483.88
[Dual CPU] Intel Xeon E5-2670 v2 @ 2.50GHz	20858	99	56.38	\$369.98
[Dual CPU] Intel Xeon E5-2670 v3 @ 2.30GHz	22371	83	16.03	\$1,395.46
[Dual CPU] Intel Xeon E5-2673 v2 @ 3.30GHz	23393	70	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	29	NA	NA
[Dual CPU] Intel Xeon E5-2675 v3 @ 1.80GHz	19952	107	NA	NA
[Dual CPU] Intel Xeon E5-2678 v3 @ 2.50GHz	21498	88	NA	NA
[Dual CPU] Intel Xeon E5-2679 v4 @ 2.50GHz	29934	27	5.54	\$5,404.00*
[Dual CPU] Intel Xeon E5-2680 @ 2.70GHz	18186	122	91.34	\$199.10

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5-2680 v2 @ 2.80GHz	21464	89	46.66	\$459.98
[Dual CPU] Intel Xeon E5-2680 v3 @ 2.50GHz	24464	61	18.96	\$1,289.96
[Dual CPU] Intel Xeon E5-2680 v4 @ 2.40GHz	23368	71	6.26	\$3,733.90*
[Dual CPU] Intel Xeon E5-2682 v4 @ 2.50GHz	16920	132	NA	NA
[Dual CPU] Intel Xeon E5-2683 v3 @ 2.00GHz	21159	92	5.33	\$3,969.98*
[Dual CPU] Intel Xeon E5-2683 v4 @ 2.10GHz	24989	55	5.92	\$4,222.04
[Dual CPU] Intel Xeon E5-2685 v3 @ 2.60GHz	22049	84	NA	NA
[Dual CPU] Intel Xeon E5-2686 v3 @ 2.00GHz	26790	46	NA	NA
[Dual CPU] Intel Xeon E5-2686 v4 @ 2.30GHz	28784	36	NA	NA
[Dual CPU] Intel Xeon E5-2687W @ 3.10GHz	20889	96	3.96	\$5,273.00
[Dual CPU] Intel Xeon E5-2687W v2 @ 3.40GHz	23305	73	5.54	\$4,209.80
[Dual CPU] Intel Xeon E5-2687W v3 @ 3.10GHz	24146	63	6.01	\$4,017.90
[Dual CPU] Intel Xeon E5-2687W v4 @ 3.00GHz	26668	47	6.13	\$4,349.98
[Dual CPU] Intel Xeon E5-2689 @ 2.60GHz	19917	108	NA	NA
[Dual CPU] Intel Xeon E5-2689 v4 @ 3.10GHz	26185	51	NA	NA
[Dual CPU] Intel Xeon E5-2690 @ 2.90GHz	19328	114	69.53	\$278.00
[Dual CPU] Intel Xeon E5-2690 v2 @ 3.00GHz	23507	68	28.74	\$818.00
[Dual CPU] Intel Xeon E5-2690 v3 @ 2.60GHz	25396	53	31.75	\$799.98
[Dual CPU] Intel Xeon E5-2690 v4 @ 2.60GHz	27291	45	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	98	25.50	\$818.00
[Dual CPU] Intel Xeon E5-2695 v3 @ 2.30GHz	24852	57	6.18	\$4,019.98*
[Dual CPU] Intel Xeon E5-2695 v4 @ 2.10GHz	24651	60	4.69	\$5,258.84*
[Dual CPU] Intel Xeon E5-2696 v2 @ 2.50GHz	23483	69	NA	NA
[Dual CPU] Intel Xeon E5-2696 v3 @ 2.30GHz	30313	26	6.07	\$4,996.00*
[Dual CPU] Intel Xeon E5-2696 v4 @ 2.20GHz	31807	21	5.28	\$6,019.90*
[Dual CPU] Intel Xeon E5-2697 v2 @ 2.70GHz	23323	72	25.35	\$920.00
[Dual CPU] Intel Xeon E5-2697 v3 @ 2.60GHz	27561	41	24.61	\$1,119.98
[Dual CPU] Intel Xeon E5-2697 v4 @ 2.30GHz	30631	25	5.52	\$5,551.98
[Dual CPU] Intel Xeon E5-2697A v4 @ 2.60GHz	28161	38	NA	NA
[Dual CPU] Intel Xeon E5-2698 v3 @ 2.30GHz	29093	32	4.25	\$6,848.04*
[Dual CPU] Intel Xeon E5-2698 v4 @ 2.20GHz	32235	19	4.44	\$7,259.18*
[Dual CPU] Intel Xeon E5-2698A v3 @ 2.80GHz	24133	64	NA	NA
[Dual CPU] Intel Xeon E5-2699 v3 @ 2.30GHz	26333	48	2.92	\$9,011.90*
[Dual CPU] Intel Xeon E5-2699 v4 @ 2.20GHz	34013	14	2.86	\$11,909.58
[Dual CPU] Intel Xeon E5-2699C v4 @ 2.20GHz	20653	102	NA	NA
[Dual CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	19491	111	NA	NA
[Dual CPU] Intel Xeon E5-4640 @ 2.40GHz	15897	147	2.91	\$5,460.00*
[Dual CPU] Intel Xeon E5-4640 v2 @ 2.20GHz	19209	115	NA	NA
[Dual CPU] Intel Xeon E5-4640 v4 @ 2.10GHz	19583	110	NA	NA
[Dual CPU] Intel Xeon E5-4650 @ 2.70GHz	18712	119	97.98	\$190.98*
[Dual CPU] Intel Xeon E5-4650 v3 @ 2.10GHz	14876	155	1.94	\$7,676.00*
[Dual CPU] Intel Xeon E5-4650L @ 2.60GHz	10679	217	0.61	\$17,369.00*
[Dual CPU] Intel Xeon E5-4660 v3 @ 2.10GHz	22461	81	2.34	\$9,600.00*
[Dual CPU] Intel Xeon E5-4669 v3 @ 2.10GHz	27457	43	2.54	\$10,800.00*
[Dual CPU] Intel Xeon E7-2850 @ 2.00GHz	12145	191	44.98	\$270.00*
[Dual CPU] Intel Xeon E7-4820 v3 @ 1.90GHz	15686	149	NA	NA
[Dual CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	22412	82	1.81	\$12,400.00*
[Dual CPU] Intel Xeon E7- 2870 @ 2.40GHz	12016	193	1.42	\$8,454.00*
[Dual CPU] Intel Xeon E7- 4870 @ 2.40GHz	16047	141	42.45	\$378.00*
[Dual CPU] Intel Xeon E7- 8837 @ 2.67GHz	10044	234	25.11	\$399.98*
[Dual CPU] Intel Xeon E5205 @ 1.86GHz	2279	425	120.97	\$18.84*
[Dual CPU] Intel Xeon E5240 @ 3.00GHz	4038	389	NA	NA
[Dual CPU] Intel Xeon E5310 @ 1.60GHz	3566	391	36.39	\$98.00*
[Dual CPU] Intel Xeon E5320 @ 1.86GHz	4166	383	53.75	\$77.50*
[Dual CPU] Intel Xeon E5330 @ 2.13GHz	4944	366	NA	NA
[Dual CPU] Intel Xeon E5335 @ 2.00GHz	4563	374	128.39	\$35.54*
[Dual CPU] Intel Xeon E5345 @ 2.33GHz	5122	362	64.04	\$79.98*
[Dual CPU] Intel Xeon E5405 @ 2.00GHz	5154	361	43.68	\$118.00*
[Dual CPU] Intel Xeon E5410 @ 2.33GHz	6010	337	14.38	\$417.90*
[Dual CPU] Intel Xeon E5420 @ 2.50GHz	6350	326	12.21	\$519.90
[Dual CPU] Intel Xeon E5430 @ 2.66GHz	6846	316	49.61	\$138.00*
[Dual CPU] Intel Xeon E5440 @ 2.83GHz	7139	306	188.36	\$37.90*
[Dual CPU] Intel Xeon E5450 @ 3.00GHz	7513	298	69.56	\$108.00*
[Dual CPU] Intel Xeon E5462 @ 2.80GHz	7103	308	130.09	\$54.60*

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5472 @ 3.00GHz	7816	288	130.09	\$60.08*
[Dual CPU] Intel Xeon E5502 @ 1.87GHz	2456	420	12.93	\$190.00*
[Dual CPU] Intel Xeon E5503 @ 2.00GHz	2801	409	4.88	\$574.02*
[Dual CPU] Intel Xeon E5504 @ 2.00GHz	4878	370	34.87	\$139.90*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon E5506 @ 2.13GHz	4999	365	164.77	\$30.34*
[Dual CPU] Intel Xeon E5507 @ 2.27GHz	5410	353	5.92	\$913.82*
[Dual CPU] Intel Xeon E5520 @ 2.27GHz	7425	300	82.52	\$89.98
[Dual CPU] Intel Xeon E5530 @ 2.40GHz	7704	293	183.52	\$41.98*
[Dual CPU] Intel Xeon E5540 @ 2.53GHz	7848	286	66.51	\$118.00*
[Dual CPU] Intel Xeon E5603 @ 1.60GHz	4139	385	16.04	\$258.08*
[Dual CPU] Intel Xeon E5606 @ 2.13GHz	5507	351	12.57	\$438.00*
[Dual CPU] Intel Xeon E5607 @ 2.27GHz	5969	339	13.63	\$438.00*
[Dual CPU] Intel Xeon E5620 @ 2.40GHz	8061	281	65.79	\$122.52
[Dual CPU] Intel Xeon E5630 @ 2.53GHz	8293	274	122.14	\$67.90
[Dual CPU] Intel Xeon E5640 @ 2.67GHz	8694	262	73.07	\$118.98*
[Dual CPU] Intel Xeon E5645 @ 2.40GHz	10321	225	47.79	\$215.96*
[Dual CPU] Intel Xeon E5649 @ 2.53GHz	10327	224	44.90	\$230.00*
[Dual CPU] Intel Xeon E7340 @ 2.40GHz	5444	352	87.81	\$62.00*
[Dual CPU] Intel Xeon E7440 @ 2.40GHz	5376	355	29.87	\$179.98*
[Dual CPU] Intel Xeon Gold 5115 @ 2.40GHz	22011	86	8.41	\$2,618.10*
[Dual CPU] Intel Xeon Gold 5117 @ 2.00GHz	24299	62	NA	NA
[Dual CPU] Intel Xeon Gold 5117M @ 2.00GHz	21250	91	NA	NA
[Dual CPU] Intel Xeon Gold 5118 @ 2.30GHz	22049	85	8.04	\$2,741.96*
[Dual CPU] Intel Xeon Gold 5120 @ 2.20GHz	26277	49	8.42	\$3,122.00*
[Dual CPU] Intel Xeon Gold 5122 @ 3.60GHz	17502	127	6.89	\$2,539.98
[Dual CPU] Intel Xeon Gold 5218T @ 2.10GHz	27355	44	10.14	\$2,698.00*
[Dual CPU] Intel Xeon Gold 6126 @ 2.60GHz	27819	40	6.78	\$4,105.98
[Dual CPU] Intel Xeon Gold 6128 @ 3.40GHz	22869	77	6.22	\$3,675.98*
[Dual CPU] Intel Xeon Gold 6130 @ 2.10GHz	24660	59	6.32	\$3,899.98
[Dual CPU] Intel Xeon Gold 6132 @ 2.60GHz	27522	42	6.13	\$4,488.98*
[Dual CPU] Intel Xeon Gold 6134 @ 3.20GHz	25308	54	5.55	\$4,558.00
[Dual CPU] Intel Xeon Gold 6136 @ 3.00GHz	29543	30	5.57	\$5,308.36
[Dual CPU] Intel Xeon Gold 6137 @ 3.90GHz	27932	39	NA	NA
[Dual CPU] Intel Xeon Gold 6138 @ 2.00GHz	33989	15	6.34	\$5,359.98
[Dual CPU] Intel Xeon Gold 6140 @ 2.30GHz	32589	18	6.68	\$4,879.98
[Dual CPU] Intel Xeon Gold 6142 @ 2.60GHz	28848	35	4.70	\$6,139.98
[Dual CPU] Intel Xeon Gold 6144 @ 3.50GHz	28594	37	4.89	\$5,850.00*
[Dual CPU] Intel Xeon Gold 6146 @ 3.20GHz	29885	28	3.95	\$7,565.76*
[Dual CPU] Intel Xeon Gold 6148 @ 2.40GHz	36813	7	5.70	\$6,461.00
[Dual CPU] Intel Xeon Gold 6150 @ 2.70GHz	31175	22	NA	NA
[Dual CPU] Intel Xeon Gold 6152 @ 2.10GHz	33530	17	4.41	\$7,599.98
[Dual CPU] Intel Xeon Gold 6154 @ 3.00GHz	36932	6	4.81	\$7,679.56*
[Dual CPU] Intel Xeon L5240 @ 3.00GHz	4469	377	71.16	\$62.80*
[Dual CPU] Intel Xeon L5320 @ 1.86GHz	4286	381	30.62	\$139.98*
[Dual CPU] Intel Xeon L5335 @ 2.00GHz	4891	368	130.15	\$37.58*
[Dual CPU] Intel Xeon L5408 @ 2.13GHz	5624	349	NA	NA
[Dual CPU] Intel Xeon L5410 @ 2.33GHz	6120	334	30.58	\$200.16*
[Dual CPU] Intel Xeon L5420 @ 2.50GHz	6468	323	117.60	\$55.00*
[Dual CPU] Intel Xeon L5430 @ 2.66GHz	6072	336	19.22	\$315.90*
[Dual CPU] Intel Xeon L5506 @ 2.13GHz	4928	367	11.00	\$448.00*
[Dual CPU] Intel Xeon L5518 @ 2.13GHz	6904	314	NA	NA
[Dual CPU] Intel Xeon L5520 @ 2.27GHz	6944	313	268.73	\$25.84*
[Dual CPU] Intel Xeon L5530 @ 2.40GHz	7939	284	206.10	\$38.52*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon L5630 @ 2.13GHz	7006	312	53.89	\$130.00*
[Dual CPU] Intel Xeon L5638 @ 2.00GHz	8952	256	64.03	\$139.80*
[Dual CPU] Intel Xeon L5639 @ 2.13GHz	9598	243	NA	NA
[Dual CPU] Intel Xeon L5640 @ 2.27GHz	9666	242	161.26	\$59.94*
[Dual CPU] Intel Xeon MP 2.50GHz	550	451	NA	NA
[Dual CPU] Intel Xeon MP 2.70GHz	539	454	5.99	\$90.00*
[Dual CPU] Intel Xeon MP 3.00GHz	624	447	NA	NA
[Dual CPU] Intel Xeon MV 3.20GHz	1609	433	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 Platinum 8124M @ 3.00GHz	36109	8	NA	NA
[Dual CPU] Intel Xeon Platinum 8160M @ 2.10GHz	35823	10	2.32	\$15,408.00*
[Dual CPU] Intel Xeon Platinum 8160T @ 2.10GHz	29251	31	2.96	\$9,872.00*
[Dual CPU] Intel Xeon Platinum 8168 @ 2.70GHz	39259	4	3.33	\$11,780.00*
[Dual CPU] Intel Xeon Platinum 8173M @ 2.00GHz	35438	11	NA	NA
[Dual CPU] Intel Xeon Platinum 8175M @ 2.50GHz	36068	9	NA	NA
[Dual CPU] Intel Xeon Platinum 8180 @ 2.50GHz	37312	5	1.86	\$20,030.00*
[Dual CPU] Intel Xeon Silver 4108 @ 1.80GHz	15972	144	17.75	\$899.98
[Dual CPU] Intel Xeon Silver 4110 @ 2.10GHz	16434	138	17.19	\$955.86
[Dual CPU] Intel Xeon Silver 4112 @ 2.60GHz	13615	173	13.28	\$1,025.40
[Dual CPU] Intel Xeon Silver 4114 @ 2.20GHz	19356	113	13.64	\$1,419.04
[Dual CPU] Intel Xeon Silver 4116 @ 2.10GHz	21018	93	10.12	\$2,076.08
[Dual CPU] Intel Xeon Silver 4209T @ 2.20GHz	20002	106	19.96	\$1,002.00*
[Dual CPU] Intel Xeon W5580 @ 3.20GHz	10079	232	47.08	\$214.06*
[Dual CPU] Intel Xeon W5590 @ 3.33GHz	10348	223	2.06	\$5,017.90
[Dual CPU] Intel Xeon W5647 @ 2.93GHz	10279	227	NA	NA
[Dual CPU] Intel Xeon X5260 @ 3.33GHz	4757	372	17.08	\$278.48*
[Dual CPU] Intel Xeon X5270 @ 3.50GHz	4689	373	NA	NA
[Dual CPU] Intel Xeon X5272 @ 3.40GHz	4890	369	17.46	\$280.00*
[Dual CPU] Intel Xeon X5355 @ 2.66GHz	5756	343	70.20	\$82.00*
[Dual CPU] Intel Xeon X5365 @ 3.00GHz	6210	331	31.21	\$199.00*
[Dual CPU] Intel Xeon X5450 @ 3.00GHz	7447	299	74.48	\$99.98*
[Dual CPU] Intel Xeon X5460 @ 3.16GHz	7834	287	85.17	\$91.98*
[Dual CPU] Intel Xeon X5470 @ 3.33GHz	8136	278	21.52	\$378.00*
[Dual CPU] Intel Xeon X5472 @ 3.00GHz	7776	290	17.28	\$450.00*
[Dual CPU] Intel Xeon X5482 @ 3.20GHz	8196	276	40.98	\$199.98*
[Dual CPU] Intel Xeon X5492 @ 3.40GHz	8682	263	3.12	\$2,782.58*
[Dual CPU] Intel Xeon X5550 @ 2.67GHz	8934	258	14.65	\$609.70
[Dual CPU] Intel Xeon X5560 @ 2.80GHz	9084	251	95.04	\$95.58
[Dual CPU] Intel Xeon X5570 @ 2.93GHz	9533	246	53.56	\$178.00*
[Dual CPU] Intel Xeon X5647 @ 2.93GHz	9844	238	24.64	\$399.50*
[Dual CPU] Intel Xeon X5650 @ 2.67GHz	11300	208	261.21	\$43.26
[Dual CPU] Intel Xeon X5660 @ 2.80GHz	11595	201	170.51	\$68.00*
[Dual CPU] Intel Xeon X5667 @ 3.07GHz	10279	226	65.06	\$158.00*
[Dual CPU] Intel Xeon X5670 @ 2.93GHz	12276	188	133.20	\$92.16
[Dual CPU] Intel Xeon X5672 @ 3.20GHz	10075	233	1.18	\$8,560.00*
[Dual CPU] Intel Xeon X5675 @ 3.07GHz	12511	182	178.73	\$70.00
[Dual CPU] Intel Xeon X5677 @ 3.47GHz	11305	207	148.44	\$76.16*
[Dual CPU] Intel Xeon X5679 @ 3.20GHz	13618	172	NA	NA
[Dual CPU] Intel Xeon X5680 @ 3.33GHz	13549	175	90.33	\$150.00
[Dual CPU] Intel Xeon X5687 @ 3.60GHz	11940	196	119.52	\$99.90
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Dual CPU] Intel Xeon X5690 @ 3.47GHz	13765	165	34.59	\$398.00
[Dual CPU] Intel Xeon X5698 @ 4.40GHz	8488	268	NA	NA
[Dual CPU] Intel Xeon X7350 @ 2.93GHz	6594	319	91.61	\$71.98*
[Dual CPU] Intel Xeon X7460 @ 2.66GHz	8721	261	6.15	\$1,417.90*
[Dual CPU] Intel Xeon X7550 @ 2.00GHz	9937	237	18.07	\$550.00*
[Dual CPU] Intel Xeon X7560 @ 2.27GHz	11794	199	268.05	\$44.00*
[Dual CPU] Quad-Core AMD Opteron 2352	4171	382	46.34	\$90.00
[Dual CPU] Quad-Core AMD Opteron 2358 SE	5042	364	11.46	\$440.02*
[Dual CPU] Quad-Core AMD Opteron 8350	4290	380	9.75	\$439.98*
[Dual CPU] Quad-Core AMD Opteron 8356	4376	379	199.09	\$21.98*
[Dual CPU] Quad-Core AMD Opteron 8378	5382	354	30.51	\$176.42*
[Dual CPU] Quad-Core AMD Opteron 8393 SE	6864	315	NA	NA
[Dual CPU] Six-Core AMD Opteron 2419 EE	5654	346	NA	NA
[Dual CPU] Six-Core AMD Opteron 2423 HE	5969	338	NA	NA
[Quad CPU] AMD Opteron 6128 HE	8323	272	NA	NA
[Quad CPU] AMD Opteron 6136	9767	239	22.20	\$440.00*
[Quad CPU] AMD Opteron 6174	8594	266	21.70	\$396.00

CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] AMD Opteron 6272	12292	187	4.66	\$2,635.56
[Quad CPU] AMD Opteron 6274	10488	219	57.01	\$183.96
[Quad CPU] AMD Opteron 6276	15342	150	22.70	\$676.00
[Quad CPU] AMD Opteron 6278	12055	192	9.75	\$1,236.00
[Quad CPU] AMD Opteron 6282 SE	11044	211	21.24	\$519.96*
[Quad CPU] AMD Opteron 6376	13257	177	50.99	\$260.00
[Quad CPU] AMD Opteron 6378	20859	97	13.07	\$1,596.00
[Quad CPU] AMD Opteron 6380	12442	184	32.07	\$387.96
[Quad CPU] AMD Opteron 8360 SE	6490	322	77.26	\$84.00*
[Quad CPU] AMD Opteron 8381 HE	6097	335	NA	NA
[Quad CPU] AMD Opteron 8382	8553	267	10.74	\$796.00*
[Quad CPU] AMD Opteron 8425 HE	7359	302	NA	NA
[Quad CPU] AMD Opteron 8431	8252	275	147.46	\$55.96*
[Quad CPU] AMD Opteron 8435	7099	309	24.65	\$288.00
[Quad CPU] AMD Opteron 8439 SE	8943	257	29.81	\$300.00*
[Quad CPU] Intel Xeon 3.00GHz	1472	434	NA	NA
[Quad CPU] Intel Xeon 3.40GHz	3395	395	NA	NA
[Quad CPU] Intel Xeon E5-4617 @ 2.90GHz	16874	133	46.92	\$359.60*
[Quad CPU] Intel Xeon E5-4620 @ 2.20GHz	15924	145	29.66	\$536.84
[Quad CPU] Intel Xeon E5-4620 v2 @ 2.60GHz	13628	171	20.04	\$680.00*
[Quad CPU] Intel Xeon E5-4627 v2 @ 3.30GHz	24681	58	NA	NA
[Quad CPU] Intel Xeon E5-4650 @ 2.70GHz	21372	90	55.95	\$381.96*
[Quad CPU] Intel Xeon E5-4650 v2 @ 2.40GHz	26203	50	1.81	\$14,464.00*
[Quad CPU] Intel Xeon E5-4660 v4 @ 2.20GHz	30855	24	1.63	\$18,908.00*
[Quad CPU] Intel Xeon E7-4820 v4 @ 2.00GHz	20211	105	3.36	\$6,008.00*
[Quad CPU] Intel Xeon E7-4850 v2 @ 2.30GHz	16028	142	NA	NA
[Quad CPU] Intel Xeon E7-4890 v2 @ 2.80GHz	34471	13	1.39	\$24,800.00*
[Quad CPU] Intel Xeon E7-8880L v3 @ 2.00GHz	31897	20	NA	NA
[Quad CPU] Intel Xeon E7- 4850 @ 2.00GHz	17269	129	107.96	\$159.96*
[Quad CPU] Intel Xeon E7- 4860 @ 2.27GHz	17287	128	131.00	\$131.96*
[Quad CPU] Intel Xeon E7- 4870 @ 2.40GHz	14316	161	18.94	\$756.00*
[Quad CPU] Intel Xeon E7- 8837 @ 2.67GHz	12698	181	15.87	\$799.96*
CPU Name	Passmark CPU Mark (higher is better)	Rank (lower is better)	CPU Value (higher is better)	Price (USD)
[Quad CPU] Intel Xeon E7- 8870 @ 2.40GHz	15867	148	0.79	\$20,034.04*
[Quad CPU] Intel Xeon E7330 @ 2.40GHz	7021	311	20.65	\$340.00*
[Quad CPU] Intel Xeon E7430 @ 2.13GHz	7751	291	NA	NA
[Quad CPU] Intel Xeon E7440 @ 2.40GHz	10195	229	28.32	\$359.96*
[Quad CPU] Intel Xeon E7450 @ 2.40GHz	9573	244	40.56	\$236.00*
[Quad CPU] Intel Xeon E7520 @ 1.87GHz	9041	252	14.31	\$631.80*
[Quad CPU] Intel Xeon Gold 5122 @ 3.60GHz	26139	52	5.15	\$5,079.96
[Quad CPU] Intel Xeon Gold 6142M @ 2.60GHz	34600	12	NA	NA
[Quad CPU] Intel Xeon Gold 6152 @ 2.10GHz	40785	3	2.68	\$15,199.96
[Quad CPU] Intel Xeon L7455 @ 2.13GHz	9741	240	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	245	66.28	\$143.96*
[Quad CPU] Intel Xeon X7460 @ 2.66GHz	11953	195	4.22	\$2,835.80*
[Quad CPU] Intel Xeon X7542 @ 2.67GHz	8636	265	6.36	\$1,356.96*
[Quad CPU] Intel Xeon X7550 @ 2.00GHz	11498	202	10.45	\$1,100.00*
[Quad CPU] Intel Xeon X7560 @ 2.27GHz	13145	178	149.38	\$88.00*
[Quad CPU] Quad-Core AMD Opteron 8356	7170	305	163.10	\$43.96*

\* - Last price seen from our affiliates.

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# Videocard Benchmarks

Over 1,000,000 Video Cards  
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How does your Video Card compare?

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## Video Card List

Below is an alphabetical list of all Video Card types that appear in the charts. Clicking on a specific Video Card will take you to the chart it appears in and will highlight it for you.

 Find Videocard

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
128 DDR Radeon 9700 TX w/TV-Out	44	1450	NA	NA
128MB DDR Radeon 9800 Pro	66	1390	NA	NA
128MB RADEON X600 SE	49	1434	NA	NA
15DD	1528	368	NA	NA
256MB RADEON X600	67	1381	NA	NA
7900 MOD - Radeon HD 6520G	610	824	NA	NA
A6 Micro-6500T Quad-Core APU with RadeonR4	220	1121	NA	NA
ABIT Siluro T400	3	1648	NA	NA
ALL-IN-WONDER 9000	4	1620	NA	NA
ALL-IN-WONDER RADEON 8500DV	5	1608	NA	NA
All-in-Wonder X1900	127	1229	NA	NA
ALL-IN-WONDER X800 GT	84	1335	NA	NA
ASUS EAH4870x2	496	939	NA	NA
Barco MXRT 5400	1161	455	NA	NA
Barco MXRT 5450	992	530	NA	NA
Barco MXRT 7500	4319	158	NA	NA
Chell 1.7b for Intel 945G	9	1574	NA	NA
Chell 1.7b for Intel G33/G31	16	1554	NA	NA
Chell 1.7b for Intel GMA 3150	4	1628	NA	NA
Chell 1.7b for Mobile Intel 945	6	1588	NA	NA
Chell 1.8a for Mobile Intel 965	22	1534	NA	NA
Chell 1.8b for Intel 945G	1	1698	NA	NA
Chell 1.8b for Intel G33/G31	7	1586	NA	NA
Chell 1.8b for Mobile Intel 945	3	1672	NA	NA
Chell 1.8b for Mobile Intel 965	13	1558	NA	NA
Chipset Intel G41 Express	57	1414	NA	NA
DameWare Development Mirror Driver 64-bit	1653	344	NA	NA
Device	3545	187	NA	NA
EAH6450	264	1089	NA	NA
Embedded Radeon E9173	1996	299	NA	NA
Famille de jeu de puces Express Intel 946GZ	7	1581	NA	NA
FireGL T2-128	30	1505	NA	NA
FireGL V3100	52	1421	NA	NA
FireGL V3200	84	1333	NA	NA
FireGL V3300	70	1371	NA	NA
FireGL V3350	66	1382	NA	NA
FireGL V3400	103	1283	NA	NA
FireGL V3600	179	1174	1.12	\$160.99*
FireGL V5100	92	1313	NA	NA
FireGL V5200	114	1250	NA	NA
FireGL V5600	341	1033	NA	NA
FireGL V7200	113	1252	NA	NA
FireGL V7300	128	1227	0.11	\$1,189.99*
FireGL V7350	110	1265	0.07	\$1,523.99*
FireGL V7600	615	820	NA	NA



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FireGL V7700	660	771	3.77	\$174.99*
FireGL V8650	550	885	1.67	\$329.99*
FireGL X1	59	1406	NA	NA
FireMV 2200 PCIe	36	1479	0.40	\$89.99*
FireMV 2250	45	1443	0.43	\$105.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FireMV 2260	117	1244	1.12	\$104.99*
FireMV 2400 PCIe	13	1559	NA	NA
FirePro 2260	113	1255	NA	NA
FirePro 2270	226	1117	2.16	\$105.06*
FirePro 2450	51	1425	0.18	\$278.00*
FirePro 2460	215	1126	0.80	\$269.99*
FirePro 3D V3700	178	1177	2.10	\$84.99*
FirePro 3D V3750	343	1031	6.75	\$50.88*
FirePro 3D V3800	473	954	3.16	\$149.99*
FirePro 3D V4800	1165	452	7.29	\$159.99*
FirePro 3D V5700	546	894	1.71	\$319.99*
FirePro 3D V5800	1480	375	4.00	\$369.99*
FirePro 3D V7750	540	904	1.54	\$350.00*
FirePro 3D V7800	1809	324	3.02	\$599.99*
FirePro 3D V8700	1206	442	6.03	\$199.99*
FirePro 3D V8750	1271	424	1.03	\$1,230.99*
FirePro 3D V8800	2437	253	5.74	\$424.99*
FirePro 3D V9800	2811	235	1.13	\$2,499.00*
FirePro M2000	620	815	NA	NA
FirePro M4000	1615	351	NA	NA
FirePro M4000 Mobility Pro	1702	338	NA	NA
FirePro M40003	1364	396	NA	NA
Firepro M4100	1059	493	NA	NA
FirePro M4150	1113	475	NA	NA
FirePro M4170	1086	481	NA	NA
FirePro M5100	2102	286	NA	NA
FirePro M5950	1314	408	NA	NA
FirePro M6000 Mobility Pro	1722	334	NA	NA
FirePro M6100	2967	225	NA	NA
FirePro M7740	665	765	NA	NA
FirePro S10000	5232	123	NA	NA
FirePro S7000	4166	165	NA	NA
FirePro S9000	5022	128	NA	NA
FirePro V3900	871	595	6.71	\$129.99*
FirePro V4900	1301	412	8.98	\$144.99*
FirePro V5700	464	961	NA	NA
FirePro V5900	1530	367	4.78	\$319.99*
FirePro V7000 Adapter	3161	210	NA	NA
FirePro V7900	2739	239	22.83	\$119.99*
FirePro V9800 Adapter	2761	237	NA	NA
FirePro W2100	902	581	7.91	\$113.99*
FirePro W4100	1600	355	10.00	\$159.99*
FirePro W4100 Adapter	1663	342	NA	NA
FirePro W4170M	1383	390	NA	NA
Firepro W4190M	1290	417	NA	NA
FirePro W4300	2921	228	12.17	\$239.99*
FirePro W5000	3084	217	7.11	\$434.00*
FirePro W5100	3011	224	10.79	\$279.13*
FirePro W5130M	1628	347	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Firepro W5170M	2191	277	NA	NA
FirePro W600	1734	333	5.42	\$319.99
FirePro W7000	4330	157	7.60	\$569.99*
FirePro W7000 Adapter	4084	167	NA	NA
FirePro W7100	5411	116	18.66	\$289.99*
FirePro W7100 Adapter	5553	113	NA	NA
FirePro W7170M	4578	143	NA	NA
FirePro W8000	4627	142	4.41	\$1,048.99*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FirePro W8000 Adapter	4751	135	NA	NA
FirePro W8100	6066	101	5.45	\$1,112.17
FirePro W8100 Graphic Adapter	7570	85	NA	NA
FirePro W9000	5304	120	1.54	\$3,443.99*
FirePro W9100	7189	89	2.61	\$2,749.99*
FireStream 9250	1164	454	NA	NA
FireStream 9270	1341	402	NA	NA
GeForce 205	126	1232	NA	NA
GeForce 210	171	1181	4.91	\$34.99
GeForce 256	5	1617	0.12	\$42.04*
GeForce 305M	190	1164	NA	NA
GeForce 310	202	1147	1.87	\$108.35*
GeForce 310M	209	1135	NA	NA
GeForce 315	249	1103	7.55	\$32.99*
GeForce 315M	208	1137	NA	NA
GeForce 320M	271	1081	NA	NA
GeForce 405	212	1130	8.62	\$24.64*
GeForce 410M	352	1024	NA	NA
GeForce 505	191	1163	NA	NA
GeForce 510	310	1054	4.44	\$69.99*
GeForce 605	322	1044	3.29	\$97.99*
GeForce 6100	21	1540	NA	NA
GeForce 6100 nForce 400	25	1522	NA	NA
GeForce 6100 nForce 405	22	1537	NA	NA
GeForce 6100 nForce 420	25	1521	NA	NA
GeForce 6100 nForce 430	23	1532	NA	NA
GeForce 610M	404	997	NA	NA
GeForce 615	548	887	NA	NA
GeForce 6150	21	1538	0.15	\$149.99*
GeForce 6150 LE	21	1541	NA	NA
GeForce 6150SE	24	1527	NA	NA
GeForce 6150SE nForce 430	22	1533	NA	NA
GeForce 6200	44	1449	1.11	\$39.99*
GeForce 6200 A-LE	32	1499	NA	NA
GeForce 6200 LE	26	1517	0.65	\$41.24*
GeForce 6200 TurboCache	38	1470	NA	NA
GeForce 6200SE TurboCache	29	1509	NA	NA
GeForce 6500	37	1475	NA	NA
GeForce 6600	62	1397	NA	NA
GeForce 6600 GT	101	1287	1.57	\$64.95*
GeForce 6600 LE	51	1424	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 6610 XL	88	1328	NA	NA
GeForce 6700 XL	97	1298	NA	NA
GeForce 6800	112	1260	2.82	\$39.99*
GeForce 6800 GS	136	1217	NA	NA
GeForce 6800 GS/XT	102	1284	NA	NA
GeForce 6800 GT	142	1205	NA	NA
GeForce 6800 LE	109	1269	NA	NA
GeForce 6800 Ultra	138	1213	NA	NA
GeForce 6800 XT	101	1288	NA	NA
GeForce 7000M	13	1560	NA	NA
GeForce 7000M / nForce 610M	12	1561	NA	NA
GeForce 7025 / nForce 630a	25	1523	NA	NA
GeForce 7050 / nForce 610i	27	1511	NA	NA
GeForce 7050 / nForce 620i	31	1502	NA	NA
GeForce 7050 / nForce 630i	27	1515	NA	NA
GeForce 7050 PV / nForce 630a	22	1536	NA	NA
GeForce 705M	449	969	NA	NA
GeForce 7100 / nForce 630i	31	1501	NA	NA
GeForce 7100 GS	43	1451	NA	NA
GeForce 710A	532	909	NA	NA
GeForce 710M	570	863	NA	NA
GeForce 7150 / nForce 630i	33	1495	NA	NA
GeForce 7150M / nForce 630M	18	1548	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 7300 GS	66	1386	NA	NA
GeForce 7300 GT	108	1271	0.72	\$149.99*
GeForce 7300 LE	55	1418	1.72	\$32.00*
GeForce 7300 SE	39	1469	NA	NA
GeForce 7300 SE/7200 GS	41	1457	NA	NA
GeForce 730A	806	632	NA	NA
GeForce 7350 LE	74	1361	NA	NA
GeForce 7500 LE	69	1376	NA	NA
GeForce 7600 GS	134	1221	1.58	\$84.99*
GeForce 7600 GT	181	1171	2.14	\$84.95*
GeForce 7650 GS	134	1223	NA	NA
GeForce 7800 GS	177	1178	NA	NA
GeForce 7800 GT	196	1156	2.45	\$80.00*
GeForce 7800 GTX	223	1118	NA	NA
GeForce 7900 GS	218	1123	NA	NA
GeForce 7900 GT	258	1096	NA	NA
GeForce 7900 GT/GTO	247	1104	NA	NA
GeForce 7900 GTX	306	1059	NA	NA
GeForce 7950 GT	263	1090	2.29	\$114.95*
GeForce 7950 GX2	197	1153	3.59	\$54.99*
GeForce 800A	428	983	NA	NA
GeForce 800M	561	871	NA	NA
GeForce 8100 / nForce 720a	81	1347	NA	NA
GeForce 810A	638	793	NA	NA
GeForce 810M	483	945	NA	NA
GeForce 8200	79	1353	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 8200M G	56	1416	NA	NA
GeForce 820A	700	731	NA	NA
GeForce 820M	618	817	NA	NA
GeForce 825M	759	672	NA	NA
GeForce 8300	91	1322	4.04	\$22.68*
GeForce 8300 GS	66	1385	NA	NA
GeForce 830A	1004	522	NA	NA
GeForce 830M	897	583	NA	NA
GeForce 8400	100	1290	1.45	\$69.78*
GeForce 8400 GS	112	1257	2.51	\$44.99
GeForce 8400 SE	68	1378	NA	NA
GeForce 8400M G	58	1408	NA	NA
GeForce 8400M GS	81	1343	5.47	\$14.99*
GeForce 8400M GT	98	1297	NA	NA
GeForce 840A	869	596	NA	NA
GeForce 840M	920	570	NA	NA
GeForce 845M	1134	464	NA	NA
GeForce 8500 GT	136	1218	NA	NA
GeForce 8600 GS	141	1206	NA	NA
GeForce 8600 GT	241	1106	NA	NA
GeForce 8600 GTS	284	1072	NA	NA
GeForce 8600M GS	123	1234	NA	NA
GeForce 8600M GT	168	1186	NA	NA
GeForce 8700M GT	206	1141	NA	NA
GeForce 8800 GS	545	897	NA	NA
GeForce 8800 GT	748	684	NA	NA
GeForce 8800 GTS	605	828	NA	NA
GeForce 8800 GTS 512	833	614	NA	NA
GeForce 8800 GTX	762	668	NA	NA
GeForce 8800 Ultra	769	664	NA	NA
GeForce 8800M GTS	474	953	NA	NA
GeForce 8800M GTX	542	903	NA	NA
GeForce 9100	82	1341	NA	NA
GeForce 9100M G	74	1359	NA	NA
GeForce 910M	495	940	NA	NA
GeForce 9200	80	1352	NA	NA
GeForce 9200M GE	81	1348	NA	NA
GeForce 9200M GS	84	1334	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 920A	919	571	NA	NA
GeForce 920M	735	698	NA	NA
GeForce 920MX	1080	486	NA	NA
GeForce 9300	126	1230	NA	NA
GeForce 9300 / nForce 730i	129	1226	NA	NA
GeForce 9300 GE	101	1289	4.41	\$22.99*
GeForce 9300 GS	91	1319	1.53	\$59.95*
GeForce 9300GE	97	1301	NA	NA
GeForce 9300M G	85	1331	NA	NA
GeForce 9300M GS	94	1306	NA	NA
GeForce 930A	1212	440	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 930M	950	555	NA	NA
GeForce 930MX	1220	438	NA	NA
GeForce 9400	139	1212	NA	NA
GeForce 9400 GT	186	1167	2.33	\$79.99*
GeForce 9400M	118	1242	NA	NA
GeForce 9400M G	124	1233	NA	NA
GeForce 940A	1031	509	NA	NA
GeForce 940M	993	528	NA	NA
GeForce 940MX	1357	398	NA	NA
GeForce 945A	1852	318	NA	NA
GeForce 945M	1504	371	NA	NA
GeForce 9500 GS	277	1077	NA	NA
GeForce 9500 GT	272	1080	3.17	\$85.99*
GeForce 9500M	103	1281	NA	NA
GeForce 9500M G	166	1189	NA	NA
GeForce 9500M GS	179	1175	NA	NA
GeForce 9600 GS	445	971	NA	NA
GeForce 9600 GSO	516	921	10.33	\$49.99*
GeForce 9600 GSO 512	503	931	NA	NA
GeForce 9600 GT	728	700	18.22	\$39.99*
GeForce 9600M GS	231	1116	NA	NA
GeForce 9600M GT	259	1094	NA	NA
GeForce 9600M GT / GeForce GT 220M	293	1068	NA	NA
GeForce 9650M GS	270	1082	NA	NA
GeForce 9650M GT	254	1101	NA	NA
GeForce 9700M GT	317	1050	NA	NA
GeForce 9700M GTS	478	949	NA	NA
GeForce 9800 GT	707	723	6.80	\$103.99*
GeForce 9800 GTX	769	663	NA	NA
GeForce 9800 GTX+	897	584	NA	NA
GeForce 9800 GTX/9800 GTX+	879	592	9.77	\$89.99*
GeForce 9800 GX2	797	637	NA	NA
GeForce 9800 S	635	797	NA	NA
GeForce 9800M GS	547	892	NA	NA
GeForce 9800M GT	475	951	NA	NA
GeForce 9800M GTS	645	789	NA	NA
GeForce 9800M GTX	517	919	1.57	\$328.50*
GeForce 999 GTX	110	1266	NA	NA
GeForce FX 5200	7	1580	0.11	\$69.99*
GeForce FX 5200 Ultra	12	1563	NA	NA
GeForce FX 5200LE	7	1585	0.16	\$42.99*
GeForce FX 5200SE	11	1566	NA	NA
GeForce FX 5500	8	1577	0.23	\$36.99*
GeForce FX 5600	12	1564	NA	NA
GeForce FX 5600 Ultra	17	1552	NA	NA
GeForce FX 5600XT	9	1575	NA	NA
GeForce FX 5700	41	1459	NA	NA
GeForce FX 5700 Ultra	34	1489	NA	NA
GeForce FX 5700LE	24	1525	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce FX 5700VE	33	1494	NA	NA
GeForce FX 5900	34	1485	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce FX 5900 Ultra	41	1460	NA	NA
GeForce FX 5900XT	40	1463	NA	NA
GeForce FX 5950 Ultra	59	1405	NA	NA
GeForce FX Go 5200	8	1576	NA	NA
GeForce FX Go 5600	17	1551	NA	NA
GeForce FX Go5300	12	1562	NA	NA
GeForce FX Go5650	16	1553	NA	NA
GeForce FX Go5700	51	1423	NA	NA
GeForce G 103M	105	1277	NA	NA
GeForce G 105M	112	1259	NA	NA
GeForce G100	99	1291	4.99	\$19.99*
GeForce G102M	93	1307	NA	NA
GeForce G105M	179	1176	NA	NA
GeForce G200	131	1224	NA	NA
GeForce G205M	91	1320	NA	NA
GeForce G210	169	1185	2.69	\$63.13*
GeForce G210M	199	1151	NA	NA
GeForce Go 6100	17	1549	NA	NA
GeForce Go 6150	17	1550	NA	NA
GeForce Go 6200	15	1555	NA	NA
GeForce Go 6400	24	1528	NA	NA
GeForce Go 6600	69	1373	NA	NA
GeForce Go 6600 TE/6200 TE	44	1446	NA	NA
GeForce Go 6800	106	1275	NA	NA
GeForce Go 6800 Ultra	137	1215	NA	NA
GeForce Go 7200	45	1444	NA	NA
GeForce Go 7300	50	1428	NA	NA
GeForce Go 7400	62	1396	NA	NA
GeForce Go 7600	127	1228	NA	NA
GeForce Go 7600 GT	165	1192	NA	NA
GeForce Go 7700	147	1202	NA	NA
GeForce Go 7800	111	1263	NA	NA
GeForce Go 7800 GTX	209	1136	NA	NA
GeForce Go 7900 GS	176	1179	NA	NA
GeForce Go 7950 GTX	263	1091	NA	NA
GeForce GPU	1165	453	NA	NA
GeForce GT 1030	2223	273	26.17	\$84.99
GeForce GT 120	287	1071	8.33	\$34.49*
GeForce GT 120M	267	1086	NA	NA
GeForce GT 130	456	964	16.30	\$27.99*
GeForce GT 130M	297	1064	NA	NA
GeForce GT 140	747	686	NA	NA
GeForce GT 220	349	1028	4.37	\$79.99*
GeForce GT 220M	258	1095	NA	NA
GeForce GT 230	471	956	10.71	\$43.99*
GeForce GT 230M	332	1039	NA	NA
GeForce GT 240	649	784	17.09	\$37.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 240M	350	1026	NA	NA
GeForce GT 320	552	882	16.90	\$32.69*
GeForce GT 320M	205	1144	NA	NA
GeForce GT 325M	293	1067	NA	NA
GeForce GT 330	555	877	13.89	\$39.99*
GeForce GT 330M	361	1018	NA	NA
GeForce GT 335M	502	932	NA	NA
GeForce GT 340	774	657	14.62	\$52.99*
GeForce GT 415M	318	1048	NA	NA
GeForce GT 420	473	955	10.29	\$45.99*
GeForce GT 420M	543	902	NA	NA
GeForce GT 425M	626	809	NA	NA
GeForce GT 430	661	769	18.38	\$35.99*
GeForce GT 435M	667	762	NA	NA
GeForce GT 440	842	608	12.04	\$69.99*
GeForce GT 445M	1054	495	NA	NA
GeForce GT 520	366	1012	6.10	\$59.99*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 520M	383	1004	6.39	\$59.99*
GeForce GT 520MX	405	995	NA	NA
GeForce GT 525M	600	834	NA	NA
GeForce GT 530	744	689	15.20	\$49.00*
GeForce GT 540M	648	785	NA	NA
GeForce GT 545	1292	416	23.26	\$55.59*
GeForce GT 550M	718	710	NA	NA
GeForce GT 555M	893	586	NA	NA
GeForce GT 610	350	1025	8.77	\$39.99*
GeForce GT 620	430	980	10.77	\$39.99*
GeForce GT 620M	572	861	NA	NA
GeForce GT 625	437	975	NA	NA
GeForce GT 625M	500	934	NA	NA
GeForce GT 630	746	687	7.52	\$99.21*
GeForce GT 630M	689	739	NA	NA
GeForce GT 635	913	574	NA	NA
GeForce GT 635M	697	735	NA	NA
GeForce GT 640	1280	422	21.35	\$59.99*
GeForce GT 640M	963	550	NA	NA
GeForce GT 640M LE	785	648	0.92	\$849.99*
GeForce GT 645	2250	269	NA	NA
GeForce GT 645M	896	585	NA	NA
GeForce GT 650M	1232	436	NA	NA
GeForce GT 705	422	986	NA	NA
GeForce GT 710	681	747	15.85	\$42.99
GeForce GT 710M	551	883	NA	NA
GeForce GT 720	716	716	13.03	\$54.99*
GeForce GT 720A	660	772	NA	NA
GeForce GT 720M	561	870	NA	NA
GeForce GT 730	921	569	12.28	\$74.99
GeForce GT 730A	742	692	NA	NA
GeForce GT 730M	837	612	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 735M	670	760	NA	NA
GeForce GT 740	1569	359	16.53	\$94.99*
GeForce GT 740M	786	647	NA	NA
GeForce GT 745A	1179	449	NA	NA
GeForce GT 745M	976	543	NA	NA
GeForce GT 750M	1295	415	NA	NA
GeForce GT 755M	1597	356	NA	NA
GeForce GT 820M	704	728	NA	NA
GeForce GT625M	528	914	NA	NA
GeForce GTS 160M	678	754	NA	NA
GeForce GTS 240	818	628	12.59	\$64.99*
GeForce GTS 250	876	593	7.62	\$114.99*
GeForce GTS 250M	567	866	NA	NA
GeForce GTS 350M	556	876	NA	NA
GeForce GTS 360M	757	677	NA	NA
GeForce GTS 450	1557	361	23.96	\$64.99*
GeForce GTX 1050	4700	137	36.16	\$129.99
GeForce GTX 1050 (Mobile)	4496	145	NA	NA
GeForce GTX 1050 Ti	6020	102	35.42	\$169.99
GeForce GTX 1050 Ti (Mobile)	6234	95	NA	NA
GeForce GTX 1050 Ti with Max-Q Design	5752	109	NA	NA
GeForce GTX 1050 with Max-Q Design	3794	177	NA	NA
GeForce GTX 1060	9096	56	30.32	\$299.99
GeForce GTX 1060 (Mobile)	7960	73	NA	NA
GeForce GTX 1060 3GB	8972	59	44.87	\$199.99
GeForce GTX 1060 5GB	6155	97	NA	NA
GeForce GTX 1060 with Max-Q Design	7869	77	NA	NA
GeForce GTX 1070	11351	31	34.40	\$329.99
GeForce GTX 1070 (Mobile)	9168	54	NA	NA
GeForce GTX 1070 Ti	12358	22	26.50	\$466.41
GeForce GTX 1070 with Max-Q Design	9507	49	NA	NA
GeForce GTX 1080	12450	21	20.18	\$616.98



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 1080 Ti	14267	10	16.40	\$869.99*
GeForce GTX 1080 with Max-Q Design	10308	44	NA	NA
GeForce GTX 1650	7757	80	51.72	\$149.99
GeForce GTX 1650 (Mobile)	7844	78	NA	NA
GeForce GTX 1660	10802	35	49.10	\$219.99
GeForce GTX 1660 Ti	11620	27	43.04	\$269.99
GeForce GTX 1660 Ti (Mobile)	9752	47	NA	NA
GeForce GTX 1660 Ti with Max-Q Design	9075	58	NA	NA
GeForce GTX 260	1135	463	11.91	\$95.38*
GeForce GTX 260M	589	844	NA	NA
GeForce GTX 275	1244	429	10.38	\$119.99*
GeForce GTX 280	1206	443	2.31	\$522.78*
GeForce GTX 280M	620	812	NA	NA
GeForce GTX 285	1272	423	7.07	\$179.99*
GeForce GTX 285M	734	699	NA	NA
GeForce GTX 295	1053	496	6.58	\$159.99*
GeForce GTX 460	2653	243	29.49	\$89.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 460 SE	2257	268	14.11	\$159.99*
GeForce GTX 460 v2	2487	250	12.44	\$199.99*
GeForce GTX 460M	1393	389	NA	NA
GeForce GTX 465	2947	226	11.19	\$263.28*
GeForce GTX 470	3601	182	6.90	\$522.01*
GeForce GTX 470M	1949	306	NA	NA
GeForce GTX 480	4360	154	60.57	\$71.99*
GeForce GTX 480M	2039	295	NA	NA
GeForce GTX 485M	2400	256	NA	NA
GeForce GTX 550 Ti	1923	313	6.69	\$287.59*
GeForce GTX 555	2154	281	NA	NA
GeForce GTX 560	3119	213	8.82	\$353.59*
GeForce GTX 560 SE	2191	276	24.35	\$89.99*
GeForce GTX 560 Ti	3529	189	25.58	\$138.00*
GeForce GTX 560M	1545	363	NA	NA
GeForce GTX 570	4416	149	44.17	\$99.99*
GeForce GTX 570M	2023	298	NA	NA
GeForce GTX 580	5018	130	17.31	\$289.88*
GeForce GTX 580M	2279	264	NA	NA
GeForce GTX 590	4218	162	22.93	\$184.00*
GeForce GTX 645	1935	311	NA	NA
GeForce GTX 650	1835	319	12.67	\$144.81*
GeForce GTX 650 Ti	2660	242	15.65	\$169.99*
GeForce GTX 650 Ti BOOST	3536	188	NA	NA
GeForce GTX 660	4129	166	14.49	\$284.99*
GeForce GTX 660 Ti	4661	140	16.65	\$279.99*
GeForce GTX 660M	1441	379	NA	NA
GeForce GTX 670	5364	119	11.29	\$474.99*
GeForce GTX 670M	1943	307	NA	NA
GeForce GTX 670MX	2076	287	NA	NA
GeForce GTX 675M	2147	283	NA	NA
GeForce GTX 675MX	2447	252	NA	NA
GeForce GTX 680	5669	110	9.78	\$579.99*
GeForce GTX 680M	3346	200	6.69	\$499.99*
GeForce GTX 680MX	4274	159	NA	NA
GeForce GTX 690	5391	117	5.40	\$999.00*
GeForce GTX 745	2188	279	NA	NA
GeForce GTX 750	3317	201	21.97	\$150.99*
GeForce GTX 750 Ti	3755	179	12.56	\$299.01*
GeForce GTX 760	4938	132	19.76	\$249.99*
GeForce GTX 760 Ti	5118	127	17.21	\$297.50*
GeForce GTX 760A	1281	420	NA	NA
GeForce GTX 760M	1435	381	NA	NA
GeForce GTX 765M	1889	316	NA	NA
GeForce GTX 770	6067	100	8.63	\$702.99*
GeForce GTX 770M	2653	244	14.91	\$177.99*
GeForce GTX 775M	4166	164	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 780	7959	74	10.74	\$740.99*
GeForce GTX 780 Ti	8886	60	11.01	\$807.42*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 780M	4020	168	NA	NA
GeForce GTX 850A	802	634	NA	NA
GeForce GTX 850M	1623	348	NA	NA
GeForce GTX 860M	1938	308	NA	NA
GeForce GTX 870M	2432	255	NA	NA
GeForce GTX 880M	3710	180	NA	NA
GeForce GTX 950	5231	124	33.76	\$154.99
GeForce GTX 950A	1683	339	NA	NA
GeForce GTX 950M	1897	314	NA	NA
GeForce GTX 960	5819	106	21.35	\$272.63
GeForce GTX 960A	2358	258	NA	NA
GeForce GTX 960M	2336	259	NA	NA
GeForce GTX 965M	3228	205	NA	NA
GeForce GTX 970	8629	62	26.15	\$329.99*
GeForce GTX 970M	4199	163	2.21	\$1,899.00*
GeForce GTX 980	9648	48	18.54	\$520.38
GeForce GTX 980 Ti	11388	30	23.10	\$493.11
GeForce GTX 980M	5943	103	NA	NA
GeForce GTX Titan	7941	75	3.87	\$2,054.59*
GeForce GTX TITAN Black	8630	61	6.16	\$1,399.99*
GeForce GTX TITAN X	10693	39	5.35	\$1,999.99*
GeForce GTX TITAN Z	7700	83	2.30	\$3,349.99*
GeForce MX110	1593	357	NA	NA
GeForce MX130	1935	310	NA	NA
GeForce MX150	2189	278	NA	NA
GeForce MX250	2678	241	NA	NA
GeForce PCX 5300	6	1595	NA	NA
GeForce PCX 5750	34	1484	NA	NA
GeForce RTX 2060	13156	17	37.59	\$349.99
GeForce RTX 2060 (Mobile)	10797	36	NA	NA
GeForce RTX 2070	14334	9	29.86	\$479.99
GeForce RTX 2070 (Mobile)	10977	33	NA	NA
GeForce RTX 2070 with Max-Q Design	11595	28	NA	NA
GeForce RTX 2080	15689	4	23.07	\$679.99
GeForce RTX 2080 (Mobile)	13965	11	NA	NA
GeForce RTX 2080 Ti	16944	3	15.40	\$1,100.00
GeForce RTX 2080 with Max-Q Design	13230	16	NA	NA
GeForce2 GTS/GeForce2 Pro	3	1646	NA	NA
GeForce2 Integrated GPU	4	1633	NA	NA
GeForce2 MX	2	1685	NA	NA
GeForce2 MX 100/200	3	1669	NA	NA
GeForce2 MX/MX 400	3	1650	NA	NA
GeForce2 Ti	4	1627	NA	NA
GeForce3	4	1621	NA	NA
GeForce3 Ti 200	4	1642	NA	NA
GeForce3 Ti 500	2	1691	NA	NA
GeForce4 420 Go	3	1666	NA	NA
GeForce4 420 Go 32M	5	1615	NA	NA
GeForce4 4200 Go	3	1647	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce4 440 Go	3	1656	NA	NA
GeForce4 440 Go 64M	5	1599	NA	NA
GeForce4 448 Go	5	1609	NA	NA
GeForce4 460 Go --MobileForce M4 Stock--	5	1601	NA	NA
GeForce4 MX 4000	4	1631	NA	NA
GeForce4 MX 420	4	1622	NA	NA
GeForce4 MX 440	4	1632	NA	NA
GeForce4 MX 440 with AGP8X	4	1623	NA	NA
GeForce4 MX 440SE	4	1629	NA	NA
GeForce4 MX 460	4	1639	NA	NA
GeForce4 MX Integrated GPU	6	1591	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce4 Ti 4200	5	1611	NA	NA
GeForce4 Ti 4400	7	1584	NA	NA
GeForce4 Ti 4600	5	1610	0.10	\$53.99*
GeForce4 Ti 4800 SE	7	1583	NA	NA
GeForce9400M	105	1276	NA	NA
GF117	554	879	NA	NA
GIGABYTE RADEON 9600 PRO	39	1468	NA	NA
GRID K1	880	591	0.73	\$1,199.00
GRID K120Q	298	1063	NA	NA
GRID K140Q	727	702	NA	NA
GRID K160Q	701	730	NA	NA
GRID K180Q	778	654	NA	NA
GRID K2	3772	178	4.20	\$899.00
GRID K220Q	912	576	NA	NA
GRID K240Q	2143	285	NA	NA
GRID K260Q	2940	227	NA	NA
GRID K280Q	2322	261	NA	NA
GRID K520	4384	151	NA	NA
GRID M10-1B	2024	297	NA	NA
GRID M60-1Q	4680	139	NA	NA
GRID M60-2Q	5904	104	NA	NA
GRID M60-4Q	3188	208	NA	NA
GRID M60-8Q	3883	173	NA	NA
GRID P40-3Q	681	749	NA	NA
GRID P40-4Q	777	655	NA	NA
GRID P6-4Q	4429	148	NA	NA
HD6450	220	1120	NA	NA
Incredible HD 4000	517	920	NA	NA
Intel - Express Chipset G41	57	1412	NA	NA
Intel - Express Chipset Q45/Q43	57	1411	NA	NA
Intel 2nd Generation SandyBridge HD 3000	205	1145	NA	NA
Intel 4th Generation Haswell HD	419	987	NA	NA
Intel 82845G Controller	2	1694	NA	NA
Intel 82845G/GL Controller	2	1687	NA	NA
Intel 82845G/GL/GE/PE/GV Controller	2	1679	NA	NA
Intel 82865G Controller	4	1626	NA	NA
Intel 82915G Express	5	1605	NA	NA
Intel 82915G/GV/910GL Express	3	1674	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel 82945G Express	5	1602	NA	NA
Intel 865 Embedded Controller	3	1657	NA	NA
Intel 946GZ Embedded Chipset Function 0	3	1670	NA	NA
Intel 946GZ Express	6	1593	NA	NA
Intel B43 Express Chipset	63	1393	NA	NA
Intel Coffee Lake UHD	1158	458	NA	NA
Intel G33/G31 Express	12	1565	NA	NA
Intel G35 Express	30	1506	NA	NA
Intel G41 Express Chipset	63	1394	NA	NA
Intel G41 Express Chipset v2	71	1366	NA	NA
Intel G41 Express-Chipsatz	58	1407	NA	NA
Intel G45/G43 Express Chipset	69	1372	NA	NA
Intel G965 Express	18	1547	NA	NA
Intel Haswell HD - GT1	118	1240	NA	NA
Intel Haswell HD - GT2	158	1194	NA	NA
Intel HD 3000	314	1051	0.33	\$945.00*
Intel HD 4000	456	963	0.29	\$1,592.95*
Intel HD 4400	568	864	NA	NA
Intel HD 4600	712	720	NA	NA
Intel HD 5000	601	832	NA	NA
Intel HD 510	620	814	NA	NA
Intel HD 515	645	787	NA	NA
Intel HD 520	837	611	NA	NA
Intel HD 5200	830	619	NA	NA
Intel HD 530	998	527	NA	NA
Intel HD 5300	400	1000	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel HD 5500	591	841	NA	NA
Intel HD 5600	663	768	NA	NA
Intel HD 6000	828	620	NA	NA
Intel HD 610	717	713	NA	NA
Intel HD 615	737	697	NA	NA
Intel HD 630	1121	470	NA	NA
Intel HD Family	437	976	NA	NA
Intel HD Graphics 620	928	567	NA	NA
Intel HD manual-gen9_2015-133271	165	1191	NA	NA
Intel HD Modded	112	1261	NA	NA
Intel HD P3000	347	1030	NA	NA
Intel HD P4000	516	922	NA	NA
Intel HD P4600	604	829	NA	NA
Intel HD P4600/P4700	671	759	NA	NA
Intel HD P530	1063	489	NA	NA
Intel HD P630	1373	393	NA	NA
Intel Infoshock HD	193	1158	NA	NA
Intel Iris 5100	748	685	NA	NA
Intel Iris 540	1343	401	NA	NA
Intel Iris 550	1605	354	NA	NA
Intel Iris 6100	978	541	NA	NA
Intel Iris Plus 640	1414	387	NA	NA
Intel Iris Plus 650	1562	360	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel Iris Plus 655	1960	303	NA	NA
Intel Iris Pro 5200	1173	450	NA	NA
Intel Iris Pro 580	1877	317	NA	NA
Intel Iris Pro Graphics 6200	1543	365	NA	NA
Intel Iris Pro P580	2146	284	NA	NA
Intel Iris Pro P6300	1209	441	NA	NA
Intel Media Accelerator	32	1496	NA	NA
Intel Media Accelerator 3150	3	1677	NA	NA
Intel Media Accelerator 500	3	1664	NA	NA
Intel Media Accelerator 600	6	1587	NA	NA
Intel Media Accelerator HD	116	1247	NA	NA
Intel Q33 Express	10	1569	NA	NA
Intel Q35 Express	10	1571	NA	NA
Intel Q45/Q43 Express Chipset	66	1388	NA	NA
Intel Q45/Q43 Express-Chipsatz	57	1410	NA	NA
Intel Q965/Q963 Express	6	1592	NA	NA
Intel Skylake HD DT GT2	576	859	NA	NA
Intel UHD	1332	403	NA	NA
Intel UHD 600	365	1015	NA	NA
Intel UHD 605	407	991	NA	NA
Intel UHD 610	776	656	NA	NA
Intel UHD 615	773	659	NA	NA
Intel UHD 630	1205	444	NA	NA
Intel UHD Graphics 620	1049	498	NA	NA
Intel UHD P630	1195	446	NA	NA
Intel US15 Embedded Media and Controller	7	1582	NA	NA
ION	97	1300	0.43	\$229.99*
ION LE	97	1299	NA	NA
KB 2C	235	1112	NA	NA
M860G with Mobility Radeon 4100	75	1358	NA	NA
M880G with Mobility Radeon HD 4200	92	1312	NA	NA
M880G with Mobility Radeon HD 4225	71	1367	NA	NA
M880G with Mobility Radeon HD 4250	104	1280	NA	NA
Matrox C420 LP PCIe x16	635	798	NA	NA
Matrox C680 PCIe x16	1977	301	NA	NA
Matrox C900 PCIe x16	1812	322	NA	NA
Matrox G200e WDDM 1.2	59	1404	NA	NA
Matrox G200eh	40	1461	NA	NA
Matrox G200eh WDDM 1.2	51	1422	NA	NA
Matrox G200eR	36	1477	NA	NA
Matrox G200eR WDDM 1.2	67	1380	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Matrox G200eR WDDM 2.0	67	1379	NA	NA
Matrox G200eW	42	1456	NA	NA
Matrox G200eW WDDM 1.2	50	1430	NA	NA
Matrox M9138 LP PCIe x16	32	1498	NA	NA
Matrox M9140 LP PCIe x16	21	1539	NA	NA
Matrox M9148 LP PCIe x16	9	1573	NA	NA
Matrox Millennium P650 PCIe 128	5	1613	NA	NA
Matrox Millennium P690 PCIe x16	10	1572	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Matrox Millennium P690 Plus LP PCIe x16	6	1589	NA	NA
Matrox Parhelia APVe	5	1607	NA	NA
MEDION RADEON X740XL	94	1305	NA	NA
Mobile Intel - famiglia Express Chipset 45	37	1473	NA	NA
Mobile Intel - famiglia Express Chipset serie 4	47	1438	NA	NA
Mobile Intel 4 Express-Chipsatzfamilie	44	1448	NA	NA
Mobile Intel 45 Express	43	1452	NA	NA
Mobile Intel 45 Express-Chipsatzfamilie	117	1245	NA	NA
Mobile Intel 915GM/GMS/910GML Express	4	1634	NA	NA
Mobile Intel 945 Express	4	1630	NA	NA
Mobile Intel 945GM Express	5	1603	NA	NA
Mobile Intel 945GM/GU Express	5	1614	NA	NA
Mobile Intel 965 Express	20	1543	NA	NA
Mobile Intel 965 Express-Chipsatzfamilie	24	1529	NA	NA
Mobile Intel HD	410	990	NA	NA
Mobile Intel serie 4 Express	44	1447	NA	NA
MOBILITY FIREGL T2	40	1462	NA	NA
MOBILITY FIREGL T2/T2e	33	1492	NA	NA
MOBILITY FireGL V3200	62	1399	NA	NA
MOBILITY FireGL V5000	81	1345	NA	NA
MOBILITY FireGL V5200	44	1445	NA	NA
MOBILITY FireGL V5250	27	1513	NA	NA
Mobility FireGL V5725	219	1122	NA	NA
Mobility Radeon 4100	81	1349	NA	NA
MOBILITY RADEON 7000 IGP	6	1594	NA	NA
MOBILITY RADEON 7500	3	1659	NA	NA
MOBILITY RADEON 9000	3	1668	NA	NA
MOBILITY RADEON 9000 IGP	7	1578	NA	NA
MOBILITY RADEON 9000/9100 IGP	5	1606	NA	NA
MOBILITY RADEON 9100 IGP	2	1678	NA	NA
MOBILITY RADEON 9200	3	1676	NA	NA
MOBILITY RADEON 9600 PRO TURBO	24	1526	NA	NA
MOBILITY RADEON 9600/9700	39	1467	NA	NA
MOBILITY RADEON 9700	27	1512	NA	NA
MOBILITY RADEON 9800	46	1442	NA	NA
Mobility Radeon HD 2300	50	1427	NA	NA
Mobility Radeon HD 2400	89	1327	NA	NA
Mobility Radeon HD 2400 XT	101	1285	NA	NA
Mobility Radeon HD 2600	168	1187	NA	NA
Mobility Radeon HD 2600 XT	191	1161	NA	NA
Mobility Radeon HD 3410	62	1395	NA	NA
Mobility Radeon HD 3430	98	1294	NA	NA
Mobility Radeon HD 3450	91	1323	NA	NA
Mobility Radeon HD 3470	93	1309	NA	NA
Mobility Radeon HD 3470 Hybrid X2	93	1308	NA	NA
Mobility Radeon HD 3650	210	1134	NA	NA
Mobility Radeon HD 3670	231	1115	NA	NA
Mobility Radeon HD 3850	365	1013	NA	NA
Mobility Radeon HD 3870	547	891	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Mobility Radeon HD 3870 X2	564	868	NA	NA
Mobility Radeon HD 4200	90	1325	NA	NA
Mobility Radeon HD 4225	66	1389	NA	NA
Mobility Radeon HD 4250	98	1295	NA	NA
Mobility Radeon HD 4270	92	1311	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Mobility Radeon HD 4330	135	1219	NA	NA
Mobility Radeon HD 4350	148	1201	NA	NA
Mobility Radeon HD 4550	191	1162	NA	NA
Mobility Radeon HD 4570	196	1154	NA	NA
Mobility Radeon HD 4650	401	999	NA	NA
Mobility Radeon HD 4670	463	962	NA	NA
Mobility Radeon HD 4830	511	924	NA	NA
Mobility Radeon HD 4850	866	598	NA	NA
Mobility Radeon HD 4870	719	708	NA	NA
Mobility Radeon HD 5000	773	661	NA	NA
Mobility Radeon HD 5000 Serisi	478	948	NA	NA
Mobility Radeon HD 5165	284	1073	NA	NA
Mobility Radeon HD 530v	174	1180	NA	NA
Mobility Radeon HD 540v	188	1166	NA	NA
Mobility Radeon HD 5430	181	1172	NA	NA
Mobility Radeon HD 5450	214	1128	NA	NA
Mobility Radeon HD 545v	199	1150	NA	NA
Mobility Radeon HD 5470	236	1110	NA	NA
Mobility Radeon HD 550v	266	1087	NA	NA
Mobility Radeon HD 5570	715	718	NA	NA
Mobility Radeon HD 560v	318	1049	NA	NA
Mobility Radeon HD 5650	553	881	NA	NA
Mobility Radeon HD 565v	353	1023	NA	NA
Mobility Radeon HD 5730	677	755	NA	NA
Mobility Radeon HD 5850	763	667	NA	NA
Mobility Radeon HD 5870	1246	428	NA	NA
Mobility Radeon HD serie 4200	96	1304	NA	NA
Mobility Radeon X1300	39	1465	NA	NA
Mobility Radeon X1350	39	1464	NA	NA
Mobility Radeon X1400	42	1453	NA	NA
Mobility Radeon X1450	33	1493	NA	NA
Mobility Radeon X1600	92	1315	NA	NA
Mobility Radeon X1700	104	1278	NA	NA
MOBILITY RADEON X1800	130	1225	NA	NA
Mobility Radeon X1900	134	1220	NA	NA
Mobility Radeon X2300	48	1436	NA	NA
Mobility Radeon X2300 HD	48	1435	NA	NA
Mobility Radeon X2500	81	1344	NA	NA
MOBILITY RADEON X300	33	1491	NA	NA
MOBILITY RADEON X600	50	1429	NA	NA
MOBILITY RADEON X600 SE	49	1432	NA	NA
MOBILITY RADEON X700	66	1383	NA	NA
MOBILITY RADEON XPRESS 200	26	1516	NA	NA
Mobility Radeon. HD 5470	215	1127	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
MOBILITY/RADEON 9000	4	1641	NA	NA
MxGPU	1826	321	NA	NA
nForce 750a SLI	83	1339	NA	NA
nForce 760i SLI	140	1210	NA	NA
nForce 780a SLI	92	1316	NA	NA
nForce 980a/780a SLI	81	1346	NA	NA
NVIDIA TITAN X	13665	13	11.39	\$1,200.00*
NVIDIA TITAN Xp	14426	8	8.01	\$1,799.95
NVS 2100M	184	1169	NA	NA
NVS 300	183	1170	1.22	\$149.99
NVS 310	294	1066	3.38	\$87.04*
NVS 3100M	203	1146	NA	NA
NVS 315	347	1029	6.95	\$49.99
NVS 4200M	365	1014	NA	NA
NVS 510	764	666	3.24	\$235.99
NVS 5100M	356	1020	NA	NA
NVS 5200M	663	767	NA	NA
NVS 5400M	786	645	NA	NA
NVS 810	936	564	1.50	\$624.99
OpenXT Display Driver	30	1504	NA	NA



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
PHDGD Ivy 4	374	1008	NA	NA
PHDGD Quantic C3	113	1254	NA	NA
PHDGD Quebec 4.0 for Intel Q45/Q43 Express Chipset	66	1384	NA	NA
PHDGD Sapphire GR for Mobile Intel 965	25	1520	NA	NA
PHDGD Solo 1.2.0 x86	11	1568	NA	NA
PHDGD Solo 2 x64	20	1544	NA	NA
Quadro 1000M	752	681	7.53	\$99.95*
Quadro 1100M	755	678	NA	NA
Quadro 2000	1316	407	10.13	\$129.99
Quadro 2000 D	1239	430	NA	NA
Quadro 2000D	1282	419	15.27	\$83.99*
Quadro 2000M	1038	504	22.29	\$46.56*
Quadro 280 NVS PCIe	5	1604	NA	NA
Quadro 3000M	1461	377	5.87	\$249.00
Quadro 400	237	1109	5.93	\$39.99*
Quadro 4000	2048	293	22.78	\$89.95
Quadro 4000M	1803	326	17.01	\$105.99*
Quadro 410	402	998	4.07	\$99.00
Quadro 5000	2854	234	11.90	\$239.98
Quadro 5000M	2059	290	NA	NA
Quadro 500M	672	758	2.44	\$275.14*
Quadro 5010M	1810	323	7.67	\$235.95*
Quadro 600	698	734	6.35	\$109.98
Quadro 6000	3528	190	0.86	\$4,079.99
Quadro CX	947	558	6.32	\$149.95*
Quadro FX 1000	34	1488	NA	NA
Quadro FX 1100	35	1480	0.17	\$212.99*
Quadro FX 1300	34	1487	NA	NA
Quadro FX 1400	103	1282	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro FX 1500	156	1195	1.36	\$115.01*
Quadro FX 1500M	171	1183	NA	NA
Quadro FX 1600M	214	1129	1.43	\$149.90*
Quadro FX 1700	193	1159	6.44	\$29.99*
Quadro FX 1700M	300	1061	NA	NA
Quadro FX 1800	579	854	5.27	\$109.99*
Quadro FX 1800M	478	950	NA	NA
Quadro FX 2500M	216	1124	2.17	\$99.99*
Quadro FX 2700M	529	913	5.29	\$99.95*
Quadro FX 2800M	657	775	13.17	\$49.95*
Quadro FX 3000	69	1377	0.41	\$166.61*
Quadro FX 3400/4400	104	1279	NA	NA
Quadro FX 3450	148	1199	1.24	\$119.99*
Quadro FX 3450/4000 SDI	134	1222	NA	NA
Quadro FX 350	85	1330	NA	NA
Quadro FX 3500	208	1138	1.60	\$129.98*
Quadro FX 3500M	306	1058	3.06	\$99.99*
Quadro FX 350M	62	1398	NA	NA
Quadro FX 3600M	467	958	NA	NA
Quadro FX 360M	86	1329	NA	NA
Quadro FX 370	83	1338	0.90	\$92.75*
Quadro FX 370 LP	108	1272	NA	NA
Quadro FX 3700	628	805	6.98	\$89.99*
Quadro FX 3700M	633	802	0.69	\$925.00*
Quadro FX 370M	93	1310	NA	NA
Quadro FX 380	148	1200	2.05	\$72.50*
Quadro FX 380 LP	189	1165	NA	NA
Quadro FX 3800	839	609	7.63	\$109.99*
Quadro FX 3800M	803	633	NA	NA
Quadro FX 380M	201	1149	NA	NA
Quadro FX 4500	206	1142	0.90	\$230.33*
Quadro FX 4600	600	833	4.62	\$129.99*
Quadro FX 4700 X2	665	764	NA	NA
Quadro FX 4800	1003	523	6.69	\$149.99

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro FX 500/600 PCI	14	1556	NA	NA
Quadro FX 500/FX 600	7	1579	NA	NA
Quadro FX 540	80	1351	1.35	\$59.99*
Quadro FX 550	63	1392	NA	NA
Quadro FX 5500	240	1108	0.76	\$315.99*
Quadro FX 560	113	1253	0.76	\$150.25*
Quadro FX 5600	681	748	3.79	\$179.99*
Quadro FX 570	115	1249	0.75	\$154.01*
Quadro FX 570M	185	1168	NA	NA
Quadro FX 580	268	1084	3.36	\$80.00*
Quadro FX 5800	1110	476	6.21	\$178.89*
Quadro FX 770M	297	1065	0.56	\$527.00*
Quadro FX 880M	354	1022	NA	NA
Quadro FX Go1400	101	1286	NA	NA
Quadro GP100	12843	18	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro GV100	12699	19	NA	NA
Quadro K1000M	794	639	5.30	\$149.90*
Quadro K1100M	1030	511	9.37	\$110.00*
Quadro K1200	3037	221	8.70	\$349.00
Quadro K2000	1721	335	17.22	\$99.99
Quadro K2000D	1675	341	3.57	\$469.75*
Quadro K2000M	1081	485	14.04	\$77.02*
Quadro K2100M	1330	404	8.32	\$159.95*
Quadro K2200	3585	183	24.07	\$148.99
Quadro K2200M	2755	238	NA	NA
Quadro K3000M	1750	331	11.29	\$155.00*
Quadro K3100M	2062	289	1.03	\$1,999.00*
Quadro K4000	2883	231	15.02	\$191.99
Quadro K4000M	2232	271	NA	NA
Quadro K4100M	2580	249	6.79	\$379.99*
Quadro K420	830	618	18.11	\$45.87*
Quadro K4200	4474	146	15.11	\$296.16
Quadro K5000	4015	170	14.39	\$279.00
Quadro K5000M	2627	245	6.75	\$389.25*
Quadro K5100M	3100	216	10.69	\$289.99*
Quadro K510M	651	781	NA	NA
Quadro K5200	6093	99	18.47	\$329.95
Quadro K600	824	622	9.81	\$84.08
Quadro K6000	7454	86	7.77	\$959.00*
Quadro K610M	762	669	10.17	\$75.00*
Quadro K620	2332	260	14.12	\$165.21
Quadro K620M	912	575	NA	NA
Quadro M1000M	2371	257	11.17	\$212.42*
Quadro M1200	3053	220	NA	NA
Quadro M2000	4272	160	12.60	\$339.00
Quadro M2000M	2886	230	10.31	\$279.95*
Quadro M2200	3580	184	NA	NA
Quadro M3000M	4501	144	NA	NA
Quadro M4000	6662	93	9.66	\$689.98
Quadro M4000M	4794	133	NA	NA
Quadro M5000	8504	66	5.76	\$1,477.00*
Quadro M5000M	5602	112	NA	NA
Quadro M500M	1086	482	NA	NA
Quadro M520	1556	362	NA	NA
Quadro M5500	7915	76	NA	NA
Quadro M6000	9385	52	3.24	\$2,899.00*
Quadro M6000 24GB	10034	46	NA	NA
Quadro M600M	1932	312	18.76	\$102.99*
Quadro M620	2791	236	NA	NA
Quadro NVS 110M	47	1437	NA	NA
Quadro NVS 120M	46	1441	NA	NA
Quadro NVS 130M	59	1402	NA	NA
Quadro NVS 135M	57	1413	NA	NA
Quadro NVS 140M	90	1326	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro NVS 150M	92	1314	NA	NA
Quadro NVS 160M	92	1317	NA	NA
Quadro NVS 210S	23	1530	NA	NA
Quadro NVS 210S / GeForce 6150LE	20	1542	NA	NA
Quadro NVS 280 SD	2	1693	NA	NA
Quadro NVS 285	35	1482	0.95	\$36.85*
Quadro NVS 285 128MB	38	1471	0.70	\$55.00*
Quadro NVS 290	91	1324	2.46	\$37.00
Quadro NVS 295	96	1303	6.92	\$13.99
Quadro NVS 320M	206	1143	NA	NA
Quadro NVS 420	98	1293	1.41	\$69.98
Quadro NVS 440	37	1474	0.27	\$141.45*
Quadro NVS 450	91	1321	0.54	\$168.00*
Quadro NVS 55/280 PCI	6	1597	NA	NA
Quadro P1000	4385	150	13.73	\$319.45
Quadro P2000	7285	88	18.21	\$399.98
Quadro P2000 with Max-Q Design	5298	121	NA	NA
Quadro P3000	5815	107	NA	NA
Quadro P3200	8287	69	NA	NA
Quadro P3200 with Max-Q Design	8572	63	NA	NA
Quadro P400	1501	373	12.83	\$116.99
Quadro P4000	10472	41	13.12	\$798.00
Quadro P4000 with Max-Q Design	9082	57	NA	NA
Quadro P4200	10450	43	NA	NA
Quadro P4200 with Max-Q Design	10710	38	NA	NA
Quadro P500	1663	343	NA	NA
Quadro P5000	10219	45	6.36	\$1,608.00
Quadro P5200	9398	51	NA	NA
Quadro P5200 with Max-Q Design	10459	42	NA	NA
Quadro P600	3156	211	18.57	\$169.99
Quadro P6000	13596	14	3.58	\$3,795.00
Quadro P620	3669	181	20.97	\$174.99
Quadro RTX 4000	13585	15	NA	NA
Quadro RTX 5000	12680	20	NA	NA
Quadro RTX 6000	14773	7	2.35	\$6,300.00*
Quadro RTX 8000	12128	23	NA	NA
Quadro2 Pro	1	1702	NA	NA
Quadro4 380 XGL	6	1590	NA	NA
Quadro4 980 XGL	5	1619	0.01	\$341.43*
Radeon 2100	59	1401	0.52	\$114.99
Radeon 3000	98	1296	1.61	\$60.99*
Radeon 3100	73	1362	0.51	\$144.99
Radeon 520	850	605	NA	NA
Radeon 530	1219	439	NA	NA
Radeon 535	1296	414	NA	NA
Radeon 535DX	1103	479	NA	NA
Radeon 540	1609	352	NA	NA
Radeon 6600M	739	694	NA	NA
RADEON 7000 / RADEON VE Family	3	1652	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
RADEON 7500	3	1671	0.10	\$32.12*
RADEON 7500 Family	4	1625	NA	NA
RADEON 9000 Family	3	1661	NA	NA
RADEON 9100 Family	6	1596	NA	NA
RADEON 9100 IGP	5	1612	NA	NA
RADEON 9200	3	1658	0.09	\$39.95*
RADEON 9200 LE Family	2	1688	NA	NA
RADEON 9200 PRO Family	2	1680	NA	NA
RADEON 9200 SE	2	1690	NA	NA
RADEON 9250	2	1689	0.06	\$42.99*
RADEON 9500	36	1478	0.90	\$40.50*
RADEON 9500 PRO / 9700	41	1458	NA	NA
RADEON 9550	34	1486	1.08	\$31.88*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon 9550 / X1050	29	1510	NA	NA
RADEON 9600 Family	25	1524	NA	NA
RADEON 9600 PRO	42	1454	NA	NA
RADEON 9600 PRO Family	26	1519	NA	NA
RADEON 9600 TX Family	18	1546	NA	NA
RADEON 9600 XT	35	1483	NA	NA
RADEON 9600SE	27	1514	NA	NA
RADEON 9700 PRO	53	1419	NA	NA
RADEON 9800 PRO	59	1403	NA	NA
RADEON 9800 SE	23	1531	NA	NA
RADEON 9800 XT	53	1420	NA	NA
Radeon E	307	1056	7.16	\$42.99
RADEON E4690	405	996	NA	NA
Radeon E6760	973	544	4.06	\$239.99*
Radeon E8860	1577	358	NA	NA
Radeon HD 2350	76	1356	NA	NA
Radeon HD 2400	120	1237	NA	NA
Radeon HD 2400 PCI	14	1557	NA	NA
Radeon HD 2400 Pro	114	1251	NA	NA
Radeon HD 2400 XT	118	1239	NA	NA
Radeon HD 2600 PRO	211	1133	NA	NA
Radeon HD 2600 Pro AGP	110	1267	NA	NA
Radeon HD 2600 XT	282	1074	NA	NA
Radeon HD 2900 GT	292	1069	NA	NA
Radeon HD 2900 PRO	627	806	NA	NA
Radeon HD 2900 XT	659	774	NA	NA
Radeon HD 3200	82	1340	NA	NA
Radeon HD 3300	126	1231	NA	NA
Radeon HD 3450	118	1243	1.62	\$72.99*
Radeon HD 3470	143	1204	NA	NA
Radeon HD 3650 AGP	150	1198	NA	NA
Radeon HD 3670	241	1107	NA	NA
Radeon HD 3850	529	911	NA	NA
Radeon HD 3850 AGP	454	965	NA	NA
Radeon HD 3850 X2	792	642	NA	NA
Radeon HD 3870	717	714	12.37	\$58.00*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 3870 X2	874	594	NA	NA
Radeon HD 4200	111	1262	NA	NA
Radeon HD 4250	122	1236	NA	NA
Radeon HD 4270	111	1264	NA	NA
Radeon HD 4290	140	1207	NA	NA
Radeon HD 4300/4500 Serisi	155	1196	NA	NA
Radeon HD 4330	159	1193	NA	NA
Radeon HD 4350	167	1188	2.74	\$61.10*
Radeon HD 4550	235	1111	1.86	\$126.99*
Radeon HD 4650	334	1038	2.67	\$124.99*
Radeon HD 4650 AGP	207	1140	NA	NA
Radeon HD 4670	544	899	4.95	\$109.99*
Radeon HD 4770	1034	505	NA	NA
Radeon HD 4810	769	662	NA	NA
Radeon HD 4830	949	557	15.82	\$59.99*
Radeon HD 4850	1022	515	11.37	\$89.99*
Radeon HD 4850 X2	1132	465	NA	NA
Radeon HD 4870	1382	391	23.04	\$59.99*
Radeon HD 4870 X2	1309	410	NA	NA
Radeon HD 4890	1541	366	14.02	\$109.99*
Radeon HD 5450	231	1114	1.73	\$133.83
Radeon HD 5470	268	1085	NA	NA
Radeon HD 5550	548	890	9.97	\$54.99*
Radeon HD 5570	715	719	3.76	\$189.99*
Radeon HD 5600/5700	957	552	NA	NA
Radeon HD 5670	1085	483	22.69	\$47.84*
Radeon HD 5750	1450	378	20.90	\$69.41*
Radeon HD 5770	1710	336	14.75	\$115.99*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 5830	2052	292	12.83	\$159.99*
Radeon HD 5850	2280	263	28.51	\$79.99*
Radeon HD 5870	2622	246	26.23	\$99.99*
Radeon HD 5970	2603	248	7.89	\$329.99*
Radeon HD 6230	211	1131	NA	NA
Radeon HD 6250	119	1238	NA	NA
Radeon HD 6290	138	1214	NA	NA
Radeon HD 6290M	140	1209	NA	NA
Radeon HD 6300M	256	1100	NA	NA
Radeon HD 6310	170	1184	NA	NA
Radeon HD 6320	202	1148	0.36	\$554.99*
Radeon HD 6320 Graphic	216	1125	NA	NA
Radeon HD 6320M	198	1152	NA	NA
RADEON HD 6350	211	1132	4.15	\$50.99*
Radeon HD 6370D	307	1057	NA	NA
Radeon HD 6370M	275	1079	NA	NA
Radeon HD 6380G	299	1062	0.75	\$399.99*
Radeon HD 6410D	386	1003	NA	NA
Radeon HD 6430M	192	1160	NA	NA
Radeon HD 6450	276	1078	5.77	\$47.99
Radeon HD 6450A	260	1093	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 6470M	313	1052	0.55	\$569.99*
Radeon HD 6480G	406	993	NA	NA
Radeon HD 6490M	380	1005	0.32	\$1,193.03*
Radeon HD 6520G	486	943	NA	NA
Radeon HD 6530D	513	923	NA	NA
Radeon HD 6550A	707	724	NA	NA
Radeon HD 6550D	643	791	NA	NA
Radeon HD 6570	759	670	15.20	\$49.99*
Radeon HD 6610M	565	867	NA	NA
Radeon HD 6620G	556	874	NA	NA
Radeon HD 6630M	684	745	NA	NA
Radeon HD 6650M	718	711	NA	NA
Radeon HD 6670	1060	492	10.30	\$102.99*
Radeon HD 6670 + 6670 Dual	646	786	NA	NA
Radeon HD 6700M	1015	518	NA	NA
Radeon HD 6750	1317	406	26.35	\$49.99*
Radeon HD 6750M	937	563	NA	NA
Radeon HD 6770	1683	340	21.87	\$76.99*
Radeon HD 6770M	964	548	NA	NA
Radeon HD 6790	2046	294	31.48	\$64.99*
Radeon HD 6800M	987	535	NA	NA
Radeon HD 6850	2290	262	22.91	\$99.99*
Radeon HD 6870	2613	247	29.04	\$89.99*
Radeon HD 6900M	1959	304	NA	NA
Radeon HD 6950	3217	206	35.75	\$89.99*
Radeon HD 6970	3522	191	37.08	\$94.99*
Radeon HD 6970M	2270	266	NA	NA
Radeon HD 6990	2858	233	17.87	\$159.99*
Radeon HD 7290	140	1211	NA	NA
Radeon HD 7290M	123	1235	NA	NA
Radeon HD 7310	171	1182	NA	NA
Radeon HD 7310G	180	1173	NA	NA
Radeon HD 7310M	166	1190	NA	NA
Radeon HD 7340	207	1139	0.38	\$552.69*
Radeon HD 7340G	196	1155	NA	NA
Radeon HD 7340M	221	1119	NA	NA
Radeon HD 7350	279	1075	NA	NA
Radeon HD 7400G	323	1042	NA	NA
Radeon HD 7420G	429	981	NA	NA
Radeon HD 7450	309	1055	3.64	\$84.99*
Radeon HD 7450A	288	1070	NA	NA
Radeon HD 7450M	329	1040	NA	NA
Radeon HD 7470	362	1017	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7470M	407	992	NA	NA
Radeon HD 7480D	428	982	NA	NA
Radeon HD 7500G	412	989	NA	NA
Radeon HD 7500G + 7500M/7600M Dual	616	819	NA	NA
Radeon HD 7500G + 7550M Dual	497	938	NA	NA
Radeon HD 7500G + HD 7500M/7600M Dual	355	1021	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7520G	451	968	NA	NA
Radeon HD 7520G + 7400M Dual	486	942	NA	NA
Radeon HD 7520G + 7600M Dual	591	842	NA	NA
Radeon HD 7520G + 7610M Dual	588	846	NA	NA
Radeon HD 7520G + 7650M Dual	453	966	NA	NA
Radeon HD 7520G + 7670M Dual	523	916	NA	NA
Radeon HD 7520G + 7700M Dual	1060	491	NA	NA
Radeon HD 7520G + 8600/8700M Dual	311	1053	NA	NA
Radeon HD 7520G + HD 7400M Dual	544	900	NA	NA
Radeon HD 7520G + HD 7600M Dual	599	836	NA	NA
Radeon HD 7520G + HD 7670M Dual	548	888	NA	NA
Radeon HD 7520G + HD 8600/8700M Dual	623	810	NA	NA
Radeon HD 7520G + HD 8750M Dual	651	782	NA	NA
Radeon HD 7540D	510	926	NA	NA
Radeon HD 7540D + 6570 Dual	719	709	NA	NA
Radeon HD 7550M	464	960	NA	NA
Radeon HD 7550M/7650M	728	701	NA	NA
Radeon HD 7560D	660	770	NA	NA
Radeon HD 7560D + 6570 Dual	833	615	NA	NA
Radeon HD 7560D + 6670 Dual	1130	466	NA	NA
Radeon HD 7560D + 7560D Dual	982	538	NA	NA
Radeon HD 7560D + 7670 Dual	1426	384	NA	NA
Radeon HD 7560D + HD 7000 Dual	534	906	NA	NA
Radeon HD 7560D + HD 7700 Dual	1346	400	NA	NA
Radeon HD 7560D + R5 235 Dual	563	869	NA	NA
Radeon HD 7570	981	540	NA	NA
Radeon HD 7570M	612	823	NA	NA
Radeon HD 7570M/HD 7670M	699	733	NA	NA
Radeon HD 7580D	350	1027	NA	NA
Radeon HD 7600G	479	947	NA	NA
Radeon HD 7600G + 7450M Dual	389	1002	NA	NA
Radeon HD 7600G + 7500M/7600M Dual	405	994	NA	NA
Radeon HD 7600G + 7550M Dual	423	984	NA	NA
Radeon HD 7600G + 8500M/8700M Dual	469	957	NA	NA
Radeon HD 7600G + HD 7500M/7600M Dual	555	878	NA	NA
Radeon HD 7600G + HD 7550M Dual	509	927	NA	NA
Radeon HD 7600G + HD 8670M Dual	543	901	NA	NA
Radeon HD 7600G + HD Dual	442	973	NA	NA
Radeon HD 7600M + 7600M Dual	773	658	NA	NA
Radeon HD 7610M	632	803	NA	NA
Radeon HD 7620G	483	946	NA	NA
Radeon HD 7620G + 8600M Dual	508	928	NA	NA
Radeon HD 7620G + 8670M Dual	577	858	NA	NA
Radeon HD 7620G + HD 8600M Dual	442	972	NA	NA
Radeon HD 7620G + HD 8670M Dual	507	929	NA	NA
Radeon HD 7640G	614	821	NA	NA
Radeon HD 7640G + 6400M Dual	526	915	NA	NA
Radeon HD 7640G + 7400M Dual	637	794	NA	NA
Radeon HD 7640G + 7470M Dual	598	837	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7640G + 7500/7600 Dual	627	807	NA	NA
Radeon HD 7640G + 7600M Dual	705	726	NA	NA
Radeon HD 7640G + 7610M Dual	510	925	NA	NA
Radeon HD 7640G + 7670M Dual	644	790	NA	NA
Radeon HD 7640G + 7700M Dual	690	738	NA	NA
Radeon HD 7640G + 8500M Dual	585	850	NA	NA
Radeon HD 7640G + 8570M Dual	558	873	NA	NA



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7640G + 8600/8700M Dual	688	741	NA	NA
Radeon HD 7640G + 8670M Dual	558	872	NA	NA
Radeon HD 7640G + 8750M Dual	654	778	NA	NA
Radeon HD 7640G + HD 7400M Dual	621	811	NA	NA
Radeon HD 7640G + HD 7600M Dual	702	729	NA	NA
Radeon HD 7640G + HD 7670M Dual	659	773	NA	NA
Radeon HD 7640G + HD 7700M Dual	589	843	NA	NA
Radeon HD 7640G + HD 8500M Dual	607	827	NA	NA
Radeon HD 7640G + HD 8500M N HD 8500M Dual	665	763	NA	NA
Radeon HD 7640G + HD 8570M Dual	696	736	NA	NA
Radeon HD 7640G + HD 8600/8700M Dual	586	849	NA	NA
Radeon HD 7640G + HD 8750M Dual	992	531	NA	NA
Radeon HD 7640G + R5 M200 Dual	546	895	NA	NA
Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D	824	623	NA	NA
Radeon HD 7640G N HD 7640G + HD 7670M Dual	679	753	NA	NA
Radeon HD 7650A	793	640	3.03	\$262.00*
Radeon HD 7650M	723	704	NA	NA
Radeon HD 7660D	780	650	NA	NA
Radeon HD 7660D + 6570 Dual	1100	480	NA	NA
Radeon HD 7660D + 6670 Dual	1238	433	NA	NA
Radeon HD 7660D + 7470 Dual	465	959	NA	NA
Radeon HD 7660D + 7670 Dual	1061	490	NA	NA
Radeon HD 7660D + HD 6670 Dual	1484	374	NA	NA
Radeon HD 7660D + HD 7000 Dual	633	801	NA	NA
Radeon HD 7660D + HD 7700 Dual	1958	305	NA	NA
Radeon HD 7660D + R7 240 Dual	941	561	NA	NA
Radeon HD 7660G	799	636	NA	NA
Radeon HD 7660G + 7400M Dual	588	847	NA	NA
Radeon HD 7660G + 7470M Dual	630	804	NA	NA
Radeon HD 7660G + 7600M Dual	831	617	NA	NA
Radeon HD 7660G + 7610M Dual	745	688	NA	NA
Radeon HD 7660G + 7670M Dual	743	691	NA	NA
Radeon HD 7660G + 7700M Dual	757	676	NA	NA
Radeon HD 7660G + 7730M Dual	931	565	NA	NA
Radeon HD 7660G + 8600M Dual	445	970	NA	NA
Radeon HD 7660G + 8670M Dual	587	848	NA	NA
Radeon HD 7660G + HD 7500M/7600M Dual	999	526	NA	NA
Radeon HD 7660G + HD 7600M Dual	778	653	NA	NA
Radeon HD 7660G + HD 7670M Dual	706	725	NA	NA
Radeon HD 7660G + HD 7700M Dual	751	682	NA	NA
Radeon HD 7660G + HD 7730M Dual	881	590	NA	NA
Radeon HD 7660G + HD 8670M Dual	711	722	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D	722	705	NA	NA
Radeon HD 7660G N HD 7660G + HD 7670M Dual	704	727	NA	NA
Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D	966	546	NA	NA
Radeon HD 7670	1115	472	NA	NA
Radeon HD 7670A	1050	497	NA	NA
Radeon HD 7670M	812	630	1.29	\$629.99*
Radeon HD 7670M + 7670M Dual	738	695	NA	NA
Radeon HD 7690M	1001	524	NA	NA
Radeon HD 7690M XT	1009	521	NA	NA
Radeon HD 7730	1428	383	28.58	\$49.99*
Radeon HD 7730M	993	529	NA	NA
Radeon HD 7750	1708	337	9.54	\$179.00
Radeon HD 7750M	1191	447	NA	NA
Radeon HD 7770	2221	274	18.51	\$119.99
Radeon HD 7790	3080	218	22.82	\$134.99*
Radeon HD 7850	3844	175	8.55	\$449.59
Radeon HD 7850M	1372	394	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7870	4378	152	8.94	\$489.99
Radeon HD 7870 XT	4470	147	NA	NA
Radeon HD 7870M	1507	370	NA	NA
Radeon HD 7950 / R9 280	4764	134	12.09	\$393.98
Radeon HD 7970 / R9 280X	5247	122	15.21	\$345.00
Radeon HD 7970M	3799	176	NA	NA
Radeon HD 7990	5549	115	4.92	\$1,126.99*
Radeon HD 8180	195	1157	NA	NA
Radeon HD 8210	250	1102	NA	NA
Radeon HD 8240	278	1076	NA	NA
Radeon HD 8250	257	1097	NA	NA
Radeon HD 8280	319	1047	NA	NA
Radeon HD 8280E	321	1045	NA	NA
Radeon HD 8280G	269	1083	NA	NA
Radeon HD 8330	334	1037	NA	NA
Radeon HD 8330E	322	1043	NA	NA
Radeon HD 8350	265	1088	1.89	\$139.99*
Radeon HD 8350G	432	978	NA	NA
Radeon HD 8370D	432	979	NA	NA
Radeon HD 8400	356	1019	NA	NA
Radeon HD 8400E	339	1034	NA	NA
Radeon HD 8410G	435	977	NA	NA
Radeon HD 8450G	412	988	NA	NA
Radeon HD 8450G + 8600M Dual	545	898	NA	NA
Radeon HD 8450G + 8670M Dual	474	952	NA	NA
Radeon HD 8450G + 8750M Dual	637	795	NA	NA
Radeon HD 8450G + HD 8600M Dual	452	967	NA	NA
Radeon HD 8450G + HD 8670M Dual	574	860	NA	NA
Radeon HD 8450G + HD 8750M Dual	483	944	NA	NA
Radeon HD 8470	343	1032	NA	NA
Radeon HD 8470D	521	917	NA	NA
Radeon HD 8470D + 6450 Dual	717	715	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8470D + HD 7500 Dual	1545	364	NA	NA
Radeon HD 8490	378	1006	NA	NA
Radeon HD 8500M	550	884	NA	NA
Radeon HD 8500M/8700M	859	601	NA	NA
Radeon HD 8510G	504	930	NA	NA
Radeon HD 8510G + 8500M Dual	596	838	NA	NA
Radeon HD 8550D	685	744	NA	NA
Radeon HD 8550G	711	721	NA	NA
Radeon HD 8550G + 8500M Dual	602	830	NA	NA
Radeon HD 8550G + 8570M Dual	532	908	NA	NA
Radeon HD 8550G + 8600/8700M Dual	802	635	NA	NA
Radeon HD 8550G + 8600M Dual	617	818	NA	NA
Radeon HD 8550G + 8670M Dual	579	855	NA	NA
Radeon HD 8550G + 8690M Dual	664	766	NA	NA
Radeon HD 8550G + 8750M Dual	795	638	NA	NA
Radeon HD 8550G + HD 7600M Dual	854	602	NA	NA
Radeon HD 8550G + HD 8570M Dual	529	912	NA	NA
Radeon HD 8550G + HD 8600/8700M Dual	813	629	NA	NA
Radeon HD 8550G + HD 8600M Dual	593	840	NA	NA
Radeon HD 8550G + HD 8670M Dual	546	896	NA	NA
Radeon HD 8550G + HD 8750M Dual	819	626	NA	NA
Radeon HD 8550G + R5 M200 Dual	619	816	NA	NA
Radeon HD 8550G + R5 M230 Dual	667	761	NA	NA
Radeon HD 8570	982	539	NA	NA
Radeon HD 8570 + 8670D Dual	620	813	NA	NA
Radeon HD 8570D	680	751	NA	NA
Radeon HD 8570D + 6570 Dual	1239	432	NA	NA
Radeon HD 8570D + HD 6570 Dual	868	597	NA	NA
Radeon HD 8570D + HD 6670 Dual	1260	426	NA	NA
Radeon HD 8570D + HD 7000 Dual	753	680	NA	NA
Radeon HD 8570D + HD 7700 Dual	1834	320	NA	NA
Radeon HD 8570D + HD 8570 Dual	1032	508	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8570D + R7 200 Dual	999	525	NA	NA
Radeon HD 8570D + R7 240 Dual	963	549	NA	NA
Radeon HD 8570M	534	907	NA	NA
Radeon HD 8600/8700M	1033	506	NA	NA
Radeon HD 8610G	549	886	NA	NA
Radeon HD 8610G + 8500M Dual	610	825	NA	NA
Radeon HD 8610G + 8600M Dual	588	845	NA	NA
Radeon HD 8610G + 8670M Dual	599	835	NA	NA
Radeon HD 8610G + HD 8500M Dual	645	788	NA	NA
Radeon HD 8610G + HD 8600M Dual	583	852	NA	NA
Radeon HD 8610G + HD 8670M Dual	577	857	NA	NA
Radeon HD 8610G + R5 M200 Dual	676	756	NA	NA
Radeon HD 8650D	548	889	NA	NA
Radeon HD 8650G	918	572	NA	NA
Radeon HD 8650G + 7600M Dual	741	693	NA	NA
Radeon HD 8650G + 7670M Dual	883	589	NA	NA
Radeon HD 8650G + 8500M Dual	626	808	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8650G + 8570M Dual	654	779	NA	NA
Radeon HD 8650G + 8600/8700M Dual	831	616	NA	NA
Radeon HD 8650G + 8600M Dual	613	822	NA	NA
Radeon HD 8650G + 8670M Dual	634	800	NA	NA
Radeon HD 8650G + 8750M Dual	786	646	NA	NA
Radeon HD 8650G + HD 7600M Dual	819	625	NA	NA
Radeon HD 8650G + HD 7670M Dual	634	799	NA	NA
Radeon HD 8650G + HD 8570M Dual	716	717	NA	NA
Radeon HD 8650G + HD 8600/8700M Dual	765	665	NA	NA
Radeon HD 8650G + HD 8600M Dual	601	831	NA	NA
Radeon HD 8650G + HD 8670M Dual	585	851	NA	NA
Radeon HD 8650G + HD 8750M Dual	778	651	NA	NA
Radeon HD 8650G + R5 M200 Dual	722	706	NA	NA
Radeon HD 8650G + R5 M230 Dual	686	743	NA	NA
Radeon HD 8650G N HD 8650G + HD 8570M Dual	773	660	NA	NA
Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D	679	752	NA	NA
Radeon HD 8670D	782	649	NA	NA
Radeon HD 8670D + 6670 Dual	1361	397	NA	NA
Radeon HD 8670D + 7700 Dual	1788	330	NA	NA
Radeon HD 8670D + HD 6670 Dual	1221	437	NA	NA
Radeon HD 8670D + HD 7000 Dual	718	712	NA	NA
Radeon HD 8670D + R5 235 Dual	836	613	NA	NA
Radeon HD 8670D + R7 200 Dual	949	556	NA	NA
Radeon HD 8670D + R7 240 Dual	1020	516	NA	NA
Radeon HD 8670M	520	918	NA	NA
Radeon HD 8690A	656	776	NA	NA
Radeon HD 8690M	984	537	NA	NA
Radeon HD 8730M	1032	507	NA	NA
Radeon HD 8750M	1058	494	NA	NA
Radeon HD 8790M	1312	409	NA	NA
Radeon HD 8790M / R9 M290X	1236	435	NA	NA
Radeon HD 8850M	973	545	NA	NA
Radeon HD 8850M / R9 M265X	1139	462	NA	NA
Radeon HD 8870M	1638	346	NA	NA
Radeon HD 8870M / R9 M270X / M370X	1799	327	NA	NA
Radeon HD 8950	3068	219	NA	NA
Radeon HD 8970M	3876	174	NA	NA
Radeon HD 8990	4999	131	NA	NA
RADEON HD6370D	320	1046	NA	NA
RADEON HD6410D	422	985	NA	NA
RADEON HD6530D	531	910	NA	NA
Radeon HD7570	1028	512	NA	NA
Radeon HD8490	364	1016	NA	NA
Radeon HD8530M	498	935	NA	NA
Radeon HD8970M	3368	198	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon IGP 320M	3	1660	NA	NA
Radeon IGP 340M	2	1692	NA	NA
RADEON IGP 345M	2	1686	NA	NA
RADEON IGP 350M	6	1598	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon Infoshock 3000	106	1273	NA	NA
Radeon Pro 450	2722	240	NA	NA
Radeon Pro 455	3112	214	NA	NA
Radeon Pro 460	3452	194	NA	NA
Radeon Pro 555	3140	212	NA	NA
Radeon Pro 560	3475	193	NA	NA
Radeon Pro 580	7753	81	NA	NA
Radeon Pro Duo	9439	50	21.02	\$449.00*
Radeon Pro SSG	10535	40	NA	NA
Radeon Pro Vega 20	6290	94	NA	NA
Radeon Pro Vega 56	11950	24	NA	NA
Radeon Pro Vega 64	11455	29	NA	NA
Radeon Pro WX 2100	2227	272	NA	NA
Radeon Pro WX 3100	3376	197	NA	NA
Radeon Pro WX 4100	3969	171	17.26	\$229.99
Radeon Pro WX 4130	2865	232	NA	NA
Radeon Pro WX 4150	3208	207	NA	NA
Radeon Pro WX 5100	5608	111	17.26	\$324.99
Radeon Pro WX 7100	7961	72	16.02	\$496.99
Radeon PRO WX 8200	10925	34	10.78	\$1,013.17
Radeon Pro WX 9100	10797	37	NA	NA
Radeon Pro WX4100	3953	172	NA	NA
Radeon R1E	324	1041	NA	NA
Radeon R2	302	1060	NA	NA
Radeon R2E	257	1098	NA	NA
Radeon R3	370	1009	NA	NA
Radeon R3E	256	1099	NA	NA
Radeon R4	397	1001	NA	NA
Radeon R5 220	233	1113	NA	NA
Radeon R5 230	247	1105	5.80	\$42.57
Radeon R5 235	370	1010	1.43	\$257.99
Radeon R5 235 + HD 7560D Dual	743	690	NA	NA
Radeon R5 235X	367	1011	NA	NA
Radeon R5 240	653	780	18.67	\$35.00
Radeon R5 310	337	1036	0.68	\$499.00
Radeon R5 330	636	796	1.72	\$369.99*
Radeon R5 340	1038	503	NA	NA
Radeon R5 420	757	675	NA	NA
Radeon R5 430	1030	510	NA	NA
Radeon R5 A10-9600P RADEON R5, 10 COMPUTE CORES 4C	808	631	NA	NA
Radeon R5 A10-9620P RADEON R5, 10 COMPUTE CORES 4C	778	652	NA	NA
Radeon R5 A10-9630P RADEON R5, 10 COMPUTE CORES 4C	1463	376	NA	NA
Radeon R5 A6-7480	956	553	NA	NA
Radeon R5 A6-9500 RADEON R5, 8 COMPUTE CORES 2C+6G	985	536	NA	NA
Radeon R5 M230	568	865	NA	NA
Radeon R5 M240	556	875	NA	NA
Radeon R5 M255	758	673	NA	NA
Radeon R5 M315	609	826	NA	NA
Radeon R5 M320	535	905	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R5 M330	595	839	NA	NA
Radeon R5 M335	547	893	NA	NA
Radeon R5 M420	553	880	NA	NA
Radeon R5 M430	655	777	NA	NA
Radeon R5 M435	737	696	NA	NA
Radeon R5 Opteron X3216	438	974	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R5 PRO A10-8730B R5, 10 COMPUTE CORES 4C+6G	819	627	NA	NA
Radeon R5 PRO A6-8530B R5, 6 COMPUTE CORES 2C+4G	689	740	NA	NA
Radeon R5 PRO A6-8570 R5, 8 COMPUTE CORES 2C+6G	1014	520	NA	NA
Radeon R5 PRO A6-8570E R5, 6 COMPUTE CORES 2C+4G	839	610	NA	NA
Radeon R5 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G	1167	451	NA	NA
Radeon R5 PRO A6-9500B R5, 6 COMPUTE CORES 2C+4G	693	737	NA	NA
Radeon R5 PRO A6-9500E R5, 6 COMPUTE CORES 2C+4G	906	579	NA	NA
Radeon R5 PRO A8-9600B R5, 10 COMPUTE CORES 4C+6G	849	606	NA	NA
Radeon R5E	338	1035	NA	NA
Radeon R6	642	792	NA	NA
Radeon R6 + R7 M265DX Dual	570	862	NA	NA
Radeon R6 A10-8700P	682	746	NA	NA
Radeon R6 A8-8600P	501	933	NA	NA
Radeon R6 PRO A10-8700B R6, 10 Compute Cores 4C+6G	578	856	NA	NA
Radeon R6 PRO A8-8600B R6, 10 Compute Cores 4C+6G	581	853	NA	NA
Radeon R7 + HD 7700 Dual	1962	302	NA	NA
Radeon R7 + R5 330 Dual	1028	513	NA	NA
Radeon R7 + R5 435 Dual A10-9700 RADEON	885	588	NA	NA
Radeon R7 + R7 200 Dual	1285	418	NA	NA
Radeon R7 + R7 240 Dual	1045	501	NA	NA
Radeon R7 + R7 350 Dual	1982	300	NA	NA
Radeon R7 240	977	542	19.56	\$49.99
Radeon R7 240 + HD 8570D Dual	917	573	NA	NA
Radeon R7 240 + HD 8670D Dual	930	566	NA	NA
Radeon R7 250	1405	388	18.65	\$75.37
Radeon R7 250X	2268	267	8.70	\$260.70
Radeon R7 260	2891	229	32.13	\$89.99*
Radeon R7 260X	3171	209	14.42	\$220.00*
Radeon R7 340	1041	502	NA	NA
Radeon R7 360	3310	202	22.58	\$146.65*
Radeon R7 370	4640	141	NA	NA
Radeon R7 430	1419	385	7.76	\$183.00
Radeon R7 450	2195	275	24.40	\$89.99*
Radeon R7 A10 Extreme Edition	790	643	NA	NA
Radeon R7 A10 PRO-7800B	675	757	NA	NA
Radeon R7 A10 PRO-7850B	962	551	NA	NA
Radeon R7 A10-7700K	901	582	NA	NA
Radeon R7 A10-7800	887	587	NA	NA
Radeon R7 A10-7850K	1018	517	NA	NA
Radeon R7 A10-7860K	988	533	NA	NA
Radeon R7 A10-7870K	1125	467	NA	NA
Radeon R7 A10-7890K	1158	457	NA	NA
Radeon R7 A10-8750	990	532	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 A10-8850	1107	477	NA	NA
Radeon R7 A10-9700 RADEON	1202	445	NA	NA
Radeon R7 A10-9700E RADEON	1105	478	NA	NA
Radeon R7 A12-9700P RADEON	750	683	NA	NA
Radeon R7 A12-9720P RADEON	937	562	NA	NA
Radeon R7 A12-9730P RADEON	910	578	NA	NA
Radeon R7 A12-9800 RADEON	1237	434	NA	NA
Radeon R7 A12-9800E RADEON	1185	448	NA	NA
Radeon R7 A265	987	534	NA	NA
Radeon R7 A370	1281	421	NA	NA
Radeon R7 A8 PRO-7600B	726	703	NA	NA
Radeon R7 A8-7500	1027	514	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 A8-7500 Radeon R7, 10 Compute Cores 4C+6	853	603	NA	NA
Radeon R7 A8-7600	925	568	NA	NA
Radeon R7 A8-7650K	866	600	NA	NA
Radeon R7 A8-7670K	852	604	NA	NA
Radeon R7 A8-8650	910	577	NA	NA
Radeon R7 A8-9600 RADEON	1078	487	NA	NA
Radeon R7 FX-8800P	866	599	NA	NA
Radeon R7 FX-9800P RADEON	844	607	1.59	\$530.00*
Radeon R7 FX-9830P RADEON	1793	329	NA	NA
Radeon R7 M260	680	750	0.85	\$799.00*
Radeon R7 M260DX	489	941	NA	NA
Radeon R7 M260X	1115	473	NA	NA
Radeon R7 M265	825	621	NA	NA
Radeon R7 M270	759	671	NA	NA
Radeon R7 M340	757	674	NA	NA
Radeon R7 M350	1250	427	NA	NA
Radeon R7 M360	720	707	NA	NA
Radeon R7 M365X	904	580	NA	NA
Radeon R7 M370	1434	382	NA	NA
Radeon R7 M440	964	547	NA	NA
Radeon R7 M445	1067	488	NA	NA
Radeon R7 M460	1156	459	NA	NA
Radeon R7 M465	1306	411	NA	NA
Radeon R7 M465X	2057	291	NA	NA
Radeon R7 Opteron X3421	1048	500	NA	NA
Radeon R7 PRO A10-8750B	954	554	NA	NA
Radeon R7 PRO A10-8770	1319	405	NA	NA
Radeon R7 PRO A10-8770E	1147	460	NA	NA
Radeon R7 PRO A10-8850B	945	560	NA	NA
Radeon R7 PRO A10-9700	1367	395	NA	NA
Radeon R7 PRO A10-9700B	1082	484	NA	NA
Radeon R7 PRO A10-9700E	1142	461	NA	NA
Radeon R7 PRO A12-8800B	753	679	NA	NA
Radeon R7 PRO A12-8830B	945	559	NA	NA
Radeon R7 PRO A12-8870	1375	392	NA	NA
Radeon R7 PRO A12-8870E	1160	456	NA	NA
Radeon R7 PRO A12-9800	1346	399	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 PRO A12-9800B	793	641	NA	NA
Radeon R7 PRO A12-9800E	1014	519	NA	NA
Radeon R7 PRO A6-9500 R5, 8 COMPUTE CORES 2C+6G	789	644	NA	NA
Radeon R7 PRO A8-8650B	823	624	NA	NA
Radeon R7 PRO A8-9600	1049	499	NA	NA
Radeon R8 M445DX	686	742	NA	NA
Radeon R9 255	1805	325	5.25	\$344.16*
Radeon R9 260	3018	223	NA	NA
Radeon R9 270 / R7 370	4260	161	26.03	\$163.71
Radeon R9 270X	4693	138	15.70	\$299.00
Radeon R9 280	5376	118	NA	NA
Radeon R9 280X	5844	105	NA	NA
Radeon R9 285 / 380	5552	114	17.91	\$310.00
Radeon R9 290 / 390	7142	90	14.31	\$499.00
Radeon R9 290X / 390X	7436	87	10.79	\$688.88
Radeon R9 295X2	7770	79	7.06	\$1,099.99*
Radeon R9 350	2235	270	53.63	\$41.69
Radeon R9 360	3031	222	5.84	\$519.00*
Radeon R9 370	4722	136	NA	NA
Radeon R9 380	6135	98	23.15	\$264.99*
Radeon R9 380X	6211	96	13.96	\$445.00
Radeon R9 390	8087	71	NA	NA
Radeon R9 390X	8517	65	NA	NA
Radeon R9 Fury	9163	55	22.91	\$399.99*
Radeon R9 Fury + Fury X	8488	67	21.22	\$399.99*



Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R9 M265X	1267	425	NA	NA
Radeon R9 M270X	1417	386	NA	NA
Radeon R9 M275	1114	474	1.59	\$699.99*
Radeon R9 M275X / M375	1523	369	NA	NA
Radeon R9 M290X	4015	169	NA	NA
Radeon R9 M295X	5150	126	NA	NA
Radeon R9 M360	2038	296	NA	NA
Radeon R9 M370X	1936	309	NA	NA
Radeon R9 M375	1239	431	NA	NA
Radeon R9 M375X	2069	288	NA	NA
Radeon R9 M380	3101	215	NA	NA
Radeon R9 M390X	4356	155	NA	NA
Radeon R9 M395	5022	129	NA	NA
Radeon R9 M395X	5757	108	NA	NA
Radeon R9 M470	2435	254	NA	NA
Radeon R9 M470X	3563	185	NA	NA
Radeon RX 460	4331	156	57.76	\$75.00
Radeon RX 470	7634	84	23.86	\$320.00*
Radeon RX 480	8126	70	45.40	\$179.00
Radeon RX 540	2469	251	NA	NA
Radeon RX 550	3444	195	49.22	\$69.99
Radeon RX 560	4365	153	43.66	\$99.99
Radeon RX 570	6865	92	52.81	\$129.99
Radeon RX 580	8458	68	49.76	\$169.99
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon RX 580 2048SP	8543	64	NA	NA
Radeon RX 590	9319	53	44.38	\$209.99
Radeon RX Vega 10	1441	380	NA	NA
Radeon RX Vega 11	2273	265	NA	NA
Radeon RX Vega 56	11794	26	39.58	\$297.99
Radeon RX Vega 64	11845	25	29.61	\$399.99
Radeon RX Vega 8	1795	328	NA	NA
Radeon RX Vega M GH	7003	91	NA	NA
Radeon RX Vega M GL	5198	125	NA	NA
Radeon TM R9 A360	2148	282	NA	NA
Radeon Vega 10	1891	315	NA	NA
Radeon Vega 10 Mobile	1623	349	NA	NA
Radeon Vega 3	1117	471	1.86	\$599.97*
Radeon Vega 3 Mobile	1122	469	NA	NA
Radeon Vega 6	1606	353	0.89	\$1,799.99
Radeon Vega 8	1738	332	NA	NA
Radeon Vega 8 Mobile	1642	345	NA	NA
Radeon Vega Frontier Edition	11006	32	18.34	\$599.99*
Radeon VII	13810	12	20.31	\$679.99
Radeon X1050	49	1433	NA	NA
Radeon X1200	32	1497	NA	NA
Radeon X1250	37	1476	NA	NA
Radeon X1270	31	1503	NA	NA
Radeon X1300	58	1409	0.57	\$101.99*
Radeon X1300 PRO	84	1332	NA	NA
Radeon X1550	66	1387	0.59	\$113.00*
Radeon X1550 64-bit	47	1439	NA	NA
Radeon X1600	49	1431	NA	NA
Radeon X1600 Pro	98	1292	NA	NA
Radeon X1600 Pro / X1300XT	69	1375	NA	NA
Radeon X1600 XT	115	1248	NA	NA
Radeon X1650 GTO	74	1360	NA	NA
Radeon X1650 Pro	84	1337	0.52	\$160.89*
Radeon X1650 SE	71	1369	NA	NA
Radeon X1700 Targa Edition	116	1246	NA	NA
Radeon X1800 GTO	140	1208	NA	NA
Radeon X1900 CrossFire Edition	137	1216	NA	NA
Radeon X1900 GT	145	1203	NA	NA
Radeon X1950 CrossFire Edition	151	1197	NA	NA
Radeon X1950 GT	106	1274	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon X1950 Pro	113	1256	NA	NA
RADEON X300SE	38	1472	NA	NA
RADEON X550	50	1426	NA	NA
RADEON X550XT	56	1417	NA	NA
Radeon X550XTX	70	1370	NA	NA
RADEON X600 256MB HyperMemory	56	1415	NA	NA
RADEON X600XT	91	1318	NA	NA
RADEON X700	72	1365	NA	NA
RADEON X700 PRO	75	1357	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
RADEON X700 SE	71	1368	NA	NA
RADEON X800 GT	84	1336	NA	NA
RADEON X800 GTO	76	1355	NA	NA
RADEON X800 PRO	64	1391	NA	NA
RADEON X800 PRO/GTO	73	1363	NA	NA
RADEON X800 XL	69	1374	NA	NA
RADEON X800 XT	97	1302	NA	NA
RADEON X800GT	79	1354	NA	NA
RADEON X850 PRO	72	1364	NA	NA
RADEON X850 XT	81	1350	NA	NA
RADEON X850 XT Platinum Edition	81	1342	NA	NA
Radeon Xpress 1100	34	1490	NA	NA
Radeon Xpress 1150	29	1507	NA	NA
Radeon Xpress 1200	35	1481	NA	NA
Radeon Xpress 1250	42	1455	NA	NA
Radeon Xpress 1270	26	1518	NA	NA
RADEON XPRESS 200	29	1508	NA	NA
RADEON XPRESS 200M	22	1535	NA	NA
RadeonT R5 430	1123	468	NA	NA
RadeonT R7 450	2185	280	NA	NA
RAGE 128 PRO AGP 4X TMDS	1	1701	NA	NA
Rage Fury Pro/Xpert 2000 Pro	3	1673	NA	NA
Red Hat QXL controller	31	1500	NA	NA
RGH Drivers v3	11	1567	NA	NA
RIVA TNT2 Model 64/Model 64 Pro	3	1654	NA	NA
RIVA TNT2/TNT2 Pro	3	1665	NA	NA
RV530 PRO	118	1241	NA	NA
RX 560X	3553	186	NA	NA
Ryzen 5 2500U with Radeon Vega	1503	372	NA	NA
Ryzen 7 2700U with Radeon Vega	1617	350	NA	NA
S3 Chrome 430 ULP	39	1466	NA	NA
S3 Chrome S25 DDR2	18	1545	NA	NA
S3 ProSavageDDR	1	1699	NA	NA
SAPPHIRE RADEON 9600 ATLANTIS	47	1440	NA	NA
SAPPHIRE Radeon X1550	61	1400	NA	NA
Sapphire RADEON X800 GT	112	1258	NA	NA
Sherry 1.3 for GMA 3150	1	1696	NA	NA
Sherry 1.3.2 beta for 945 chipsets	3	1655	NA	NA
SiS 630/730	1	1700	NA	NA
SiS 650_651_M650_M652_740	3	1662	NA	NA
SiS 651	2	1681	NA	NA
SiS 661FX	3	1653	NA	NA
SiS 661FX/GX Mirage	4	1644	NA	NA
SiS 661FX_760_741_M661FX_M760_M741	4	1636	NA	NA
SiS 741	4	1635	NA	NA
SiS 760	5	1618	NA	NA
SiS M661MX	4	1645	NA	NA
SiS M760GX	3	1651	NA	NA
SiS Mirage	4	1640	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
SiS Mirage 3	2	1695	NA	NA
SUMO 9640	650	783	NA	NA
SUMO 964A	497	937	NA	NA
TENSOR 1.0 Driver Intel HD 630	1299	413	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Tesla C2050	3515	192	NA	NA
Tesla C2050 / C2070	3428	196	NA	NA
Tesla C2070	3274	203	NA	NA
Tesla C2075	3364	199	1.48	\$2,269.99*
Tesla M10	3248	204	NA	NA
Tesla M60	7701	82	NA	NA
TITAN RTX	16988	1	6.80	\$2,499.99
TITAN V	15072	5	4.71	\$3,199.00
TITAN V CEO Edition	16987	2	NA	NA
TITAN Xp COLLECTORS EDITION	15042	6	NA	NA
TRINITY DEVASTATOR MOBILE	699	732	NA	NA
TRINITY SCRAPPER MOBILE	498	936	NA	NA
Vanta/Vanta LT	3	1675	NA	NA
VIA Chrome9 HC IGP	4	1638	NA	NA
VIA Chrome9 HC IGP Family	3	1649	NA	NA
VIA Chrome9 HC IGP Family WDDM	3	1663	NA	NA
VIA Chrome9 HC IGP Prerelease WDDM 1.1	2	1684	NA	NA
VIA Chrome9 HC IGP WDDM	2	1683	NA	NA
VIA Chrome9 HC IGP WDDM 1.1	2	1682	NA	NA
VIA Chrome9 HCM IGP	1	1697	NA	NA
VIA Chrome9 HD IGP	10	1570	NA	NA
VIA/S3G Chrome 645/640 GPU	109	1270	NA	NA
VIA/S3G DeltaChrome IGP	3	1667	NA	NA
VIA/S3G KM400/KN400	4	1643	NA	NA
VIA/S3G UniChrome IGP	4	1637	NA	NA
VIA/S3G UniChrome Pro IGP	4	1624	NA	NA
VIA/S3G UniChromell	5	1600	NA	NA
VirtualBox Adapter for Windows 8+	375	1007	NA	NA
Wine Display Adapter	261	1092	NA	NA
Xabre	5	1616	NA	NA
XFX Radeon HD 4650 AGP	109	1268	NA	NA

\* - Last price seen from our affiliates.

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