



Videocard Benchmarks

Over 1,000,000 Video Cards Benchmarked

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.


 VIDEO CARD

 High End

High Mid Range


Low Mid Range


Low End

 Best Value


Common

Market Share (30 Days)

 Compare ⁰

 Video Card Mega List

Search Model

 GPU Compute Video Card Chart

Power Performance Video Card Chart

2D Graphics Video Card List

Single Video Card

Find Videocard

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
3DP Edition	826	977	0.71	\$1,159.99*
9xx Soldiers sans frontiers Sigma 2	21	2073	NA	NA
15FF	8229	167	NA	NA
64MB DDR GeForce3 Ti 200	5	2145	NA	NA
64MB GeForce2 MX with TV Out	2	2242	NA	NA
128 DDR Radeon 9700 TX w/TV-Out	44	1967	NA	NA
128 DDR Radeon 9800 Pro	62	1908	NA	NA
128MB DDR Radeon 9800 Pro	66	1897	NA	NA
128MB RADEON X600 SE	49	1947	0.87	\$56.18*
256MB DDR Radeon 9800 XT	37	1994	NA	NA
256MB RADEON X600	67	1891	0.42	\$160.49*
7900 MOD - Radeon HD 6520G	610	1173	NA	NA
7900 MOD - Radeon HD 6550D	892	922	NA	NA
A6 Micro-6500T Quad-Core APU with RadeonR4	220	1558	NA	NA
A10-8700P	513	1284	NA	NA
A10G	18723	28	NA	NA
A16	5797	-1	NA	NA
A40	1625	-1	NA	NA

<u>ABIT Siluro T400</u>	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>ALL-IN-WONDER 9800</u>	23	2067	NA	NA
<u>ALL-IN-WONDER RADEON 8500DV</u>	5	2149	NA	NA
<u>ALL-IN-WONDER X800 GT</u>	84	1829	NA	NA
<u>All-in-Wonder X1800XL</u>	30	2036	NA	NA

<u>All-in-Wonder X1900</u>	127	1696	NA	NA
<u>AMIGAMERLIN 3.1-R1 For Voodoo 4 4500 PCI</u>	3	2222	NA	NA
<u>ASUS A7000</u>	9	2109	NA	NA
<u>ASUS AGP-V3800PRO v31.40H</u>	4	2183	NA	NA
<u>ASUS EAH4870x2</u>	496	1303	NA	NA
<u>Asus GTX 650 FML II EC-EGPU</u>	720	1066	NA	NA
<u>ASUS V9520-X V62.11</u>	7	2120	NA	NA
<u>B8DKMDAP</u>	4557	273	NA	NA
<u>Barco MXRT 1450</u>	205	1579	NA	NA
<u>Barco MXRT 2600</u>	900	918	<u>4.52</u>	<u>\$199.00*</u>
<u>Barco MXRT 5400</u>	1161	769	<u>5.72</u>	<u>\$203.00*</u>
<u>Barco MXRT 5450</u>	1079	805	<u>5.40</u>	<u>\$199.99*</u>
<u>Barco MXRT 5500</u>	2701	408	<u>9.04</u>	<u>\$299.00*</u>
<u>Barco MXRT 5600</u>	2465	451	<u>3.50</u>	<u>\$704.00*</u>
<u>Barco MXRT 7100</u>	180	1610	NA	NA
<u>Barco MXRT 7400</u>	900	917	<u>9.10</u>	<u>\$99.00*</u>
<u>Barco MXRT 7500</u>	4319	287	<u>14.45</u>	<u>\$299.00*</u>
<u>Barco MXRT 7600</u>	4943	259	<u>8.20</u>	<u>\$602.59*</u>
<u>BASICDISPLAY</u>	69	1880	NA	NA
<u>CARRIZO 9874</u>	246	-1	NA	NA
<u>Citrix Indirect Display Adapter</u>	4446	281	NA	NA
<u>CONNECT 3D RADEON X300</u>	36	1999	NA	NA
<u>Custom GPU 0405</u>	2606	426	NA	NA
<u>Dell 8100</u>	2	2248	<u>0.00</u>	<u>\$999.11*</u>
<u>Dell 8200</u>	4	2185	NA	NA
<u>Diamond X1300-PCIE 256MB</u>	70	1878	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>EAH5450</u>	134	1681	<u>1.22</u>	<u>\$109.99*</u>



EG PARK	Passmark G3D Mark <small>(Lower is better)</small>	-1 Rank <small>(lower is better)</small>	NA Videocard Value <small>(Higher is better)</small>	NA Price <small>(USD)</small>
Videocard Name FireGL V8600 MFDLXN511 P	141	958	NA	NA
Extreme AX850 PRO	120	1715	NA	NA
Familia Intel Q33 Express Chipset	10	2106	NA	NA
Famille de jeu de puces Express Intel 946GZ	7	2123	NA	NA
FireGL T2-128	30	2033	NA	NA
FireGL V3100	52	1930	NA	NA
FireGL V3200	84	1826	NA	NA
FireGL V3300	70	1877	NA	NA
FireGL V3350	68	1885	NA	NA
FireGL V3400	103	1777	NA	NA
FireGL V3600	179	1611	1.12	\$160.99*
FireGL V5100	92	1807	0.81	\$114.96*
FireGL V5200	114	1737	0.86	\$133.40*
FireGL V5600	341	1445	1.52	\$225.00*
FireGL V7100	71	1870	0.22	\$328.67*
FireGL V7200	116	1729	NA	NA
FireGL V7300	128	1692	0.11	\$1,189.99*
FireGL V7350	110	1751	0.93	\$119.42*
FireGL V7600	615	1168	NA	NA
FireGL V7700	660	1119	9.43	\$69.99*
FireGL V8600	838	963	NA	NA
FireGL V8650	550	1244	1.84	\$298.99*
FireGL X1	59	1916	NA	NA
FireMV 2200 PCI	1	2265	NA	NA
FireMV 2200 PCIe	36	2001	0.40	\$89.99*
FireMV 2250	45	1958	0.44	\$104.00*
FireMV 2260	117	1724	1.33	\$88.08*
FireMV 2400 PCIe	11	2101	NA	NA
FireMV 2450	73	1863	NA	NA
FirePro 3D V3700	178	1613	2.10	\$84.99*
FirePro 3D V3750	341	1444	6.71	\$50.88*
FirePro 3D V3800	472	1327	3.15	\$149.99*
FirePro 3D V4800	853	954	5.33	\$159.99*

FirePro 3D V5700	Passmark G3D Mark	1249 Rank	7.74 Videocard Value	\$319.99* Price
Videocard Name	Mark	(lower is better)	Value	(USD)
	(higher is better)		(higher is better)	
FirePro 3D V7800	1867	574	3.11	\$599.99*
FirePro 3D V8700	1206	748	7.09	\$170.07*
FirePro 3D V8750	1271	724	1.03	\$1,230.99*

FirePro 3D V8800	2437	454	5.74	\$424.99*
FirePro 3D V9800	2811	394	1.13	\$2,499.00*
FirePro 2260	112	1742	NA	NA
FirePro 2270	147	1647	1.10	\$134.00*
FirePro 2450	51	1938	0.57	\$89.99*
FirePro 2460	170	1624	2.03	\$83.99*
FirePro M2000	408	1391	NA	NA
Videocard Name	Passmark G3D Mark	Rank	Videocard Value	Price
	(higher is better)	(lower is better)	(higher is better)	(USD)
FirePro M4000	1601	637	21.99	\$72.83*
FirePro M4000 Mobility Pro	1591	640	NA	NA
Firepro M4100	1059	817	NA	NA
FirePro M4150	962	874	NA	NA
FirePro M4170	1067	811	NA	NA
FirePro M5100	2102	515	NA	NA
FirePro M5100 FireGL V	1839	580	NA	NA
FirePro M5950	1314	711	NA	NA
FirePro M6000	1820	585	5.58	\$325.99*
FirePro M6000 Mobility Pro	1708	617	NA	NA
FirePro M6100	1947	557	NA	NA
FirePro M6100 FireGL V	2656	417	NA	NA
FirePro M7740	665	1111	NA	NA
FirePro M40003	1364	696	NA	NA
FirePro R5000	2646	418	24.06	\$109.99*
FirePro RG220	335	1452	0.52	\$650.18*
FirePro S7000	4166	295	16.90	\$246.54*
FirePro S7150	6276	214	3.70	\$1,697.99*
FirePro S9000	5059	254	NA	NA
FirePro S9050	4901	261	NA	NA
FirePro S10000	5315	242	NA	NA

FirePro V3800 Videocard Name	Passmark G3D Mark (higher is better)	Rank 1454 (lower is better)	Videocard Value (higher is better)	Price \$124.99* (USD)
FirePro V4900	976	866	6.51	\$149.99*
FirePro V5700	464	1340	2.47	\$188.06*
FirePro V5800	1185	759	22.37	\$53.00*
FirePro V5900	1264	725	14.71	\$86.00*
FirePro V7000	3161	362	NA	NA
FirePro V7800	2033	524	10.70	\$190.00*
FirePro V7900	2309	473	12.16	\$190.00*
FirePro V8700	1538	657	9.75	\$157.88*
FirePro V8800	2223	493	11.23	\$198.00*
FirePro V9800	2726	403	5.75	\$474.00*
FirePro W600	1751	608	4.22	\$414.99*
FirePro W2100	891	923	15.10	\$59.00*
FirePro W4100	1530	660	8.32	\$184.00*
FirePro W4170M	956	877	NA	NA
Firepro W4190M	1096	796	NA	NA
FirePro W4300	2803	396	11.68	\$239.99*
FirePro W5000	3055	374	16.61	\$184.00*
FirePro W5100	2956	383	23.46	\$125.99*
FirePro W5130M	1360	698	NA	NA
Firepro W5170M	1620	629	NA	NA
FirePro W6150M	1515	662	NA	NA
FirePro W7000	4298	290	15.46	\$278.05*
FirePro W7000 Adapter	4339	284	NA	NA
FirePro W7100	5175	249	13.29	\$389.30*
FirePro W7170M	3161	363	NA	NA
FirePro W8000	4137	297	7.22	\$573.00*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FirePro W8100	7313	193	10.39	\$704.00*
FirePro W9000	6138	218	7.26	\$845.00*
FirePro W9100	7719	184	4.46	\$1,729.99*
FireStream 9170	647	1131	NA	NA
FireStream 9250	1164	766	NA	NA
FireStream 9270	1341	704	NA	NA

<u>FireStream 9370</u> Videocard Name	Passmark G3D Mark (higher is	Rank 443 (lower is	Videocard Value (higher is	Price (USD)
<u>GeForce2 Go</u>	4	2189	NA	NA
<u>GeForce2 GTS/GeForce2 Pro</u>	3	2194	NA	NA
<u>GeForce2 Integrated GPU</u>	4	2184	NA	NA
<u>GeForce2 MX</u>	2	2234	NA	NA
<u>GeForce2 MX 100/200</u>	3	2218	NA	NA
<u>GeForce2 MX with DVI-D and TV-out</u>	4	2167	NA	NA
<u>GeForce2 MX/MX 400</u>	3	2196	NA	NA
<u>GeForce2 Ti</u>	4	2176	NA	NA
<u>GeForce2 Ultra</u>	6	2134	NA	NA
<u>GeForce3</u>	4	2164	NA	NA
<u>GeForce3 Ti 200</u>	4	2191	NA	NA
<u>GeForce3 Ti 500</u>	2	2244	NA	NA
<u>GeForce4 420 Go</u>	3	2215	NA	NA
<u>GeForce4 420 Go 32M</u>	5	2154	NA	NA
<u>GeForce4 440</u>	4	2161	NA	NA
<u>GeForce4 440 Go</u>	3	2202	NA	NA
<u>GeForce4 440 Go 64M</u>	5	2140	NA	NA
<u>GeForce4 448 Go</u>	5	2151	NA	NA
<u>GeForce4 4200 Go</u>	3	2195	NA	NA
<u>GeForce4 MX 420</u>	4	2168	NA	NA
<u>GeForce4 MX 440</u>	4	2179	NA	NA
<u>GeForce4 MX 440 with AGP8X</u>	4	2165	NA	NA
<u>GeForce4 MX 440SE</u>	4	2178	NA	NA
<u>GeForce4 MX 460</u>	4	2188	NA	NA
<u>GeForce4 MX 4000</u>	4	2182	NA	NA
<u>GeForce4 MX Integrated GPU</u>	6	2132	NA	NA
<u>GeForce4 Ti 4200</u>	5	2150	NA	NA
<u>GeForce4 Ti 4400</u>	7	2125	NA	NA
<u>GeForce4 Ti 4600</u>	5	2152	0.10	\$53.99*
<u>GeForce4 Ti 4800</u>	5	2142	NA	NA
<u>GeForce4 Ti 4800 SE</u>	6	2128	NA	NA
<u>GeForce9400M</u>	105	1767	NA	NA
<u>GeForce 205</u>	126	1699	NA	NA

<u>GeForce 210</u>	Passmark G3D Mark (higher is better)	1795 Rank (lower is better)	<u>77</u> Videocard Value (higher is better)	<u>\$54.92*</u> Price (USD)
<u>Videocard Name</u>				
<u>GeForce 305M</u>	150	1641	NA	NA
<u>GeForce 310</u>	119	1717	<u>1.11</u>	<u>\$108.35*</u>
<u>GeForce 310M</u>	110	1752	NA	NA

<u>GeForce 315</u>	159	1630	<u>4.83</u>	<u>\$32.99*</u>
<u>GeForce 315M</u>	116	1730	NA	NA
<u>Videocard Name</u>	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>GeForce 320M</u>	218	1561	NA	NA
<u>GeForce 405</u>	120	1713	<u>4.90</u>	<u>\$24.64*</u>
<u>GeForce 410M</u>	247	1534	NA	NA
<u>GeForce 505</u>	147	1648	<u>1.28</u>	<u>\$115.06*</u>
<u>GeForce 510</u>	256	1526	<u>3.67</u>	<u>\$69.99*</u>
<u>GeForce 605</u>	304	1479	<u>2.23</u>	<u>\$136.83*</u>
<u>GeForce 610M</u>	293	1490	NA	NA
<u>GeForce 615</u>	551	1242	NA	NA
<u>GeForce 705M</u>	455	1348	NA	NA
<u>GeForce 710A</u>	486	1313	NA	NA
<u>GeForce 710M</u>	449	1357	NA	NA
<u>GeForce 720A</u>	662	1115	NA	NA
<u>GeForce 730A</u>	769	1020	NA	NA
<u>GeForce 770M</u>	3245	355	<u>18.34</u>	<u>\$176.99*</u>
<u>GeForce 800A</u>	428	1377	NA	NA
<u>GeForce 800M</u>	468	1333	NA	NA
<u>GeForce 810A</u>	622	1158	NA	NA
<u>GeForce 810M</u>	409	1390	NA	NA
<u>GeForce 820A</u>	568	1226	NA	NA
<u>GeForce 820M</u>	509	1289	NA	NA
<u>GeForce 825M</u>	768	1022	NA	NA
<u>GeForce 830A</u>	1004	847	NA	NA
<u>GeForce 830M</u>	978	863	NA	NA
<u>GeForce 840A</u>	1179	761	NA	NA
<u>GeForce 840M</u>	1066	813	NA	NA
<u>GeForce 845M</u>	1464	677	NA	NA

GeForce 910M Videocard Name	Passmark G3D Mark (higher is better)	Rank 1209 (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 920M	726	1061	NA	NA
GeForce 920MX	1082	802	NA	NA
GeForce 930A	1081	803	NA	NA
GeForce 930M	1007	845	NA	NA
GeForce 930MX	1299	720	NA	NA
GeForce 940A	1144	774	NA	NA
GeForce 940M	1107	789	NA	NA
GeForce 940MX	1507	664	NA	NA
GeForce 945A	1852	576	NA	NA
GeForce 945M	1944	558	NA	NA
GeForce 999 GTX	83	1834	NA	NA
GeForce 6100	27	2045	NA	NA
GeForce 6100 nForce 400	25	2054	NA	NA
GeForce 6100 nForce 405	24	2056	NA	NA
GeForce 6100 nForce 420	25	2053	NA	NA
GeForce 6100 nForce 430	23	2069	NA	NA
GeForce 6150	21	2072	0.07	\$329.00*
GeForce 6150 LE	33	2020	NA	NA
GeForce 6150SE	24	2059	NA	NA
GeForce 6150SE nForce 430	29	2038	NA	NA
GeForce 6200	35	2005	0.35	\$99.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce 6200 A-LE	32	2028	NA	NA
GeForce 6200 LE	28	2041	0.69	\$41.24*
GeForce 6200 TurboCache	49	1945	NA	NA
GeForce 6200A	3	2205	0.07	\$54.99*
GeForce 6200SE TurboCache	37	1997	NA	NA
GeForce 6500	38	1990	NA	NA
GeForce 6600	87	1822	0.33	\$264.00*
GeForce 6600 GT	137	1671	2.11	\$64.95*
GeForce 6600 LE	51	1937	NA	NA
GeForce 6610 XL	88	1821	NA	NA
GeForce 6700 XL	95	1798	NA	NA

GeForce 6800 Videocard Name	Passmark G3D Mark (higher is	Rank 1743 (lower is	Videocard Value (higher is	\$559.29* (USD)
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<u>GeForce 6800 GS/XT</u>	102	1779	NA	NA
<u>GeForce 6800 GT</u>	142	1655	NA	NA
<u>GeForce 6800 LE</u>	109	1756	NA	NA
<u>GeForce 6800 Ultra</u>	138	1666	NA	NA

<u>GeForce 6800 XE</u>	58	1917	NA	NA
<u>GeForce 6800 XT</u>	128	1693	NA	NA
<u>GeForce 7000M</u>	13	2095	NA	NA
<u>GeForce 7000M / nForce 610M</u>	12	2096	NA	NA
<u>GeForce 7025 / nForce 630a</u>	34	2016	NA	NA
<u>GeForce 7050 / nForce 610i</u>	24	2061	NA	NA
<u>GeForce 7050 / nForce 620i</u>	39	1987	NA	NA
<u>GeForce 7050 / nForce 630i</u>	37	1993	NA	NA
<u>GeForce 7050 PV / nForce 630a</u>	30	2034	NA	NA
<u>GeForce 7100 / nForce 620i</u>	26	2049	NA	NA
<u>GeForce 7100 / nForce 630i</u>	35	2006	NA	NA
<u>GeForce 7100 GS</u>	51	1934	NA	NA
<u>GeForce 7150 / nForce 630i</u>	33	2023	NA	NA
<u>GeForce 7150M / nForce 630M</u>	18	2081	NA	NA
<u>GeForce 7200 GS</u>	23	2068	NA	NA
<u>GeForce 7300 GS</u>	81	1843	NA	NA
<u>GeForce 7300 GT</u>	135	1675	<u>0.90</u>	<u>\$149.99*</u>
<u>GeForce 7300 LE</u>	81	1850	<u>2.53</u>	<u>\$32.00*</u>
<u>GeForce 7300 SE</u>	39	1986	NA	NA
<u>GeForce 7300 SE/7200 GS</u>	48	1951	NA	NA
<u>GeForce 7350 LE</u>	74	1862	NA	NA
<u>GeForce 7500 LE</u>	89	1819	NA	NA
<u>GeForce 7600 GS</u>	157	1631	<u>0.90</u>	<u>\$175.00*</u>
<u>GeForce 7600 GT</u>	202	1583	<u>1.02</u>	<u>\$199.00*</u>
<u>GeForce 7650 GS</u>	134	1683	NA	NA
<u>GeForce 7800 GS</u>	177	1614	NA	NA
<u>GeForce 7800 GT</u>	244	1537	<u>3.05</u>	<u>\$80.00*</u>
<u>GeForce 7800 GTX</u>	290	1495	<u>4.06</u>	<u>\$71.60*</u>
<u>GeForce 7900 GS</u>	253	1529	NA	NA

GeForce 7900 GT	Passmark G3D Mark 3D	1523 Rank	Videocard Value	\$199.00*
Videocard Name	Mark	(lower is better)	Value	Price (USD)
GeForce 7900 GT	344	1443	1.69	\$203.99*
GeForce 7950 GX2	201	1584	3.67	\$54.99*

GeForce 7950 Xtreme	287	1498	NA	NA
GeForce 8100 / nForce 720a	79	1853	NA	NA
GeForce 8200	153	1638	NA	NA
GeForce 8200M G	71	1871	NA	NA
GeForce 8300	101	1783	4.48	\$22.68*
GeForce 8300 GS	66	1893	NA	NA
GeForce 8400	81	1846	0.14	\$589.99*
GeForce 8400 GS	128	1691	1.50	\$85.97*
GeForce 8400 SE	68	1887	NA	NA
GeForce 8400M G	58	1918	NA	NA
GeForce 8400M GS	98	1790	1.25	\$78.20*
GeForce 8400M GT	63	1902	NA	NA
GeForce 8500 GT	115	1732	NA	NA
GeForce 8600 GS	91	1812	NA	NA
GeForce 8600 GT	117	1723	0.60	\$196.00*
GeForce 8600 GTS	161	1629	0.67	\$241.99*
GeForce 8600M GS	73	1865	NA	NA
GeForce 8600M GT	89	1820	0.82	\$108.10*
GeForce 8700M GT	124	1702	NA	NA
GeForce 8800 GS	332	1455	NA	NA
GeForce 8800 GT	516	1281	7.38	\$69.99*
GeForce 8800 GTS	458	1347	5.73	\$79.99*
GeForce 8800 GTS 512	591	1192	NA	NA
GeForce 8800 GTX	597	1186	4.98	\$119.99*
GeForce 8800 Ultra	642	1136	NA	NA
GeForce 8800M GTS	382	1412	NA	NA
GeForce 8800M GTX	462	1343	NA	NA
GeForce 9100	81	1839	NA	NA
GeForce 9100M G	74	1861	NA	NA

<u>GeForce 9200</u>	Passmark G3D Mark (higher is better)	1622 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
<u>GeForce 9300</u>	126	1697	2.15	\$59.00*
<u>GeForce 9300 / nForce 730i</u>	128	1690	NA	NA
<u>GeForce 9300 GE</u>	84	1831	3.66	\$22.99*

<u>GeForce 9300 GS</u>	111	1750	1.85	\$59.95*
<u>GeForce 9300 SE</u>	81	1844	NA	NA
<u>GeForce 9300GE</u>	97	1792	1.01	\$97.20*
<u>GeForce 9300M G</u>	84	1828	NA	NA
<u>GeForce 9300M GS</u>	92	1811	2.12	\$43.42*
<u>GeForce 9400</u>	106	1763	NA	NA
<u>GeForce 9400 GT</u>	104	1769	0.65	\$159.99*
<u>GeForce 9400M</u>	74	1859	NA	NA
<u>GeForce 9400M G</u>	67	1890	NA	NA
<u>GeForce 9450</u>	104	1768	NA	NA
<u>GeForce 9500 GS</u>	156	1633	NA	NA
<u>GeForce 9500 GT</u>	134	1682	1.56	\$85.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>GeForce 9500M</u>	103	1775	1.02	\$101.20*
<u>GeForce 9500M G</u>	121	1711	NA	NA
<u>GeForce 9500M GS</u>	103	1774	NA	NA
<u>GeForce 9600 GS</u>	281	1506	NA	NA
<u>GeForce 9600 GSO</u>	349	1441	6.99	\$49.99*
<u>GeForce 9600 GSO 512</u>	345	1442	NA	NA
<u>GeForce 9600 GT</u>	502	1297	7.74	\$64.99*
<u>GeForce 9600M GS</u>	119	1718	NA	NA
<u>GeForce 9600M GT</u>	131	1685	1.68	\$78.20*
<u>GeForce 9600M GT / GeForce GT 220M</u>	293	1491	NA	NA
<u>GeForce 9650M GS</u>	270	1511	NA	NA
<u>GeForce 9650M GT</u>	137	1673	1.17	\$117.30*
<u>GeForce 9700M GT</u>	216	1564	NA	NA
<u>GeForce 9700M GTS</u>	325	1463	NA	NA
<u>GeForce 9800 GT</u>	479	1318	6.39	\$74.99*
<u>GeForce 9800 GT 1024MB</u>	134	1680	NA	NA

<u>GeForce 9800 GTX</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1021 (lower is better)	Videocard Value (higher is better)	Price \$74.99* (USD)
<u>GeForce 9800 GTX/9800 GTX+</u>	604	1180	6.72	\$89.99*
<u>GeForce 9800 GX2</u>	797	996	4.09	\$195.00*
<u>GeForce 9800 S</u>	635	1140	NA	NA
<u>GeForce 9800M GS</u>	460	1345	NA	NA
<u>GeForce 9800M GT</u>	381	1413	NA	NA
<u>GeForce 9800M GTS</u>	378	1415	NA	NA
<u>GeForce 9800M GTX</u>	461	1344	1.41	\$328.50*
<u>GeForce FX 5100</u>	7	2119	NA	NA
<u>GeForce FX 5200</u>	7	2122	0.06	\$129.00*
<u>GeForce FX 5200 Ultra</u>	12	2099	NA	NA
<u>GeForce FX 5200LE</u>	7	2126	0.16	\$42.99*
<u>GeForce FX 5200SE</u>	11	2100	NA	NA
<u>GeForce FX 5500</u>	8	2114	0.05	\$153.97*
<u>GeForce FX 5600</u>	12	2097	NA	NA
<u>GeForce FX 5600 Ultra</u>	17	2087	NA	NA
<u>GeForce FX 5600XT</u>	9	2110	NA	NA
<u>GeForce FX 5700</u>	40	1975	NA	NA
<u>GeForce FX 5700 Ultra</u>	34	2013	NA	NA
<u>GeForce FX 5700LE</u>	24	2060	NA	NA
<u>GeForce FX 5700VE</u>	33	2022	NA	NA
<u>GeForce FX 5900</u>	34	2010	NA	NA
<u>GeForce FX 5900 Ultra</u>	41	1973	NA	NA
<u>GeForce FX 5900XT</u>	40	1979	NA	NA
<u>GeForce FX 5900ZT</u>	32	2025	NA	NA
<u>GeForce FX 5950 Ultra</u>	59	1915	NA	NA
<u>GeForce FX Go5300</u>	12	2098	NA	NA
<u>GeForce FX Go5650</u>	16	2088	NA	NA
<u>GeForce FX Go5700</u>	51	1936	NA	NA
<u>GeForce FX Go 5200</u>	8	2112	NA	NA
<u>GeForce FX Go 5600</u>	17	2085	NA	NA
<u>GeForce G100</u>	137	1670	6.88	\$19.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>GeForce G102M</u>	133	1684	NA	NA

GeForce G105M Videocard Name	Passmark G3D Mark (higher is	Rank 1765 (lower is	Videocard Value (higher is	Price (USD)
GeForce G205M	91	1814	NA	NA
GeForce G210	102	1780	0.84	\$122.12*
GeForce G210M	121	1710	NA	NA
GeForce G 103M	61	1909	NA	NA
GeForce G 105M	65	1899	NA	NA
GeForce Go 6100	17	2084	NA	NA
GeForce Go 6150	19	2077	NA	NA
GeForce Go 6200	15	2091	NA	NA
GeForce Go 6400	24	2062	NA	NA
GeForce Go 6600	69	1881	NA	NA
GeForce Go 6600 TE/6200 TE	44	1963	NA	NA
GeForce Go 6800	106	1766	NA	NA
GeForce Go 6800 Ultra	137	1669	NA	NA
GeForce Go 7200	45	1960	NA	NA
GeForce Go 7300	52	1932	NA	NA
GeForce Go 7400	65	1898	NA	NA
GeForce Go 7600	127	1694	NA	NA
GeForce Go 7600 GT	210	1572	NA	NA
GeForce Go 7700	147	1646	NA	NA
GeForce Go 7800	114	1735	NA	NA
GeForce Go 7800 GTX	209	1573	NA	NA
GeForce Go 7900 GS	176	1615	NA	NA
GeForce Go 7900 GTX	270	1510	NA	NA
GeForce Go 7950 GTX	263	1519	NA	NA
GeForce GPU	1233	741	NA	NA
GeForce GT625M	493	1305	NA	NA
GeForce GT 120	174	1617	5.82	\$29.99*
GeForce GT 120 / 9500 GT	324	1464	NA	NA
GeForce GT 120M	265	1517	NA	NA
GeForce GT 130	381	1414	2.52	\$151.34*
GeForce GT 130M	146	1652	NA	NA
GeForce GT 140	657	1121	NA	NA
GeForce GT 220	211	1569	5.30	\$39.99*

GeForce GT 220M	Passmark G3D Mark (higher is better)	1712 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
GeForce GT 230M	548	1246	3.41	\$160.97*
GeForce GT 240	205	1580	NA	NA
GeForce GT 240M	448	1358	13.73	\$32.69*

GeForce GT 320M	106	1761	NA	NA
GeForce GT 325M	170	1621	NA	NA
GeForce GT 330	421	1383	10.55	\$39.99*
GeForce GT 330M	209	1574	NA	NA
GeForce GT 335M	399	1402	NA	NA
GeForce GT 340	774	1015	14.62	\$52.99*
GeForce GT 415	247	1533	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 415M	286	1501	NA	NA
GeForce GT 420	410	1389	2.65	\$155.00*
GeForce GT 420M	418	1386	NA	NA
GeForce GT 425M	516	1282	NA	NA
GeForce GT 430	600	1184	4.29	\$139.99*
GeForce GT 435M	521	1274	NA	NA
GeForce GT 440	776	1012	3.45	\$225.00*
GeForce GT 445M	880	932	NA	NA
GeForce GT 520	298	1486	0.98	\$304.00*
GeForce GT 520M	287	1497	9.61	\$29.95*
GeForce GT 520MX	290	1494	NA	NA
GeForce GT 525M	462	1342	NA	NA
GeForce GT 530	675	1104	13.78	\$49.00*
GeForce GT 540M	490	1306	5.58	\$87.95*
GeForce GT 545	1095	798	19.71	\$55.59*
GeForce GT 550M	583	1205	NA	NA
GeForce GT 555M	669	1109	3.78	\$177.20*
GeForce GT 610	302	1482	2.16	\$139.99*
GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT 730M	368	1422	NA	NA
GeForce GT 620	363	1429	2.36	\$154.00*

GeForce GT 620M	432	1374	NA	NA
Videocard Name	Passmark G3D Mark	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 625	446	1446	NA	NA

GeForce GT 630	687	1088	4.68	\$147.01*
GeForce GT 630M	544	1253	NA	NA
GeForce GT 635	833	968	12.46	\$66.94*
GeForce GT 635M	563	1232	NA	NA

GeForce GT 640	1189	758	10.81	\$109.99*
GeForce GT 640M	912	910	NA	NA
GeForce GT 640M LE	673	1105	0.79	\$849.99*
GeForce GT 645	2005	539	NA	NA
GeForce GT 645M	949	885	NA	NA
GeForce GT 650M	1199	754	NA	NA
GeForce GT 705	354	1437	1.20	\$296.76*
GeForce GT 710	637	1138	6.19	\$102.99*
GeForce GT 710M	443	1365	NA	NA
GeForce GT 720	610	1172	6.11	\$99.99*
GeForce GT 720A	600	1183	NA	NA
GeForce GT 720M	465	1336	NA	NA
GeForce GT 730	817	986	7.43	\$109.99*
GeForce GT 730A	742	1052	NA	NA
GeForce GT 730M	817	985	NA	NA
GeForce GT 735M	589	1195	NA	NA
GeForce GT 740	1544	654	6.52	\$236.99*
GeForce GT 740A	701	1081	NA	NA
GeForce GT 740M	780	1006	NA	NA
GeForce GT 745A	1144	775	NA	NA
GeForce GT 745M	1055	818	NA	NA
GeForce GT 750M	1311	712	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GT 755M	1599	638	NA	NA
GeForce GT 820M	601	1182	NA	NA
GeForce GT 1030	2535	439	23.05	\$109.99
GeForce GTS 150M	504	1295	NA	NA
GeForce GTS 160M	678	1097	NA	NA
GeForce GTS 240	589	1194	9.07	\$64.99*

<u>GeForce GTS 250</u> Videocard Name	Passmark G3D Mark (higher is	Rank 1159 (lower is	Videocard Value (higher is	Price \$88.99* (USD)
<u>GeForce GTS 350M</u>	407	1392	NA	NA
<u>GeForce GTS 360M</u>	664	1113	NA	NA
<u>GeForce GTS 450</u>	1325	707	16.57	\$79.99*
<u>GeForce GTX 260</u>	1220	746	15.25	\$79.99*
<u>GeForce GTX 260M</u>	411	1388	NA	NA
<u>GeForce GTX 275</u>	1400	688	3.24	\$431.72*
<u>GeForce GTX 280</u>	1181	760	2.26	\$522.78*
<u>GeForce GTX 280M</u>	621	1161	NA	NA
<u>GeForce GTX 285</u>	1539	656	12.83	\$119.99*
<u>GeForce GTX 285M</u>	675	1102	NA	NA
<u>GeForce GTX 295</u>	1170	762	7.32	\$159.99*
<u>GeForce GTX 460</u>	2289	480	25.44	\$89.99*
<u>GeForce GTX 460 SE</u>	1966	549	12.29	\$159.99*
<u>GeForce GTX 460 v2</u>	2004	540	10.02	\$199.99*
<u>GeForce GTX 460M</u>	1201	753	NA	NA
<u>GeForce GTX 465</u>	2681	412	13.75	\$195.00*
<u>GeForce GTX 470</u>	3153	364	52.57	\$59.99*
<u>GeForce GTX 470M</u>	1953	555	NA	NA
<u>GeForce GTX 480</u>	4116	299	24.22	\$169.99*
<u>GeForce GTX 480M</u>	2050	523	NA	NA
<u>GeForce GTX 485M</u>	2359	465	NA	NA
<u>GeForce GTX 550 Ti</u>	1547	652	15.48	\$99.99*
<u>GeForce GTX 555</u>	1807	589	NA	NA
<u>GeForce GTX 560</u>	2705	407	13.20	\$205.00*
<u>GeForce GTX 560 SE</u>	2006	538	22.29	\$89.99*
<u>GeForce GTX 560 Ti</u>	3066	373	23.59	\$129.99*
<u>GeForce GTX 560M</u>	1255	730	NA	NA
<u>GeForce GTX 570</u>	3905	306	26.04	\$149.99*
<u>GeForce GTX 570M</u>	1909	564	NA	NA
<u>GeForce GTX 580</u>	4509	275	32.23	\$139.92*
<u>GeForce GTX 580M</u>	2074	519	8.34	\$248.68*
<u>GeForce GTX 590</u>	3366	345	7.74	\$435.00*
<u>GeForce GTX 645</u>	1855	575	NA	NA

GeForce GTX 650	3763	603	26.63	\$109.98*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 650 Ti	4000	302	23.82	\$167.95*
GeForce GTX 660	4363	283	30.30	\$144.00*
GeForce GTX 660M	1417	684	17.95	\$78.99*

GeForce GTX 670	5292	243	27.29	\$193.98*
GeForce GTX 670M	1769	600	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 670MX	1874	572	NA	NA
GeForce GTX 675M	1934	560	NA	NA
GeForce GTX 675MX	2338	470	NA	NA
GeForce GTX 680	5561	235	13.94	\$399.00*
GeForce GTX 680M	3115	368	22.91	\$135.99*
GeForce GTX 680M KY_Bullet Edition	3568	328	NA	NA
GeForce GTX 680MX	4270	292	NA	NA
GeForce GTX 690	5619	233	20.00	\$280.99*
GeForce GTX 745	2171	504	7.62	\$284.95*
GeForce GTX 750	3388	341	42.36	\$79.99*
GeForce GTX 750 Ti	3916	305	44.44	\$88.11*
GeForce GTX 760	4767	265	32.00	\$149.00*
GeForce GTX 760 Ti	5205	248	17.50	\$297.50*
GeForce GTX 760 Ti OEM	5427	239	NA	NA
GeForce GTX 760A	1059	816	NA	NA
GeForce GTX 760M	1676	621	NA	NA
GeForce GTX 765M	1970	548	10.58	\$186.30*
GeForce GTX 770	5892	224	23.66	\$249.00*
GeForce GTX 770M	2778	399	20.14	\$138.00*
GeForce GTX 775M	4179	294	NA	NA
GeForce GTX 780	8035	172	28.70	\$279.99*
GeForce GTX 780 Ti	9363	138	27.54	\$339.99*
GeForce GTX 780M	3769	318	7.56	\$499.00*
GeForce GTX 850A	1049	821	NA	NA
GeForce GTX 850M	2557	434	NA	NA
GeForce GTX 850M - MODDED	1091	800	NA	NA

<u>GeForce GTX 860M</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 377 (lower is better)	Videocard Value (higher is better)	Price \$114.00* (USD)
<u>GeForce GTX 880M</u>	3840	313	NA	NA
<u>GeForce GTX 950</u>	5392	240	37.98	\$141.99*
<u>GeForce GTX 950A</u>	2483	449	NA	NA
<u>GeForce GTX 950M</u>	2595	430	4.58	\$567.00*
<u>GeForce GTX 960</u>	6034	220	35.09	\$172.00*
<u>GeForce GTX 960A</u>	2410	458	NA	NA
<u>GeForce GTX 960M</u>	3412	338	2.92	\$1,169.00*
<u>GeForce GTX 965M</u>	3811	315	NA	NA
<u>GeForce GTX 970</u>	9673	130	40.65	\$237.99*
<u>GeForce GTX 970M</u>	5762	228	27.44	\$209.99*
<u>GeForce GTX 970XM FORCE</u>	6706	204	NA	NA
<u>GeForce GTX 980</u>	11245	105	45.46	\$247.35*
<u>GeForce GTX 980 Ti</u>	13874	73	27.75	\$500.05
<u>GeForce GTX 980M</u>	7282	194	25.11	\$289.99*
<u>GeForce GTX 1050</u>	5080	253	25.41	\$199.92
<u>GeForce GTX 1050 (Mobile)</u>	4461	279	NA	NA
<u>GeForce GTX 1050 Ti</u>	6306	212	33.19	\$189.99
<u>GeForce GTX 1050 Ti (Mobile)</u>	5918	223	NA	NA
<u>GeForce GTX 1050 Ti with Max-Q Design</u>	5781	227	NA	NA
<u>GeForce GTX 1050 with Max-Q Design</u>	3866	310	NA	NA
<u>GeForce GTX 1060</u>	10066	123	35.95	\$279.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>GeForce GTX 1060 3GB</u>	9738	129	36.07	\$269.99*
<u>GeForce GTX 1060 5GB</u>	8999	149	18.44	\$487.99*
<u>GeForce GTX 1060 (Mobile)</u>	8160	168	NA	NA
<u>GeForce GTX 1060 with Max-Q Design</u>	7855	176	NA	NA
<u>GeForce GTX 1070</u>	13485	78	39.37	\$342.55*
<u>GeForce GTX 1070 (Mobile)</u>	10465	113	NA	NA
<u>GeForce GTX 1070 Ti</u>	14530	67	37.35	\$389.00*
<u>GeForce GTX 1070 with Max-Q Design</u>	9442	136	NA	NA
<u>GeForce GTX 1080</u>	15288	56	34.53	\$442.79*
<u>GeForce GTX 1080 Ti</u>	18324	32	37.87	\$483.82*
<u>GeForce GTX 1080 with Max-Q Design</u>	10174	119	NA	NA

<u>GeForce GTX 1650</u> Videocard Name	Passmark G3D Mark (higher is	Rank 178 (lower is	Videocard Value (higher is	Price \$202.25 (USD)
<u>GeForce GTX 1650 SUPER</u>	10046	124	22.78	\$441.05*
<u>GeForce GTX 1650 Ti</u>	7512	187	NA	NA
<u>GeForce GTX 1650 with Max-Q Design</u>	5923	222	NA	NA
<u>GeForce GTX 1660</u>	11705	99	46.82	\$249.99
<u>GeForce GTX 1660 SUPER</u>	12758	87	47.88	\$266.46
<u>GeForce GTX 1660 Ti</u>	11798	98	34.70	\$339.99
<u>GeForce GTX 1660 Ti (Mobile)</u>	10176	118	NA	NA
<u>GeForce GTX 1660 Ti with Max-Q Design</u>	8619	158	NA	NA
<u>GeForce GTX Titan</u>	8380	164	11.25	\$745.00*
<u>GeForce GTX TITAN Black</u>	9140	145	17.41	\$524.99*
<u>GeForce GTX TITAN X</u>	13278	79	12.10	\$1,096.99*
<u>GeForce GTX TITAN Z</u>	9188	142	6.07	\$1,515.00*
<u>GeForce MX110</u>	1469	675	NA	NA
<u>GeForce MX130</u>	1885	570	NA	NA
<u>GeForce MX150</u>	2307	475	38.92	\$59.29*
<u>GeForce MX230</u>	1869	573	NA	NA
<u>GeForce MX250</u>	2502	446	NA	NA
<u>GeForce MX330</u>	2534	440	NA	NA
<u>GeForce MX350</u>	2854	388	NA	NA
<u>GeForce MX450</u>	3759	320	NA	NA
<u>GeForce MX550</u>	4894	262	NA	NA
<u>GeForce MX570</u>	7060	198	NA	NA
<u>GeForce PCX 5300</u>	6	2136	NA	NA
<u>GeForce PCX 5750</u>	34	2008	NA	NA
<u>GeForce PCX 5900</u>	34	2014	NA	NA
<u>GeForce RTX 2050</u>	5749	229	NA	NA
<u>GeForce RTX 2060</u>	13976	70	43.57	\$320.80
<u>GeForce RTX 2060 (Mobile)</u>	11354	103	NA	NA
<u>GeForce RTX 2060 SUPER</u>	16506	45	47.16	\$349.99
<u>GeForce RTX 2070</u>	16089	49	25.64	\$627.44*
<u>GeForce RTX 2070 (Mobile)</u>	12354	91	NA	NA
<u>GeForce RTX 2070 SUPER</u>	18195	34	36.39	\$499.99*
<u>GeForce RTX 2070 with Max-Q Design</u>	11178	107	NA	NA



GeForce RTX 2080	Passmark G3D 21808	29 Rank (lower is better)	Videocard Value 21.84 (higher is better)	\$633.03*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce RTX 2080 Ti	21808	13	21.84	\$998.59*
GeForce RTX 2080 with Max-Q Design	12321	92	5.87	\$2,099.99*
GeForce RTX 3050	12794	86	NA	NA
GeForce RTX 3050 Laptop GPU	9052	147	28.29	\$319.99
GeForce RTX 3050 Ti Laptop GPU	9610	132	NA	NA
GeForce RTX 3060	16997	36	51.67	\$329.00*
GeForce RTX 3060 Laptop GPU	12799	85	33.25	\$384.99
GeForce RTX 3060 Ti	20341	16	39.12	\$519.99
GeForce RTX 3070	22185	11	38.25	\$579.99
GeForce RTX 3070 Laptop GPU	15241	57	NA	NA
GeForce RTX 3070 Ti	23554	10	34.16	\$689.61
GeForce RTX 3070 Ti Laptop GPU	18691	31	NA	NA
GeForce RTX 3080	25073	6	31.34	\$799.99
GeForce RTX 3080 Laptop GPU	16574	44	NA	NA
GeForce RTX 3080 Ti	27145	3	25.85	\$1,049.99
GeForce RTX 3080 Ti Laptop GPU	20209	17	NA	NA
GeForce RTX 3090	26543	4	20.43	\$1,299.00
GeForce RTX 3090 Ti	30208	1	17.77	\$1,699.99
GF117	554	1240	NA	NA
GIGABYTE RADEON 9600 PRO	39	1985	NA	NA
Gigabyte RADEON X300	40	1974	NA	NA
GRID K1	810	990	2.05	\$395.00*
GRID K2	2736	402	0.61	\$4,449.99
GRID K120Q	293	1489	NA	NA
GRID K140Q	727	1060	NA	NA
GRID K160Q	628	1149	NA	NA
GRID K180Q	533	1263	NA	NA
GRID K220Q	912	912	NA	NA
GRID K240Q	2541	437	NA	NA
GRID K260Q	2949	384	NA	NA
GRID K280Q	2839	392	NA	NA

GRID K520	Passmark G3D Mark 3399 (higher is better)	Rank 340 (lower is better)	Videocard Value 2266 (higher is better)	\$149.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GRID M6-8Q	3568	329	NA	NA
GRID M10-0Q	913	909	NA	NA
GRID M10-1B	2309	474	NA	NA
GRID M10-1Q	3351	347	NA	NA
GRID M10-2B	2416	457	NA	NA
GRID M10-4Q	3223	356	NA	NA
GRID M10-8Q	2606	427	NA	NA
GRID M60-0B	1838	581	NA	NA
GRID M60-0Q	827	976	NA	NA
GRID M60-1B	4456	280	NA	NA
GRID M60-1Q	4680	271	NA	NA
GRID M60-2Q	5291	244	NA	NA
GRID M60-4Q	3188	358	NA	NA
GRID M60-8A	5523	237	NA	NA
GRID M60-8Q	3883	308	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GRID P6-2Q	4000	301	NA	NA
GRID P6-4Q	4429	282	NA	NA
GRID P40-2B	3354	346	NA	NA
GRID P40-2Q	4287	291	NA	NA
GRID P40-3Q	681	1092	NA	NA
GRID P40-4Q	777	1008	NA	NA
GRID P40-24Q	4727	268	NA	NA
GRID P100-1B	2223	494	NA	NA
GRID P100-8Q	3841	312	NA	NA
GRID P100-16Q	5944	221	NA	NA
GRID V100-8Q	16	2089	NA	NA
GRID V100D-8Q	4155	296	NA	NA
GT 430	223	1553	1.56	\$142.88*
HD6450	220	1557	2.04	\$108.20*
HIS DIGITAL HD 4650 AGP	452	1352	NA	NA
IGP 340M	1	2259	NA	NA

Incredible HD Videocard Name	Passmark G3D Mark (higher is better)	Rank 1408 (lower is better)	Videocard Value (higher is better)	Price (USD)
Incredible HD 4000	517	1280	NA	NA
Incredible HD 4600	749	1041	NA	NA
Intel 2nd Generation SandyBridge HD	185	1604	NA	NA
Intel 2nd Generation SandyBridge HD 3000	205	1581	NA	NA
Intel 4th Generation Haswell HD	419	1385	NA	NA
Intel 865 Embedded Controller	3	2204	NA	NA
Intel 915G,910G Express	4	2193	NA	NA
Intel 915G/915GV/910GL Embedded Controller Function 0	4	2174	NA	NA
Intel 945G Embedded Chipset Function 0	4	2181	NA	NA
Intel 946GZ Embedded Chipset Function 0	3	2219	NA	NA
Intel 946GZ Express	3	2214	NA	NA
Intel 82845G Controller	2	2250	NA	NA
Intel 82845G/GL Controller	2	2239	NA	NA
Intel 82845G/GL/GE/PE/GV Controller	2	2229	NA	NA
Intel 82852/82855 GM/GME Controller	1	2262	NA	NA
Intel 82865G Controller	4	2172	NA	NA
Intel 82915G Express	5	2146	NA	NA
Intel 82915G/915GV/910GL	3	2203	NA	NA
Intel 82915G/GV/910GL Advanced v3.5	2	2238	NA	NA
Intel 82915G/GV/910GL Express	3	2224	NA	NA
Intel 82945G Express	14	2093	NA	NA
Intel 82945G Express-Chipsatzfamilie	8	2117	NA	NA
Intel - Express Chipset G41	56	1925	NA	NA
Intel - Express Chipset Q45/Q43	57	1920	NA	NA
Intel B43 Express Chipset	68	1886	NA	NA
Intel Coffee Lake UHD	1158	771	NA	NA
Intel Extreme Controller	1	2253	NA	NA
Intel G33/G31 Express	83	1833	NA	NA
Intel G35 Express	3090	371	NA	NA
Intel G41 Express Chipset	82	1838	NA	NA
Intel G41 Express-Chipsatz	57	1922	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

<u>Intel G45/G43 Express Chipset</u>	74	1860	NA	NA
<u>Videocard Name</u>	<u>Passmark G3D</u>	<u>Rank</u>	<u>Videocard</u>	<u>Price</u>
<u>Intel G45/G43/G41 Express Chipset</u>	<u>Mark</u>	<u>(lower is</u>	<u>Value</u>	<u>MSD)</u>
	<u>Higher is</u>	<u>better</u>	<u>Higher is</u>	

<u>Intel GMA 3150 Express</u>	2	2245	NA	NA
<u>Intel Haswell HD - GT1</u>	123	1708	NA	NA
<u>Intel Haswell HD - GT2</u>	139	1664	NA	NA
<u>Intel HD 500</u>	294	1487	NA	NA

<u>Intel HD 505</u>	339	1449	NA	NA
<u>Intel HD 510</u>	616	1165	NA	NA
<u>Intel HD 515</u>	627	1153	NA	NA
<u>Intel HD 520</u>	865	944	NA	NA
<u>Intel HD 530</u>	982	859	NA	NA
<u>Intel HD 610</u>	671	1106	NA	NA
<u>Intel HD 615</u>	723	1062	NA	NA
<u>Intel HD 630</u>	1120	785	NA	NA
<u>Intel HD 2000</u>	213	1568	NA	NA
<u>Intel HD 3000</u>	256	1527	0.27	\$945.00*
<u>Intel HD 4000</u>	334	1453	0.21	\$1,592.95*
<u>Intel HD 4400</u>	521	1273	NA	NA
<u>Intel HD 4600</u>	628	1151	NA	NA
<u>Intel HD 5000</u>	564	1230	0.90	\$625.00*
<u>Intel HD 5200</u>	830	974	NA	NA
<u>Intel HD 5300</u>	388	1409	NA	NA
<u>Intel HD 5500</u>	582	1206	NA	NA
<u>Intel HD 5600</u>	712	1072	NA	NA
<u>Intel HD 6000</u>	854	952	NA	NA
<u>Intel HD Family</u>	451	1353	NA	NA
<u>Intel HD Graphics 620</u>	923	903	NA	NA
<u>Intel HD manual-15.28-1861</u>	62	1906	NA	NA
<u>Intel HD manual-gen9_2015-133271</u>	165	1627	NA	NA
<u>Intel HD Modded</u>	112	1745	NA	NA
<u>Intel HD P530</u>	1196	755	NA	NA
<u>Intel HD P630</u>	1237	738	NA	NA
<u>Intel HD P3000</u>	299	1484	NA	NA
<u>Intel HD P4000</u>	516	1283	NA	NA
<u>Intel HD P4600</u>	604	1179	NA	NA

<u>Intel HD P4600/P4700</u>	Passmark G3D Mark (higher is better)	1155 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
<u>Intel Iris 550</u>	1365	695	NA	NA
<u>Intel Iris 650</u>	1794	595	NA	NA
<u>Intel Iris 5100</u>	765	1024	NA	NA

<u>Intel Iris 6100</u>	914	908	NA	NA
<u>Intel Iris Plus</u>	1842	578	NA	NA
<u>Intel Iris Plus 640</u>	1327	706	NA	NA
<u>Intel Iris Plus 645</u>	1731	612	NA	NA
<u>Intel Iris Plus 650</u>	1574	645	NA	NA
<u>Intel Iris Plus 655</u>	1766	602	NA	NA
<u>Intel Iris Pro 580</u>	1980	544	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Intel Iris Pro 5200</u>	1020	836	NA	NA
<u>Intel Iris Pro 6100</u>	925	902	NA	NA
<u>Intel Iris Pro Graphics 6200</u>	1429	682	NA	NA
<u>Intel Iris Pro P580</u>	2168	506	NA	NA
<u>Intel Iris Pro P6300</u>	1625	627	NA	NA
<u>Intel Iris Xe</u>	2768	400	NA	NA
<u>Intel Iris Xe MAX</u>	1980	545	NA	NA
<u>Intel Media Accelerator</u>	32	2024	NA	NA
<u>Intel Media Accelerator 500</u>	3	2211	NA	NA
<u>Intel Media Accelerator 600</u>	6	2127	NA	NA
<u>Intel Media Accelerator 3150</u>	2	2228	NA	NA
<u>Intel Media Accelerator HD</u>	98	1789	NA	NA
<u>Intel Poison Ivy</u>	738	1055	NA	NA
<u>Intel Q33 Express</u>	4	2173	NA	NA
<u>Intel Q35 Embedded</u>	8	2113	NA	NA
<u>Intel Q35 Express</u>	140	1659	NA	NA
<u>Intel Q45/Q43 Express Chipset</u>	144	1654	NA	NA
<u>Intel Q45/Q43 Express-Chipsatz</u>	57	1923	NA	NA
<u>Intel Q965/Q963 Express</u>	287	1500	NA	NA
<u>Intel Skylake HD DT GT2</u>	576	1213	NA	NA
<u>Intel UHD</u>	1557	647	NA	NA

Intel UHD 600 Videocard Name	Passmark G3D Mark (higher is better)	Rank 1462 (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel UHD 610	730	1058	NA	NA
Intel UHD 615	761	1029	NA	NA
Intel UHD 617	862	948	NA	NA
Intel UHD 620	888	925	NA	NA
Intel UHD 630	1291	722	NA	NA
Intel UHD 710	1100	792	NA	NA
Intel UHD 730	1577	643	NA	NA
Intel UHD 750	1758	606	NA	NA
Intel UHD 770	2667	416	NA	NA
Intel UHD Graphics 620	1034	827	NA	NA
Intel UHD P630	2435	455	NA	NA
Intel UHD P750	1758	607	NA	NA
Intel UHD ReleaseInternal	1959	-1	NA	NA
Intel US15 Embedded Media and Controller	7	2124	NA	NA
ION	85	1825	0.37	\$229.99*
ION LE	97	1791	NA	NA
KV SPECTRE LITE MOBILE 25W	538	1261	NA	NA
LMIMIRR	874	937	NA	NA
M71-M	64	1901	NA	NA
M76M	124	1701	NA	NA
M860G with Mobility Radeon 4100	75	1856	NA	NA
M880G with Mobility Radeon HD 4200	92	1806	NA	NA
M880G with Mobility Radeon HD 4225	71	1873	NA	NA
M880G with Mobility Radeon HD 4250	104	1772	NA	NA
Master X3100 Driver	10	2104	NA	NA
Matrox C420 LP PCIe x16	607	1176	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Matrox C680 PCIe x16	1903	565	NA	NA
Matrox C900 PCIe x16	1812	587	NA	NA
Matrox G200e WDDM 1.2	59	1914	NA	NA
Matrox G200e WDDM 2.0	123	1706	NA	NA
Matrox G200eh	40	1977	NA	NA

<u>Matrox G200eh WDDM 1.2</u>	51	1933	NA	NA
Videocard Name	Passmark G3D	Rank	Videocard	Price
Matrox G200eh WDDM 1.2	Mark	(lower is	Value	MSD)
	Higher is	1061	Number is	

<u>Matrox G200eR WDDM 1.2</u>	45	1959	NA	NA
<u>Matrox G200eR WDDM 2.0</u>	67	1889	NA	NA
<u>Matrox G200eW</u>	39	1981	NA	NA
<u>Matrox G200eW3 WDDM 2.0</u>	94	1801	NA	NA

<u>Matrox G200eW WDDM 1.2</u>	50	1942	NA	NA
<u>Matrox M9120 PCIe x16</u>	19	2076	NA	NA
<u>Matrox M9120 Plus LP PCIe x16</u>	25	2051	NA	NA
<u>Matrox M9125 PCIe x16</u>	25	2052	NA	NA
<u>Matrox M9128 LP PCIe x16</u>	31	2029	NA	NA
<u>Matrox M9138 LP PCIe x16</u>	42	1971	NA	NA
<u>Matrox M9140 LP PCIe x16</u>	23	2066	NA	NA
<u>Matrox M9148 LP PCIe x16</u>	32	2027	NA	NA
<u>Matrox Millennium P650 PCIe 128</u>	5	2155	NA	NA
<u>Matrox Millennium P690 PCIe x16</u>	366	1424	NA	NA
<u>Matrox Millennium P690 Plus LP PCIe x16</u>	6	2129	NA	NA
<u>Matrox Parhelia 128MB</u>	3	2213	0.01	\$393.99*
<u>Matrox Parhelia 256MB</u>	9	2107	NA	NA
<u>Matrox Parhelia APVe</u>	5	2148	NA	NA
<u>MCT USB3.0 External Device</u>	520	-1	NA	NA
<u>MEDION RADEON 9800 XXL</u>	71	1872	NA	NA
<u>MEDION RADEON X740XL</u>	94	1799	NA	NA
<u>Miracast display port driver V3</u>	15909	-1	NA	NA
<u>MIRRORV3</u>	1080	804	NA	NA
<u>Mobile Intel965 Express</u>	17	2086	NA	NA
<u>Mobile Intel 4 Express-Chipsatzfamilie</u>	44	1966	NA	NA
<u>Mobile Intel 45 Express</u>	46	1957	NA	NA
<u>Mobile Intel 45 Express-Chipsatzfamilie</u>	117	1725	NA	NA
<u>Mobile Intel 915GM/GMS/910GML Express</u>	2	2251	NA	NA
<u>Mobile Intel 945 Express</u>	1	2257	NA	NA
<u>Mobile Intel 945GM Express</u>	5	2143	NA	NA
<u>Mobile Intel 945GM/GU Express</u>	5	2156	NA	NA
<u>Mobile Intel 965 Express</u>	56	1928	NA	NA
<u>Mobile Intel 965 Express - BR-0907-0461</u>	8	2115	NA	NA

v1839	Passmark G3D Mark	Rank	Videocard Value	Price
Videocard Name	Mark	(lower is better)	(higher is better)	(USD)
Mobile Intel G65 Express Chipset family	284	1502	0.59	\$479.98*
Mobile Intel serie 4 Express	44	1965	NA	NA
MOBILITY FIREGL 7800	4	2169	NA	NA

MOBILITY FIREGL T2	40	1976	NA	NA
MOBILITY FIREGL T2/T2e	33	2018	NA	NA
MOBILITY FireGL V3200	62	1907	NA	NA
Videocard Name	Passmark G3D Mark	Rank	Videocard Value	Price
	(higher is better)	(lower is better)	(higher is better)	(USD)
MOBILITY FireGL V5000	81	1842	NA	NA
MOBILITY FireGL V5200	44	1962	NA	NA
MOBILITY FireGL V5250	27	2043	NA	NA
Mobility FireGL V5725	219	1559	NA	NA
MOBILITY IGP 9000/9100	10	2105	NA	NA
Mobility Radeon 4100	81	1848	NA	NA
MOBILITY RADEON 7000 IGP	6	2135	NA	NA
MOBILITY RADEON 7500	3	2207	NA	NA
MOBILITY RADEON 9000	3	2217	NA	NA
MOBILITY RADEON 9000 IGP	7	2118	NA	NA
MOBILITY RADEON 9000/9100 IGP	5	2147	NA	NA
MOBILITY RADEON 9100 IGP	2	2227	NA	NA
MOBILITY RADEON 9200	3	2226	NA	NA
MOBILITY RADEON 9550	30	2035	NA	NA
MOBILITY RADEON 9600	36	2002	NA	NA
MOBILITY RADEON 9600 PRO TURBO	24	2058	NA	NA
MOBILITY RADEON 9600/9700	39	1984	NA	NA
MOBILITY RADEON 9700	27	2042	NA	NA
MOBILITY RADEON 9800	46	1956	NA	NA
Mobility Radeon HD 530v	174	1616	NA	NA
Mobility Radeon HD 540v	188	1602	NA	NA
Mobility Radeon HD 545v	199	1588	NA	NA
Mobility Radeon HD 550v	266	1516	NA	NA
Mobility Radeon HD 560v	318	1472	NA	NA
Mobility Radeon HD 565v	353	1439	NA	NA

<u>Mobility Radeon HD 2300</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1940 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Mobility Radeon HD 2400 XT</u>	102	1781	NA	NA
<u>Mobility Radeon HD 2600</u>	167	1625	NA	NA
<u>Mobility Radeon HD 2600 XT</u>	191	1597	NA	NA
<u>Mobility Radeon HD 3400 Serisi</u>	111	1748	NA	NA
<u>Mobility Radeon HD 3410</u>	62	1905	NA	NA
<u>Mobility Radeon HD 3430</u>	98	1788	NA	NA
<u>Mobility Radeon HD 3450</u>	91	1815	NA	NA
<u>Mobility Radeon HD 3470</u>	93	1803	NA	NA
<u>Mobility Radeon HD 3470 Hybrid X2</u>	93	1802	NA	NA
<u>Mobility Radeon HD 3650</u>	129	1689	1.76	\$73.53*
<u>Mobility Radeon HD 3670</u>	232	1548	NA	NA
<u>Mobility Radeon HD 3850</u>	365	1427	NA	NA
<u>Mobility Radeon HD 3870</u>	547	1247	NA	NA
<u>Mobility Radeon HD 3870 X2</u>	477	1320	NA	NA
<u>Mobility Radeon HD 4200</u>	90	1816	NA	NA
<u>Mobility Radeon HD 4225</u>	66	1896	NA	NA
<u>Mobility Radeon HD 4250</u>	98	1786	NA	NA
<u>Mobility Radeon HD 4270</u>	92	1805	NA	NA
<u>Mobility Radeon HD 4300 Serisi</u>	73	1867	NA	NA
<u>Mobility Radeon HD 4330</u>	135	1676	NA	NA
<u>Mobility Radeon HD 4350</u>	148	1644	NA	NA
<u>Mobility Radeon HD 4550</u>	191	1598	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Mobility Radeon HD 4570</u>	134	1678	1.77	\$75.90*
<u>Mobility Radeon HD 4650</u>	401	1400	NA	NA
<u>Mobility Radeon HD 4670</u>	463	1341	NA	NA
<u>Mobility Radeon HD 4830</u>	511	1286	NA	NA
<u>Mobility Radeon HD 4850</u>	866	943	NA	NA
<u>Mobility Radeon HD 4870</u>	719	1067	NA	NA
<u>Mobility Radeon HD 5000</u>	773	1018	NA	NA
<u>Mobility Radeon HD 5000 Serisi</u>	478	1319	NA	NA
<u>Mobility Radeon HD 5165</u>	284	1503	NA	NA
<u>Mobility Radeon HD 5430</u>	181	1608	NA	NA

<u>Mobility Radeon HD 5450</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1567 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Mobility Radeon HD 5570</u>	544	1255	NA	NA
<u>Mobility Radeon HD 5650</u>	444	1364	NA	NA
<u>Mobility Radeon HD 5730</u>	485	1314	NA	NA
<u>Mobility Radeon HD 5850</u>	763	1026	NA	NA
<u>Mobility Radeon HD 5870</u>	1076	807	NA	NA
<u>Mobility Radeon HD serie 4200</u>	96	1796	NA	NA
<u>MOBILITY RADEON X300</u>	33	2017	NA	NA
<u>MOBILITY RADEON X600</u>	50	1941	NA	NA
<u>MOBILITY RADEON X600 SE</u>	49	1944	NA	NA
<u>MOBILITY RADEON X700</u>	66	1892	NA	NA
<u>MOBILITY RADEON X700 XL</u>	59	1911	NA	NA
<u>Mobility Radeon X1300</u>	39	1982	NA	NA
<u>Mobility Radeon X1350</u>	39	1980	NA	NA
<u>Mobility Radeon X1400</u>	42	1968	NA	NA
<u>Mobility Radeon X1450</u>	33	2021	NA	NA
<u>Mobility Radeon X1600</u>	92	1809	NA	NA
<u>Mobility Radeon X1700</u>	104	1770	NA	NA
<u>MOBILITY RADEON X1800</u>	130	1686	NA	NA
<u>Mobility Radeon X1900</u>	134	1677	NA	NA
<u>Mobility Radeon X2300</u>	48	1950	NA	NA
<u>Mobility Radeon X2300 HD</u>	48	1948	NA	NA
<u>Mobility Radeon X2500</u>	81	1841	NA	NA
<u>MOBILITY RADEON XPRESS 200</u>	27	2046	NA	NA
<u>Mobility Radeon. HD 5470</u>	215	1566	NA	NA
<u>MOBILITY/RADEON 9000</u>	4	2190	NA	NA
<u>MONSTER GeForce GTX 675M</u>	2637	422	NA	NA
<u>MxGPU</u>	1826	583	NA	NA
<u>N16P-GX</u>	1204	749	NA	NA
<u>N18E-Q1</u>	2525	444	NA	NA
<u>nForce 750a SLI</u>	83	1836	NA	NA
<u>nForce 760i SLI</u>	140	1663	NA	NA
<u>nForce 780a SLI</u>	92	1810	NA	NA
<u>nForce 980a/780a SLI</u>	81	1845	NA	NA

NV44	Passmark G3D Mark (higher is better)	2090 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
NVS 300	114	1739	1.81	\$62.97*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
NVS 310	243	1539	3.92	\$62.06*

NVS 315	287	1499	4.11	\$69.99*
NVS 510	721	1065	2.66	\$271.18
NVS 810	1161	768	1.86	\$624.99*
NVS 2100M	139	1665	NA	NA
NVS 3100M	114	1736	NA	NA
NVS 4200M	258	1522	0.65	\$399.00*
NVS 5100M	190	1599	NA	NA
NVS 5200M	529	1266	NA	NA
NVS 5400M	635	1141	NA	NA
OPAL XT/GL	1053	819	NA	NA
OpenXT Display Driver	30	2032	NA	NA
P106-100	3801	316	NA	NA
PHDGD Ivy 4	374	1420	NA	NA
PHDGD Ivy 5	445	1363	NA	NA
PHDGD Quantic C3	116	1726	NA	NA
PHDGD Sapphire GR for Mobile Intel 965	25	2050	NA	NA
PHDGD Solo 1.2.0 x86	11	2103	NA	NA
PHDGD Solo 2 x64	20	2075	NA	NA
Professional HD Driver	653	1126	NA	NA
Q12U-1	5164	250	NA	NA
Quadro2 MXR/EX	4	2180	NA	NA
Quadro2 Pro	1	2264	NA	NA
Quadro4 380 XGL	6	2130	NA	NA
Quadro4 900 XGL	4	2162	NA	NA
Quadro4 980 XGL	5	2160	0.01	\$341.43*
Quadro 280 NVS PCIe	5	2144	NA	NA
Quadro 400	146	1650	0.70	\$211.00*
Quadro 410	436	1368	3.38	\$129.00*
Quadro 500M	664	1114	2.41	\$275.14*

Quadro 600	Passmark G3D Mark	1248 Rank	Videocard Value	\$76.00*
Videocard Name	Mark (higher is better)	(lower is better)	Value (higher is better)	Price (USD)
Quadro 2000	943	892	4.42	\$213.23*
Quadro 2000 D	1239	734	NA	NA
Quadro 2000D	990	855	7.08	\$140.00*
Quadro 2000M	767	1023	3.34	\$229.74*
Quadro 2100M	1100	794	NA	NA
Quadro 3000M	1005	846	14.37	\$69.99*
Quadro 4000	1488	669	1.52	\$978.99
Quadro 4000M	1310	713	5.65	\$232.06*
Quadro 5000	1982	543	0.84	\$2,366.18
Quadro 5000M	2059	522	NA	NA
Quadro 5010M	1891	569	8.02	\$235.95*
Quadro 6000	2688	410	0.66	\$4,092.38*
Quadro 7000	3505	333	NA	NA
Quadro CX	947	888	6.32	\$149.95*
Quadro FX 350	85	1824	NA	NA
Quadro FX 350M	44	1964	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro FX 360M	86	1823	NA	NA
Quadro FX 370	83	1835	0.67	\$125.00*
Quadro FX 370 Low Profile	102	1778	NA	NA
Quadro FX 370 LP	108	1760	NA	NA
Quadro FX 370M	93	1804	NA	NA
Quadro FX 380	185	1606	2.56	\$72.50*
Quadro FX 380 LP	135	1674	NA	NA
Quadro FX 380M	124	1704	NA	NA
Quadro FX 500/600 PCI	14	2092	NA	NA
Quadro FX 500/FX 600	7	2121	NA	NA
Quadro FX 540	80	1851	1.35	\$59.99*
Quadro FX 550	63	1903	0.22	\$287.82*
Quadro FX 560	113	1740	0.76	\$150.25*
Quadro FX 570	155	1636	1.36	\$115.00*
Quadro FX 570M	111	1749	NA	NA

Quadro FX 580	Passmark G3D	Rank	Videocard	Price
Videocard Name	Mark	(lower is	Value	(USD)
	(higher is	better)	(higher is	
Quadro FX 880M	219	1560	NA	NA
Quadro FX 1000	34	2012	NA	NA
Quadro FX 1100	35	2003	0.17	\$212.99*
Quadro FX 1300	34	2011	NA	NA
Quadro FX 1400	124	1703	0.51	\$245.01*
Quadro FX 1500	189	1600	1.65	\$115.01*
Quadro FX 1500M	171	1620	NA	NA
Quadro FX 1600M	140	1661	0.94	\$149.90*
Quadro FX 1700	116	1727	0.33	\$350.14*
Quadro FX 1700M	172	1619	NA	NA
Quadro FX 1800	404	1398	3.00	\$135.00*
Quadro FX 1800M	469	1332	NA	NA
Quadro FX 2000	18	2083	NA	NA
Quadro FX 2500M	217	1562	12.45	\$17.50*
Quadro FX 2700	543	1257	NA	NA
Quadro FX 2700M	354	1436	3.55	\$99.95*
Quadro FX 2800M	432	1372	2.28	\$190.00*
Quadro FX 3000	69	1884	0.41	\$166.61*
Quadro FX 3400/4400	104	1771	NA	NA
Quadro FX 3450	148	1643	1.24	\$119.99*
Quadro FX 3450/4000 SDI	185	1605	NA	NA
Quadro FX 3500	291	1493	4.23	\$68.98*
Quadro FX 3500M	306	1478	3.06	\$99.99*
Quadro FX 3600M	466	1334	NA	NA
Quadro FX 3700	390	1406	1.83	\$213.27*
Quadro FX 3700M	477	1321	0.52	\$925.00*
Quadro FX 3800	780	1005	3.01	\$259.13*
Quadro FX 3800M	628	1150	NA	NA
Quadro FX 4000	101	1784	NA	NA
Quadro FX 4500	226	1551	1.34	\$169.00*
Quadro FX 4500 X2	236	1546	NA	NA
Quadro FX 4600	436	1367	1.31	\$333.25*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

<u>Quadro FX 4700 X2</u> Videocard Name	Passmark G3D Mark (higher is	Rank 1101 (lower is	Videocard Value (higher is	Price (USD)
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<u>Quadro FX 5500</u>	242	1540	0.12	\$1,999.00*
<u>Quadro FX 5600</u>	561	1233	1.90	\$295.00*
<u>Quadro FX 5800</u>	1247	732	4.55	\$274.00*
<u>Quadro FX Go1400</u>	101	1782	NA	NA

<u>Quadro GP100</u>	16203	46	NA	NA
<u>Quadro GV100</u>	17675	35	1.96	\$8,999.00*
<u>Quadro K420</u>	775	1014	2.88	\$269.00*
<u>Quadro K500M</u>	480	-1	NA	NA
<u>Quadro K510M</u>	610	1174	NA	NA
<u>Quadro K600</u>	762	1027	12.66	\$60.24*
<u>Quadro K610M</u>	711	1074	2.96	\$240.00*
<u>Quadro K620</u>	2245	489	1.11	\$2,029.99*
<u>Quadro K620M</u>	1156	772	NA	NA
<u>Quadro K1000M</u>	777	1010	11.11	\$69.95*
<u>Quadro K1100M</u>	1090	801	3.38	\$322.99*
<u>Quadro K1200</u>	2878	387	9.00	\$319.95*
<u>Quadro K2000</u>	1567	646	5.33	\$294.00*
<u>Quadro K2000D</u>	1613	632	4.75	\$339.99*
<u>Quadro K2000M</u>	1028	831	7.14	\$144.04*
<u>Quadro K2100M</u>	1347	701	3.24	\$415.99*
<u>Quadro K2200</u>	3544	330	13.21	\$268.30*
<u>Quadro K2200M</u>	3570	327	28.58	\$124.95*
<u>Quadro K3000M</u>	1612	633	3.96	\$407.56*
<u>Quadro K3100M</u>	2265	487	5.66	\$399.95*
<u>Quadro K4000</u>	2700	409	10.00	\$270.00*
<u>Quadro K4000M</u>	2009	535	7.91	\$254.00*
<u>Quadro K4100M</u>	2756	401	10.55	\$261.29*
<u>Quadro K4200</u>	4326	286	17.38	\$249.00*
<u>Quadro K5000</u>	3925	304	15.76	\$249.00*
<u>Quadro K5000M</u>	2805	395	5.51	\$508.91*
<u>Quadro K5100M</u>	3310	351	2.99	\$1,108.84*
<u>Quadro K5200</u>	5892	225	14.20	\$415.00*
<u>Quadro K6000</u>	8091	170	34.29	\$235.99

Quadro M500M	Passmark G3D Mark (higher is better)	799 Rank (lower is better)	NA Videocard Value (higher is better)	NA Price (USD)
Quadro M620	2830	393	NA	NA
Quadro M1000M	2962	381	34.45	\$85.99*
Quadro M1200	3332	350	NA	NA

Quadro M2000	3944	303	14.93	\$264.24*
Quadro M2000M	3522	331	16.52	\$213.16*
Quadro M2200	4335	285	17.34	\$249.99*
Quadro M3000M	5661	232	35.39	\$159.95*
Quadro M4000	6617	206	18.28	\$362.00*
Quadro M4000M	6434	210	25.24	\$254.91*
Quadro M5000	9245	141	18.53	\$499.00*
Quadro M5000M	6840	201	12.51	\$546.92*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro M5500	7915	174	NA	NA
Quadro M6000	11677	100	10.62	\$1,099.98*
Quadro M6000 24GB	12320	93	NA	NA
Quadro NVS 55/280 PCI	6	2138	NA	NA
Quadro NVS 110M	47	1953	NA	NA
Quadro NVS 120M	46	1955	NA	NA
Quadro NVS 130M	97	1794	NA	NA
Quadro NVS 135M	66	1894	NA	NA
Quadro NVS 140M	48	1949	NA	NA
Quadro NVS 150M	92	1808	NA	NA
Quadro NVS 160M	103	1773	NA	NA
Quadro NVS 210S	23	2064	NA	NA
Quadro NVS 210S / GeForce 6150LE	20	2074	NA	NA
Quadro NVS 280 PCI	8	2116	0.06	\$130.00*
Quadro NVS 280 SD	2	2247	NA	NA
Quadro NVS 285	38	1988	0.23	\$169.86*
Quadro NVS 285 128MB	38	1991	0.70	\$55.00*
Quadro NVS 290	204	1582	3.47	\$59.00*
Quadro NVS 295	74	1857	1.19	\$63.00*
Quadro NVS 320M	127	1695	NA	NA

Quadro NVS 420 Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro NVS 450	63	1904	0.40	\$159.00*
Quadro NVS 510M	253	1530	NA	NA
Quadro P400	1603	636	7.97	\$201.17*
Quadro P500	1487	670	NA	NA
Quadro P520	2093	517	1.40	\$1,499.00*
Quadro P600	3292	353	10.10	\$325.99*
Quadro P620	3627	324	6.12	\$592.36
Quadro P1000	4469	278	12.77	\$349.99*
Quadro P2000	7094	197	13.09	\$542.00*
Quadro P2000 with Max-Q Design	5392	241	NA	NA
Quadro P2200	9454	135	16.38	\$577.17*
Quadro P3000	6570	207	NA	NA
Quadro P3200	8735	154	22.44	\$389.30*
Quadro P3200 with Max-Q Design	8656	156	NA	NA
Quadro P4000	11362	102	20.43	\$556.19*
Quadro P4000 with Max-Q Design	9082	146	NA	NA
Quadro P4200	9827	125	NA	NA
Quadro P4200 with Max-Q Design	10323	117	NA	NA
Quadro P5000	11973	95	6.41	\$1,868.99*
Quadro P5200	12254	94	NA	NA
Quadro P5200 with Max-Q Design	9796	126	NA	NA
Quadro P6000	15763	54	4.85	\$3,250.00*
Quadro RTX 3000	11106	108	NA	NA
Quadro RTX 3000 with Max-Q Design	7428	191	NA	NA
Quadro RTX 4000	15525	55	17.27	\$899.00*
Quadro RTX 4000 (Mobile)	12914	83	NA	NA
Quadro RTX 4000 with Max-Q Design	11185	106	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro RTX 5000	16154	48	NA	NA
Quadro RTX 5000 (Mobile)	14832	60	NA	NA
Quadro RTX 5000 with Max-Q Design	14699	62	NA	NA
Quadro RTX 6000	19566	20	3.11	\$6,300.00*
Quadro RTX 8000	19126	25	4.03	\$4,741.49*

Quadro T1000 Videocard Name	Passmark G3D Mark (higher is	Rank 209 (lower is	Videocard Value (higher is	Price \$441.99* (USD)
Qualcomm Adreno 8cx Gen 3	1744	609	NA	NA
Qualcomm Adreno 540 GPU	120	1716	NA	NA
Qualcomm Adreno 618 GPU	118	1720	NA	NA
Qualcomm Adreno 630 GPU	267	1514	NA	NA
Qualcomm Adreno 675 GPU	540	1259	NA	NA
Qualcomm Adreno 680 GPU	489	1308	NA	NA
Qualcomm Adreno 685 GPU	853	953	NA	NA
Qualcomm Adreno 690 GPU	951	882	NA	NA
QXL KMDOD	18	2078	NA	NA
Radeon 520	839	961	9.33	\$89.99*
Radeon 530	961	876	NA	NA
Radeon 535	1048	823	NA	NA
Radeon 535DX	797	997	NA	NA
Radeon 540	1300	719	NA	NA
Radeon 540X	1358	699	NA	NA
Radeon 550	1958	-1	19.59	\$99.99
Radeon 550X	1429	681	NA	NA
Radeon 620	870	939	NA	NA
Radeon 625	1097	795	NA	NA
Radeon 630	1244	733	NA	NA
Radeon 2100	59	1912	0.34	\$174.29*
Radeon 3000	98	1787	0.31	\$319.00*
Radeon 3100	73	1864	0.33	\$225.99*
Radeon 6600M	519	1276	NA	NA
Radeon 6750M	911	914	NA	NA
Radeon 7000 / Radeon VE	2	2236	NA	NA
RADEON 7000 / RADEON VE Family.	3	2199	NA	NA
RADEON 7200	2	2230	0.00	\$599.99*
RADEON 7500	3	2220	0.02	\$177.25*
RADEON 7500 Family.	4	2170	NA	NA
RADEON 8500 Family.	6	2131	NA	NA
RADEON 9000	4	2175	NA	NA
RADEON 9000 Family.	3	2209	NA	NA

RADEON 9100 Family	Passmark G3D Mark (higher is better)	2137 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
RADEON 9200 LE Family	2	2240	NA	NA
RADEON 9200 PRO Family	2	2231	NA	NA
RADEON 9200 SE	2	2243	NA	NA

RADEON 9250	2	2241	0.01	\$194.00*
RADEON 9500	36	2000	0.90	\$40.50*
RADEON 9500 PRO / 9700	41	1972	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
RADEON 9550	34	2009	0.12	\$291.74*
Radeon 9550 / X1050	29	2040	NA	NA
RADEON 9600 Family	25	2055	NA	NA
RADEON 9600 PRO	42	1969	NA	NA
RADEON 9600 PRO Family	26	2047	NA	NA
RADEON 9600 TX Family	18	2080	NA	NA
RADEON 9600 XT	35	2007	NA	NA
RADEON 9600SE	27	2044	NA	NA
RADEON 9700 PRO	53	1929	NA	NA
RADEON 9800	57	1921	0.18	\$325.00*
RADEON 9800 PRO	59	1913	NA	NA
RADEON 9800 SE	23	2065	NA	NA
RADEON 9800 XT	56	1924	NA	NA
RADEON A9800XT	22	2070	NA	NA
RADEON E2400	51	1935	NA	NA
RADEON E4690	405	1397	NA	NA
Radeon E6460	323	1466	NA	NA
Radeon E6465	231	1549	NA	NA
Radeon E6760	876	936	3.65	\$239.99*
Radeon E8860	1625	626	NA	NA
Radeon E8870PCle	3368	343	NA	NA
Radeon HD4650	239	1544	1.57	\$152.90*
Radeon HD4670	365	1426	NA	NA
RADEON HD6370D	320	1468	NA	NA
RADEON HD6410D	422	1380	NA	NA

<u>RADEON HD6530D</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1265 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD8530M</u>	490	1307	NA	NA
<u>Radeon HD8970M</u>	3368	342	NA	NA
<u>Radeon HD 2350</u>	76	1854	NA	NA
<u>Radeon HD 2400</u>	120	1714	1.37	\$88.20*
<u>Radeon HD 2400 PCI</u>	14	2094	NA	NA
<u>Radeon HD 2400 Pro</u>	114	1738	NA	NA
<u>Radeon HD 2400 XT</u>	118	1719	NA	NA
<u>Radeon HD 2600 PRO</u>	211	1571	1.12	\$188.44*
<u>Radeon HD 2600 Pro AGP</u>	110	1753	NA	NA
<u>Radeon HD 2600 XT</u>	282	1505	1.78	\$159.00*
<u>Radeon HD 2900 GT</u>	292	1492	NA	NA
<u>Radeon HD 2900 PRO</u>	627	1152	NA	NA
<u>Radeon HD 2900 XT</u>	659	1120	NA	NA
<u>Radeon HD 3000</u>	95	1797	NA	NA
<u>Radeon HD 3200</u>	82	1837	NA	NA
<u>Radeon HD 3300</u>	126	1698	NA	NA
<u>Radeon HD 3450</u>	118	1722	1.33	\$89.00*
<u>Radeon HD 3470</u>	89	1817	0.82	\$109.65*
<u>Radeon HD 3650 AGP</u>	150	1642	0.81	\$185.00*
<u>Radeon HD 3670</u>	151	1639	NA	NA
<u>Radeon HD 3850</u>	400	1401	NA	NA
<u>Radeon HD 3850 AGP</u>	432	1375	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 3850 X2</u>	822	980	NA	NA
<u>Radeon HD 3870</u>	576	1214	8.24	\$69.99*
<u>Radeon HD 3870 X2</u>	708	1075	NA	NA
<u>Radeon HD 4200</u>	111	1746	NA	NA
<u>Radeon HD 4250</u>	122	1709	NA	NA
<u>Radeon HD 4270</u>	109	1754	NA	NA
<u>Radeon HD 4290</u>	140	1658	NA	NA
<u>Radeon HD 4300/4500 Serisi</u>	155	1635	NA	NA
<u>Radeon HD 4330</u>	109	1759	NA	NA
<u>Radeon HD 4350</u>	103	1776	1.01	\$102.24*

<u>Radeon HD 4550</u> Videocard Name	Passmark G3D Mark (higher is	Rank 1547 (lower is	Videocard Value (higher is	Price \$156.00* (USD)
<u>Radeon HD 4650 AGP</u>	207	1576	NA	NA
<u>Radeon HD 4670</u>	382	1411	2.68	\$142.96*
<u>Radeon HD 4770</u>	905	915	15.10	\$59.99*
<u>Radeon HD 4810</u>	769	1019	NA	NA
<u>Radeon HD 4830</u>	860	950	14.34	\$59.99*
<u>Radeon HD 4850</u>	950	883	2.51	\$378.00*
<u>Radeon HD 4850 X2</u>	1132	779	NA	NA
<u>Radeon HD 4870</u>	1389	689	17.37	\$79.99*
<u>Radeon HD 4870 X2</u>	1309	715	NA	NA
<u>Radeon HD 4890</u>	1532	659	17.04	\$89.99*
<u>Radeon HD 5450</u>	137	1668	1.45	\$94.96*
<u>Radeon HD 5470</u>	268	1513	NA	NA
<u>Radeon HD 5550</u>	376	1419	6.84	\$54.99*
<u>Radeon HD 5570</u>	472	1325	2.81	\$168.49
<u>Radeon HD 5600/5700</u>	660	1118	NA	NA
<u>Radeon HD 5670</u>	783	1002	11.70	\$67.00*
<u>Radeon HD 5750</u>	1166	765	16.67	\$69.99*
<u>Radeon HD 5770</u>	1344	703	7.08	\$189.99*
<u>Radeon HD 5830</u>	1733	611	6.69	\$258.99*
<u>Radeon HD 5850</u>	1958	553	6.78	\$288.99*
<u>Radeon HD 5870</u>	2269	485	7.69	\$295.00*
<u>Radeon HD 5970</u>	2243	490	12.46	\$179.99*
<u>Radeon HD 6230</u>	179	1612	NA	NA
<u>Radeon HD 6250</u>	94	1800	NA	NA
<u>Radeon HD 6290</u>	109	1758	NA	NA
<u>Radeon HD 6290M</u>	140	1662	NA	NA
<u>Radeon HD 6300M</u>	141	1656	NA	NA
<u>Radeon HD 6310</u>	123	1705	NA	NA
<u>Radeon HD 6320</u>	148	1645	0.27	\$554.99*
<u>Radeon HD 6320 Graphic</u>	216	1565	NA	NA
<u>Radeon HD 6320M</u>	198	1590	NA	NA
<u>RADEON HD 6350</u>	140	1657	2.39	\$59.00*
<u>Radeon HD 6370D</u>	254	1528	NA	NA

Radeon HD 6370M	Passmark G3D Mark (higher is better)	1508 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
Radeon HD 6430M	192	1596	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 6450	199	1587	2.24	\$89.00*

Radeon HD 6450 + 8470D Dual	762	1028	NA	NA
Radeon HD 6450A	260	1520	NA	NA
Radeon HD 6470M	227	1550	0.40	\$569.99*
Radeon HD 6480G	259	1521	NA	NA
Radeon HD 6480M	353	1438	NA	NA
Radeon HD 6490M	377	1416	0.32	\$1,193.03*
Radeon HD 6520G	298	1485	NA	NA
Radeon HD 6530D	324	1465	NA	NA
Radeon HD 6550A	707	1076	NA	NA
Radeon HD 6550D	405	1396	NA	NA
Radeon HD 6570	500	1298	7.85	\$63.81*
Radeon HD 6610M	565	1228	NA	NA
Radeon HD 6620G	355	1434	NA	NA
Radeon HD 6630M	684	1091	NA	NA
Radeon HD 6650A	835	967	NA	NA
Radeon HD 6650M	756	1035	NA	NA
Radeon HD 6670	744	1047	10.79	\$68.99*
Radeon HD 6670 + 6670 Dual	646	1132	NA	NA
Radeon HD 6670 + 7660D Dual	1492	668	NA	NA
Radeon HD 6670/7670	945	889	NA	NA
Radeon HD 6700M	1016	838	NA	NA
Radeon HD 6750	982	861	12.28	\$79.99*
Radeon HD 6750M	937	895	NA	NA
Radeon HD 6770	1236	739	4.67	\$264.99*
Radeon HD 6770M	964	872	NA	NA
Radeon HD 6790	1617	630	5.50	\$294.00*
Radeon HD 6800M	849	957	NA	NA
Radeon HD 6850	1979	546	23.29	\$85.00*
Radeon HD 6850 X2	2534	442	NA	NA

Radeon HD 6870	2244	495	0.88	\$275.00*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 6970	2842	391	18.95	\$149.99*
Radeon HD 6970M	2270	484	10.51	\$215.99*
Radeon HD 6990	3013	379	6.04	\$498.49*

Radeon HD 7290	115	1733	NA	NA
Radeon HD 7290M	123	1707	NA	NA
Radeon HD 7310	129	1688	NA	NA
Radeon HD 7310 - Carte graphique	174	1618	NA	NA
Radeon HD 7310G	180	1609	NA	NA
Radeon HD 7310M	166	1626	NA	NA
Radeon HD 7340	156	1634	0.28	\$552.69*
Radeon HD 7340G	196	1591	NA	NA
Radeon HD 7340M	221	1556	NA	NA
Radeon HD 7350	193	1595	NA	NA
Radeon HD 7400G	267	1515	NA	NA
Radeon HD 7420G	311	1476	NA	NA
Radeon HD 7450	225	1552	4.51	\$49.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7450A	288	1496	NA	NA
Radeon HD 7450M	329	1459	NA	NA
Radeon HD 7470	316	1474	3.89	\$81.37*
Radeon HD 7470M	407	1393	NA	NA
Radeon HD 7480D	283	1504	NA	NA
Radeon HD 7500G	330	1458	NA	NA
Radeon HD 7500G + 7500M/7600M Dual	616	1166	NA	NA
Radeon HD 7500G + 7550M Dual	497	1302	NA	NA
Radeon HD 7500G + HD 7500M/7600M Dual	355	1433	NA	NA
Radeon HD 7520G	317	1473	NA	NA
Radeon HD 7520G + 7400M Dual	486	1312	NA	NA
Radeon HD 7520G + 7470M Dual	542	1258	NA	NA
Radeon HD 7520G + 7500/7600 Dual	582	1207	NA	NA
Radeon HD 7520G + 7600M Dual	591	1193	NA	NA

<u>Radeon HD 7520G + 7610M Dual</u>	588	1198	NA	NA
<u>Videocard Name</u>	<u>Passmark G3D</u>	<u>Rank</u>	<u>Videocard</u>	<u>Price</u>
<u>Radeon HD 7520G + 7650M Dual</u>	452	(lower is	<u>Value</u>	<u>MSD</u>
	<u>Author is</u>		<u>Author is</u>	

<u>Radeon HD 7520G + 7700M Dual</u>	1060	815	NA	NA
<u>Radeon HD 7520G + 8600/8700M Dual</u>	311	1477	NA	NA
<u>Radeon HD 7520G + 8750M Dual</u>	376	1417	NA	NA
<u>Radeon HD 7520G + HD 7400M Dual</u>	544	1254	NA	NA

<u>Radeon HD 7520G + HD 7500/7600 Dual</u>	832	970	NA	NA
<u>Radeon HD 7520G + HD 7600M Dual</u>	447	1360	NA	NA
<u>Radeon HD 7520G + HD 7670M Dual</u>	495	1304	NA	NA
<u>Radeon HD 7520G + HD 7700M Dual</u>	574	1216	NA	NA
<u>Radeon HD 7520G + HD 8600/8700M Dual</u>	623	1157	NA	NA
<u>Radeon HD 7520G + HD 8750M Dual</u>	651	1128	NA	NA
<u>Radeon HD 7520G N HD 7520G + HD 7500/7600 7500/760</u>	574	1218	NA	NA
<u>Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D</u>	364	1428	NA	NA
<u>Radeon HD 7540D</u>	335	1451	NA	NA
<u>Radeon HD 7540D + 6570 Dual</u>	719	1068	NA	NA
<u>Radeon HD 7540D + 7500 Dual</u>	821	982	NA	NA
<u>Radeon HD 7540D + HD 6450 Dual</u>	643	1135	NA	NA
<u>Radeon HD 7550M</u>	464	1339	NA	NA
<u>Radeon HD 7550M/7650M</u>	728	1059	NA	NA
<u>Radeon HD 7560D</u>	472	1326	NA	NA
<u>Radeon HD 7560D + 6450 Dual</u>	568	1225	NA	NA
<u>Radeon HD 7560D + 6570 Dual</u>	833	969	NA	NA
<u>Radeon HD 7560D + 6670 Dual</u>	1130	780	NA	NA
<u>Radeon HD 7560D + 7560D Dual</u>	982	860	NA	NA
<u>Radeon HD 7560D + 7570 Dual</u>	985	856	NA	NA
<u>Radeon HD 7560D + 7670 Dual</u>	1426	683	NA	NA
<u>Radeon HD 7560D + 7700 Dual</u>	1919	563	NA	NA
<u>Radeon HD 7560D + HD 6570 Dual</u>	1237	737	NA	NA
<u>Radeon HD 7560D + HD 6670 Dual</u>	1554	649	NA	NA
<u>Radeon HD 7560D + HD 7000 Dual</u>	534	1262	NA	NA
<u>Radeon HD 7560D + HD 7600 Dual</u>	1258	729	NA	NA
<u>Radeon HD 7560D + HD 7670 Dual</u>	1380	691	NA	NA
<u>Radeon HD 7560D + HD 7700 Dual</u>	1346	702	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7560D + R5 235 Dual	563	1231	NA	NA
Radeon HD 7570	611	1171	5.96	\$102.49*
Radeon HD 7570M	446	1361	NA	NA
Radeon HD 7570M/HD 7670M	699	1083	NA	NA
Radeon HD 7580D	350	1440	NA	NA
Radeon HD 7600G	320	1469	NA	NA
Radeon HD 7600G + 6400M Dual	376	1418	NA	NA
Radeon HD 7600G + 7450M Dual	389	1407	NA	NA
Radeon HD 7600G + 7500M/7600M Dual	405	1395	NA	NA
Radeon HD 7600G + 7550M Dual	423	1379	NA	NA
Radeon HD 7600G + 8500M/8700M Dual	469	1331	NA	NA
Radeon HD 7600G + HD 7400M Dual	328	1461	NA	NA
Radeon HD 7600G + HD 7500M/7600M Dual	555	1239	NA	NA
Radeon HD 7600G + HD 7550M Dual	509	1290	NA	NA
Radeon HD 7600G + HD 8670M Dual	543	1256	NA	NA
Radeon HD 7600G + HD Dual	435	1369	NA	NA
Radeon HD 7600G N HD 7600G + HD ON HD Dual	526	1269	NA	NA
Radeon HD 7600M + 7600M Dual	773	1016	NA	NA
Radeon HD 7610M	632	1145	NA	NA
Radeon HD 7620G	355	1435	NA	NA
Radeon HD 7620G + 8600M Dual	508	1291	NA	NA
Radeon HD 7620G + 8670M Dual	577	1212	NA	NA
Radeon HD 7620G + HD 8600M Dual	442	1366	NA	NA
Radeon HD 7620G + HD 8670M Dual	507	1293	NA	NA
Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D	451	1354	NA	NA
Radeon HD 7640G	450	1355	NA	NA
Radeon HD 7640G + 6400M Dual	526	1268	NA	NA
Radeon HD 7640G + 7400M Dual	637	1137	NA	NA
Radeon HD 7640G + 7450M Dual	754	1038	NA	NA
Radeon HD 7640G + 7470M Dual	595	1189	NA	NA
Radeon HD 7640G + 7500/7600 Dual	627	1154	NA	NA
Radeon HD 7640G + 7500M/7600M Dual	775	1013	NA	NA

<u>Radeon HD 7640G + 7600M Dual</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1078 (lower is better)	Videocard Value (higher is better)	Price (USD)
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<u>Radeon HD 7640G + 7650M Dual</u>	747	1043	NA	NA
<u>Radeon HD 7640G + 7670M Dual</u>	644	1134	NA	NA
<u>Radeon HD 7640G + 7690M Dual</u>	945	890	NA	NA
<u>Radeon HD 7640G + 7700M Dual</u>	690	1085	NA	NA

<u>Radeon HD 7640G + 8500M Dual</u>	585	1203	NA	NA
<u>Radeon HD 7640G + 8570M Dual</u>	558	1238	NA	NA
<u>Radeon HD 7640G + 8600/8700M Dual</u>	688	1087	NA	NA
<u>Radeon HD 7640G + 8600M Dual</u>	249	1532	NA	NA
<u>Radeon HD 7640G + 8670M Dual</u>	558	1237	NA	NA
<u>Radeon HD 7640G + 8750M Dual</u>	654	1122	NA	NA
<u>Radeon HD 7640G + HD 7400M Dual</u>	621	1160	NA	NA
<u>Radeon HD 7640G + HD 7500/7600 Dual</u>	423	1378	NA	NA
<u>Radeon HD 7640G + HD 7600M Dual</u>	704	1080	NA	NA
<u>Radeon HD 7640G + HD 7600M N HD 7600M Dual</u>	406	1394	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 7640G + HD 7670M Dual</u>	518	1278	NA	NA
<u>Radeon HD 7640G + HD 7700M Dual</u>	589	1196	NA	NA
<u>Radeon HD 7640G + HD 7700M N HD 7700M Dual</u>	630	1146	NA	NA
<u>Radeon HD 7640G + HD 8500M Dual</u>	607	1177	NA	NA
<u>Radeon HD 7640G + HD 8500M N HD 8500M Dual</u>	665	1110	NA	NA
<u>Radeon HD 7640G + HD 8570M Dual</u>	474	1324	NA	NA
<u>Radeon HD 7640G + HD 8600/8700M Dual</u>	586	1201	NA	NA
<u>Radeon HD 7640G + HD 8670M Dual</u>	677	1098	NA	NA
<u>Radeon HD 7640G + HD 8750M Dual</u>	996	852	NA	NA
<u>Radeon HD 7640G + R5 M200 Dual</u>	559	1235	NA	NA
<u>Radeon HD 7640G + R5 M230 Dual</u>	238	-1	NA	NA
<u>Radeon HD 7640G N HD 7640G + HD 7600M N HD 7600M D</u>	824	978	NA	NA
<u>Radeon HD 7640G N HD 7640G + HD 7670M Dual</u>	679	1096	NA	NA
<u>Radeon HD 7640G N HD 7640G + HD 8570M Dual</u>	422	1381	NA	NA
Radeon HD 7650A	570	1222	2.18	\$262.00*

<u>Video Card</u>	Passmark G3D	Rank	Videocard	Price
<u>Radeon HD 7650M</u>	Mark 450 /higher is	(lower is better)	Value NA /higher is	(less)
<u>Radeon HD 7650M</u>				
<u>Radeon HD 7660D</u>				
<u>Radeon HD 7660D + 6570 Dual</u>	1100	793	NA	NA
<u>Radeon HD 7660D + 6670 Dual</u>	1238	736	NA	NA
<u>Radeon HD 7660D + 7470 Dual</u>	465	1338	NA	NA
<u>Radeon HD 7660D + 7500 Dual</u>	1121	784	NA	NA
<u>Radeon HD 7660D + 7500 Dual</u>				
<u>Radeon HD 7660D + 7500 Dual</u>				
<u>Radeon HD 7660D + 7500 Dual</u>				
<u>Radeon HD 7660D + 7540D Dual</u>	1204	750	NA	NA
<u>Radeon HD 7660D + 7670 Dual</u>	1061	814	NA	NA
<u>Radeon HD 7660D + HD 6670 Dual</u>	1484	671	NA	NA
<u>Radeon HD 7660D + HD 7000 Dual</u>	633	1144	NA	NA
<u>Radeon HD 7660D + HD 7400 Dual</u>	339	1448	NA	NA
<u>Radeon HD 7660D + HD 7700 Dual</u>	1958	554	NA	NA
<u>Radeon HD 7660D + R5 235 Dual</u>	523	1271	NA	NA
<u>Radeon HD 7660D + R7 240 Dual</u>	941	893	NA	NA
<u>Radeon HD 7660G</u>	476	1322	NA	NA
<u>Radeon HD 7660G + 7400M Dual</u>	588	1199	NA	NA
<u>Radeon HD 7660G + 7470M Dual</u>	630	1147	NA	NA
<u>Radeon HD 7660G + 7600M Dual</u>	831	973	NA	NA
<u>Radeon HD 7660G + 7610M Dual</u>	745	1046	NA	NA
<u>Radeon HD 7660G + 7670M Dual</u>	743	1051	NA	NA
<u>Radeon HD 7660G + 7700M Dual</u>	757	1033	NA	NA
<u>Radeon HD 7660G + 7730M Dual</u>	931	897	NA	NA
<u>Radeon HD 7660G + 8600M Dual</u>	445	1362	NA	NA
<u>Radeon HD 7660G + 8670M Dual</u>	587	1200	NA	NA
<u>Radeon HD 7660G + HD 7500/7600 7500/7600 Dual</u>	1002	849	NA	NA
<u>Radeon HD 7660G + HD 7500/7600 Dual</u>	760	1030	NA	NA
<u>Radeon HD 7660G + HD 7500M/7600M Dual</u>	999	851	NA	NA
<u>Radeon HD 7660G + HD 7600M Dual</u>	615	1167	NA	NA
<u>Radeon HD 7660G + HD 7600M N HD 7600M Dual</u>	460	1346	NA	NA
<u>Radeon HD 7660G + HD 7670M Dual</u>	706	1077	NA	NA
<u>Radeon HD 7660G + HD 7700M Dual</u>	777	1009	NA	NA
<u>Radeon HD 7660G + HD 7730M Dual</u>	881	931	NA	NA
<u>Radeon HD 7660G + HD 8500M Dual</u>	758	1031	NA	NA
<u>Radeon HD 7660G + HD 8600/8700M Dual</u>	747	1044	NA	NA

Dual	Passmark G3D	Rank	Videocard	
Videocard Name	Mark Passmark G3D (higher is	Rank (lower is	Value Videocard-Value	Price Price(€)
Radeon HD 7660G + HD 8600M Dual	363	1430	NA	NA
Radeon HD 7660G + HD 8670M Dual	711	1073	NA	NA
Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D	722	1063	NA	NA
Radeon HD 7660G N HD 7660G + HD 7670M Dual	704	1079	NA	NA
Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D	966	871	NA	NA
Radeon HD 7670	812	988	NA	NA
Radeon HD 7670A	1050	820	NA	NA
Radeon HD 7670M	484	1315	0.77	\$629.99*
Radeon HD 7670M + 7670M Dual	738	1056	NA	NA
Radeon HD 7690M	1003	848	NA	NA
Radeon HD 7690M XT	1009	844	NA	NA
Radeon HD 7700-serie	1899	567	NA	NA
Radeon HD 7730	1229	744	5.28	\$232.70*
Radeon HD 7730M	670	1107	NA	NA
Radeon HD 7750	1712	614	17.13	\$99.99*
Radeon HD 7750M	1191	756	NA	NA
Radeon HD 7770	2195	497	7.32	\$300.00*
Radeon HD 7790	3090	372	22.07	\$139.99*
Radeon HD 7800-serie	4029	300	NA	NA
Radeon HD 7850	3821	314	22.48	\$169.99*
Radeon HD 7850M	1372	693	NA	NA
Radeon HD 7870	4666	272	26.51	\$176.00*
Radeon HD 7870 XT	4469	277	NA	NA
Radeon HD 7870M	1507	665	NA	NA
Radeon HD 7950 / R9 280	4764	266	36.04	\$132.20*
Radeon HD 7970 / R9 280X	5247	245	21.25	\$246.99*
Radeon HD 7970M	3774	317	NA	NA
Radeon HD 7990	5565	234	13.91	\$399.99*
Radeon HD 8180	138	1667	NA	NA
Radeon HD 8210	189	1601	NA	NA
Radeon HD 8210E	193	1594	NA	NA

<u>Radeon HD 8240</u>	240	1543	NA	NA
Videocard Name	Passmark G3D Mark	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 8250</u>	241	1542	NA	NA
<u>Radeon HD 8280E</u>	241	1542	NA	NA
<u>Radeon HD 8280G</u>	269	1512	NA	NA
<u>Radeon HD 8310E</u>	340	1447	NA	NA

<u>Radeon HD 8330</u>	251	1531	NA	NA
<u>Radeon HD 8330E</u>	245	1536	NA	NA
<u>Radeon HD 8350</u>	164	1628	1.65	\$99.81*
<u>Radeon HD 8350G</u>	304	1480	NA	NA
<u>Radeon HD 8370D</u>	312	1475	NA	NA
<u>Radeon HD 8400</u>	258	1524	NA	NA
<u>Radeon HD 8400E</u>	272	1509	NA	NA
<u>Radeon HD 8410G</u>	435	1370	NA	NA
<u>Radeon HD 8450G</u>	360	1432	NA	NA
<u>Radeon HD 8450G + 8600/8700M Dual</u>	1070	809	NA	NA
<u>Radeon HD 8450G + 8600M Dual</u>	545	1251	NA	NA
<u>Radeon HD 8450G + 8670M Dual</u>	474	1323	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 8450G + 8750M Dual</u>	637	1139	NA	NA
<u>Radeon HD 8450G + HD 8600M Dual</u>	452	1351	NA	NA
<u>Radeon HD 8450G + HD 8670M Dual</u>	574	1219	NA	NA
<u>Radeon HD 8450G + HD 8750M Dual</u>	503	1296	NA	NA
<u>Radeon HD 8450G + R5 M230 Dual</u>	578	1210	NA	NA
<u>Radeon HD 8470</u>	256	1525	NA	NA
<u>Radeon HD 8470D</u>	362	1431	NA	NA
<u>Radeon HD 8470D + 6450 Dual</u>	717	1070	NA	NA
<u>Radeon HD 8470D + 6570 Dual</u>	837	965	NA	NA
<u>Radeon HD 8470D + HD 6450 Dual</u>	862	947	NA	NA
<u>Radeon HD 8470D + HD 6670 Dual</u>	1435	680	NA	NA
<u>Radeon HD 8470D + HD 7500 Dual</u>	1545	653	NA	NA
<u>Radeon HD 8490</u>	264	1518	2.94	\$89.99*
<u>Radeon HD 8500M</u>	399	1403	NA	NA
<u>Radeon HD 8500M/8700M</u>	852	956	NA	NA
<u>Radeon HD 8510G</u>	365	1425	NA	NA

<u>Radeon HD 8510G + 8500M Dual</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1187 (lower is better)	Videocard Value (higher is better)	Price (USD)
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<u>Radeon HD 8550D</u>	685	1090	NA	NA
<u>Radeon HD 8550G</u>	401	1399	NA	NA
<u>Radeon HD 8550G + 7600M Dual</u>	901	916	NA	NA
<u>Radeon HD 8550G + 8500M Dual</u>	602	1181	NA	NA

<u>Radeon HD 8550G + 8570M Dual</u>	532	1264	NA	NA
<u>Radeon HD 8550G + 8600/8700M Dual</u>	802	994	NA	NA
<u>Radeon HD 8550G + 8600M Dual</u>	617	1164	NA	NA
<u>Radeon HD 8550G + 8670M Dual</u>	579	1208	NA	NA
<u>Radeon HD 8550G + 8690M Dual</u>	664	1112	NA	NA
<u>Radeon HD 8550G + 8750M Dual</u>	795	1000	NA	NA
<u>Radeon HD 8550G + HD 7600M Dual</u>	854	951	NA	NA
<u>Radeon HD 8550G + HD 8500M Dual</u>	558	1236	NA	NA
<u>Radeon HD 8550G + HD 8570M Dual</u>	529	1267	NA	NA
<u>Radeon HD 8550G + HD 8600/8700M Dual</u>	654	1123	NA	NA
<u>Radeon HD 8550G + HD 8600M Dual</u>	593	1191	NA	NA
<u>Radeon HD 8550G + HD 8670M Dual</u>	546	1250	NA	NA
<u>Radeon HD 8550G + HD 8750M Dual</u>	819	984	NA	NA
<u>Radeon HD 8550G + R5 M200 Dual</u>	619	1163	NA	NA
<u>Radeon HD 8550G + R5 M230 Dual</u>	487	1310	NA	NA
<u>Radeon HD 8550G N HD 8550G + HD 8600M N HD 8600M D</u>	611	1170	NA	NA
<u>Radeon HD 8570</u>	980	862	9.93	\$98.68*
<u>Radeon HD 8570 + 8670D Dual</u>	620	1162	NA	NA
<u>Radeon HD 8570 + HD 7660D Dual</u>	949	886	NA	NA
<u>Radeon HD 8570D</u>	432	1376	NA	NA
<u>Radeon HD 8570D + 6570 Dual</u>	1239	735	NA	NA
<u>Radeon HD 8570D + 6670 Dual</u>	1039	826	NA	NA
<u>Radeon HD 8570D + HD8490 Dual</u>	374	1421	NA	NA
<u>Radeon HD 8570D + HD 6570 Dual</u>	868	942	NA	NA
<u>Radeon HD 8570D + HD 6670 Dual</u>	1260	727	NA	NA
<u>Radeon HD 8570D + HD 7000 Dual</u>	753	1039	NA	NA
<u>Radeon HD 8570D + HD 7700 Dual</u>	1834	582	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

<u>Radeon HD 8570D + HD 8470 Dual</u> Videocard Name	Passmark G3D 338 Mark (higher is	Rank 1450 (lower is	Videocard NA Value (higher is	Price NA (USD)
<u>Radeon HD 8570D + R5 235 Dual</u>	470	1328	NA	NA
<u>Radeon HD 8570D + R7 200 Dual</u>	999	850	NA	NA
<u>Radeon HD 8570D + R7 240 Dual</u>	963	873	NA	NA
<u>Radeon HD 8570M</u>	421	1384	NA	NA

<u>Radeon HD 8600/8700M</u>	1029	829	NA	NA
<u>Radeon HD 8610G</u>	414	1387	NA	NA
<u>Radeon HD 8610G + 8500M Dual</u>	610	1175	NA	NA
<u>Radeon HD 8610G + 8600M Dual</u>	588	1197	NA	NA
<u>Radeon HD 8610G + 8670M Dual</u>	599	1185	NA	NA
<u>Radeon HD 8610G + HD 8500M Dual</u>	645	1133	NA	NA
<u>Radeon HD 8610G + HD 8600M Dual</u>	480	1316	NA	NA
<u>Radeon HD 8610G + HD 8670M Dual</u>	577	1211	NA	NA
<u>Radeon HD 8610G + R5 M200 Dual</u>	676	1100	NA	NA
<u>Radeon HD 8650D</u>	525	1270	NA	NA
<u>Radeon HD 8650G</u>	480	1317	NA	NA
<u>Radeon HD 8650G + 7600M Dual</u>	741	1053	NA	NA
<u>Radeon HD 8650G + 7670M Dual</u>	883	928	NA	NA
<u>Radeon HD 8650G + 7700M Dual</u>	1126	782	NA	NA
<u>Radeon HD 8650G + 8500M Dual</u>	626	1156	NA	NA
<u>Radeon HD 8650G + 8570M Dual</u>	654	1125	NA	NA
<u>Radeon HD 8650G + 8600/8700M Dual</u>	831	972	NA	NA
<u>Radeon HD 8650G + 8600M Dual</u>	613	1169	NA	NA
<u>Radeon HD 8650G + 8670M Dual</u>	635	1142	NA	NA
<u>Radeon HD 8650G + 8750M Dual</u>	786	1001	NA	NA
<u>Radeon HD 8650G + HD 7600M Dual</u>	819	983	NA	NA
<u>Radeon HD 8650G + HD 7670M Dual</u>	634	1143	NA	NA
<u>Radeon HD 8650G + HD 8570M Dual</u>	716	1071	NA	NA
<u>Radeon HD 8650G + HD 8600/8700M Dual</u>	763	1025	NA	NA
<u>Radeon HD 8650G + HD 8600M Dual</u>	606	1178	NA	NA
<u>Radeon HD 8650G + HD 8600M N HD 8600M Dual</u>	757	1032	NA	NA
<u>Radeon HD 8650G + HD 8670M Dual</u>	585	1204	NA	NA
<u>Radeon HD 8650G + HD 8750M Dual</u>	778	1007	NA	NA

<u>Radeon HD 8650G + HD 8790M Dual</u>	799	995	NA	NA
Videocard Name	Passmark G3D Mark	Rank (lower is better)	Videocard Value	Price (USD)
<u>Radeon HD 8650G + R5 M200 Dual</u>	773	1017	NA	NA
<u>Radeon HD 8650G N HD 8650G + HD 8570M Dual</u>	773	1017	NA	NA
<u>Radeon HD 8650G N HD 8650G + HD 8600/8700M Dual</u>	796	999	NA	NA

<u>Radeon HD 8650G N HD 8650G + HD 8600M N HD 8600M D</u>	679	1095	NA	NA
<u>Radeon HD 8670D</u>	540	1260	NA	NA
<u>Radeon HD 8670D + 6670 Dual</u>	1361	697	NA	NA
<u>Radeon HD 8670D + 7000 Dual</u>	811	989	NA	NA
<u>Radeon HD 8670D + 7700 Dual</u>	1788	598	NA	NA
<u>Radeon HD 8670D + 8570 Dual</u>	974	868	NA	NA
<u>Radeon HD 8670D + HD 6670 Dual</u>	1221	745	NA	NA
<u>Radeon HD 8670D + HD 7000 Dual</u>	718	1069	NA	NA
<u>Radeon HD 8670D + HD 7600 Dual</u>	1317	710	NA	NA
<u>Radeon HD 8670D + HD 7700 Dual</u>	1892	568	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 8670D + R5 235 Dual</u>	836	966	NA	NA
<u>Radeon HD 8670D + R5 330 Dual</u>	746	1045	NA	NA
<u>Radeon HD 8670D + R7 200 Dual</u>	949	884	NA	NA
<u>Radeon HD 8670D + R7 240 Dual</u>	1020	837	NA	NA
<u>Radeon HD 8670D N HD 8670D + HD 8670D Dual</u>	488	1309	NA	NA
<u>Radeon HD 8670M</u>	520	1275	NA	NA
<u>Radeon HD 8690A</u>	465	1335	NA	NA
<u>Radeon HD 8690M</u>	984	857	NA	NA
<u>Radeon HD 8730M</u>	661	1117	NA	NA
<u>Radeon HD 8750M</u>	879	933	NA	NA
<u>Radeon HD 8790M</u>	1305	717	NA	NA
<u>Radeon HD 8790M / R9 M290X</u>	1210	747	NA	NA
<u>Radeon HD 8850M</u>	973	869	NA	NA
<u>Radeon HD 8850M / R9 M265X</u>	1139	777	NA	NA
<u>Radeon HD 8870M</u>	1638	625	NA	NA
<u>Radeon HD 8870M / R9 M270X / M370X</u>	1799	592	NA	NA
<u>Radeon HD 8950</u>	2319	472	NA	NA

<u>Radeon HD 8970M</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD HD7850M</u>	1651	624	NA	NA
<u>Radeon HDG 4670</u>	170	1623	NA	NA
<u>RADEON IGP 34xM</u>	1	2258	NA	NA
<u>RADEON IGP 320</u>	3	2201	NA	NA

<u>Radeon IGP 320M</u>	3	2208	NA	NA
<u>Radeon IGP 340M</u>	2	2246	NA	NA
<u>RADEON IGP 345M</u>	2	2235	NA	NA
<u>RADEON IGP 350M</u>	6	2139	NA	NA
<u>Radeon Infoshock 3000</u>	106	1762	NA	NA
<u>Radeon Instinct MI25 MxGPU</u>	10466	112	NA	NA
<u>Radeon M535DX</u>	749	1042	NA	NA
<u>Radeon Pro</u>	3299	352	8.25	\$399.99*
<u>Radeon Pro 450</u>	2722	404	NA	NA
<u>Radeon Pro 455</u>	3112	369	6.93	\$449.00*
<u>Radeon Pro 460</u>	3452	336	NA	NA
<u>Radeon Pro 465</u>	4537	274	NA	NA
<u>Radeon Pro 555</u>	3140	366	2.99	\$1,049.00*
<u>Radeon Pro 560</u>	3475	335	NA	NA
<u>Radeon Pro 560X</u>	3677	321	NA	NA
<u>Radeon Pro 570</u>	6336	211	NA	NA
<u>Radeon Pro 580</u>	7753	182	NA	NA
<u>Radeon Pro 580X</u>	7540	186	NA	NA
<u>Radeon Pro 5300</u>	7491	189	NA	NA
<u>Radeon Pro 5300M</u>	5839	226	NA	NA
<u>Radeon Pro 5500 XT</u>	8298	166	NA	NA
<u>Radeon Pro 5500M</u>	6787	202	NA	NA
<u>Radeon Pro 5600M</u>	9152	144	NA	NA
<u>Radeon Pro 5700</u>	11844	97	NA	NA
<u>Radeon Pro 5700 XT</u>	12551	88	NA	NA
<u>Radeon Pro Duo</u>	8323	165	6.94	\$1,199.06*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon Pro Ryzen 5 PRO 5650U</u>	2486	448	NA	NA
<u>Radeon Pro Ryzen 7 PRO 5850U</u>	2306	476	NA	NA

<u>Radeon Pro SSG</u> Videocard Name	Passmark G3D Mark (higher is	Rank (lower is	Videocard Value (higher is	Price (USD)
	1047	11	36	\$2,410.15*
<u>Radeon Pro V520 MxGPU</u>	12852	84	NA	NA
<u>Radeon Pro Vega 16</u>	4682	270	NA	NA
<u>Radeon Pro Vega 20</u>	5116	252	NA	NA
<u>Radeon Pro Vega 48</u>	11352	104	NA	NA
<u>Radeon Pro Vega 56</u>	12386	90	NA	NA
<u>Radeon Pro Vega 64</u>	9795	127	NA	NA
<u>Radeon Pro Vega 64X</u>	14630	-1	NA	NA
<u>Radeon Pro Vega II</u>	14737	61	NA	NA
<u>Radeon Pro VII</u>	16853	41	NA	NA
<u>Radeon Pro W5500</u>	9257	140	19.25	\$480.99*
<u>Radeon Pro W5500M</u>	2010	534	NA	NA
<u>Radeon Pro W5700</u>	15039	59	9.11	\$1,649.99*
<u>Radeon PRO W6400</u>	5232	246	NA	NA
<u>Radeon PRO W6600</u>	14435	68	NA	NA
<u>Radeon PRO W6800</u>	19283	23	8.79	\$2,194.99*
<u>Radeon Pro WX 2100</u>	1762	604	NA	NA
<u>Radeon Pro WX 3100</u>	2615	424	NA	NA
<u>Radeon Pro WX 3200</u>	2455	452	10.82	\$226.99
<u>Radeon Pro WX 4100</u>	3768	319	7.54	\$499.99*
<u>Radeon Pro WX 4130</u>	1798	593	NA	NA
<u>Radeon Pro WX 4150</u>	2021	531	3.31	\$610.04*
<u>Radeon Pro WX 4170</u>	1409	686	NA	NA
<u>Radeon Pro WX 5100</u>	5508	238	10.00	\$550.95*
<u>Radeon Pro WX 7100</u>	7903	175	7.54	\$1,047.99*
<u>Radeon Pro WX 7130</u>	5721	230	NA	NA
<u>Radeon Pro WX 8200</u>	14014	69	8.76	\$1,599.39*
<u>Radeon Pro WX 9100</u>	13189	80	NA	NA
<u>Radeon Pro WX Vega M GL</u>	6049	219	NA	NA
<u>Radeon R1E</u>	301	1483	NA	NA
<u>Radeon R2</u>	242	1541	NA	NA
<u>Radeon R2E</u>	221	1555	NA	NA
<u>Radeon R3</u>	303	1481	NA	NA
<u>Radeon R3E</u>	205	1578	NA	NA

Radeon R4	Passmark G3D Mark	1457 Rank	Videocard Value	\$396.99*
Videocard Name	Mark (higher is better)	Rank (lower is better)	Value (higher is better)	Price (USD)
Radeon R5 230	221	1554	2.74	\$81.10*
Radeon R5 235	329	1460	5.47	\$60.13*
Radeon R5 235 + HD 7560D Dual	743	1049	NA	NA

Radeon R5 235 + HD 8570D Dual	737	1057	NA	NA
Radeon R5 235X	277	1507	NA	NA
Radeon R5 240	518	1277	6.10	\$85.00*
Radeon R5 310	331	1456	0.66	\$499.00*
Radeon R5 330	513	1285	1.51	\$339.99*
Radeon R5 340	996	853	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R5 420	574	1217	14.39	\$39.95*
Radeon R5 430	939	894	15.93	\$59.00*
Radeon R5 435	840	960	NA	NA
Radeon R5 A6-7480	675	1103	NA	NA
Radeon R5 A6-8500P	776	1011	NA	NA
Radeon R5 A6-9400 RADEON R5, 6 COMPUTE CORES 2C+4G	680	1093	NA	NA
Radeon R5 A6-9500 2C+6G	1040	825	NA	NA
Radeon R5 A6-9500E 2C+4G	1014	841	NA	NA
Radeon R5 A10-9600P 4C+6G	805	993	NA	NA
Radeon R5 A10-9620P 4C+6G	796	998	NA	NA
Radeon R5 A10-9630P 4C+6G	1366	694	NA	NA
Radeon R5 A240	576	1215	NA	NA
Radeon R5 M230	395	1404	NA	NA
Radeon R5 M240	432	1373	NA	NA
Radeon R5 M255	517	1279	NA	NA
Radeon R5 M315	455	1349	NA	NA
Radeon R5 M320	422	1382	NA	NA
Radeon R5 M330	595	1188	NA	NA
Radeon R5 M335	548	1245	NA	NA
Radeon R5 M420	470	1329	NA	NA
Radeon R5 M430	648	1130	NA	NA

Radeon R5 M435	806	991	NA	NA
Videocard Name	Passmark G3D Mark	Rank (lower is better)	Videocard Value	Price (USD)
Radeon R5 Opteron X3216	804	1205	NA	NA

Radeon R5 PRO A6-8530B 2C+4G	689	1086	NA	NA
Radeon R5 PRO A6-8570 2C+6G	1079	806	NA	NA
Radeon R5 PRO A6-8570E 2C+4G	839	962	NA	NA
Radeon R5 PRO A6-9500 2C+6G	895	921	NA	NA

Radeon R5 PRO A6-9500B 2C+4G	693	1084	NA	NA
Radeon R5 PRO A6-9500E 2C+4G	877	934	NA	NA
Radeon R5 PRO A8-9600B 4C+6G	845	959	NA	NA
Radeon R5 PRO A10-8730B 4C+6G	822	979	NA	NA
Radeon R5E	293	1488	NA	NA
Radeon R6	654	1124	NA	NA
Radeon R6 + R7 M265DX Dual	570	1223	NA	NA
Radeon R6 A8-8600P	560	1234	NA	NA
Radeon R6 A10-8700P	680	1094	NA	NA
Radeon R6 A10-9600P 4C+6G	970	870	NA	NA
Radeon R6 M255DX	572	1220	NA	NA
Radeon R6 Opteron X3418	955	878	NA	NA
Radeon R6 PRO A8-8600B 4C+6G	593	1190	NA	NA
Radeon R6 PRO A10-8700B 4C+6G	572	1221	NA	NA
Radeon R7 240	862	945	7.85	\$109.99*
Radeon R7 240 + HD 8570D Dual	917	907	NA	NA
Radeon R7 240 + HD 8670D Dual	930	899	NA	NA
Radeon R7 250	1117	786	5.88	\$189.97*
Radeon R7 250X	2268	486	11.70	\$194.00*
Radeon R7 260	2891	386	32.13	\$89.99*
Radeon R7 260X	3147	365	22.48	\$139.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 340	930	898	NA	NA
Radeon R7 360	3029	376	20.75	\$145.99*
Radeon R7 370	4491	276	NA	NA
Radeon R7 430	1096	797	5.48	\$199.99*
Radeon R7 450	1965	550	6.57	\$299.00*
Radeon R7 7850A10-7850K	551	1243	NA	NA
Radeon R7 +8G	1190	757	NA	NA

<u>Radeon R7 + HD 7700 Dual</u> Videocard Name	Passmark G3D Mark (higher is	Rank 552 (lower is	Videocard Value (higher is	Price (USD)
<u>Radeon R7 + R5 340 Dual</u>	1234	740	NA	NA
<u>Radeon R7 + R5 435 Dual A10-9700 RADEON</u>	885	927	NA	NA
<u>Radeon R7 + R5 Dual</u>	897	919	NA	NA
<u>Radeon R7 + R7 200 Dual</u>	1128	781	NA	NA
<u>Radeon R7 + R7 240 Dual</u>	1045	824	NA	NA
<u>Radeon R7 + R7 250 Dual</u>	1232	742	NA	NA
<u>Radeon R7 + R7 350 Dual</u>	1982	542	NA	NA
<u>Radeon R7 A8 PRO-7600B</u>	743	1050	NA	NA
<u>Radeon R7 A8-7500</u>	1027	833	NA	NA
<u>Radeon R7 A8-7500 4C+6G</u>	853	955	NA	NA
<u>Radeon R7 A8-7600</u>	922	904	NA	NA
<u>Radeon R7 A8-7650K</u>	862	946	NA	NA
<u>Radeon R7 A8-7670K</u>	876	935	NA	NA
<u>Radeon R7 A8-7680</u>	948	887	NA	NA
<u>Radeon R7 A8-8650</u>	912	911	NA	NA
<u>Radeon R7 A8-9600 RADEON</u>	1068	810	NA	NA
<u>Radeon R7 A10 Extreme Edition</u>	816	987	NA	NA
<u>Radeon R7 A10 PRO-7800B</u>	756	1034	NA	NA
<u>Radeon R7 A10 PRO-7850B</u>	962	875	NA	NA
<u>Radeon R7 A10-7700K</u>	896	920	NA	NA
<u>Radeon R7 A10-7800</u>	889	924	NA	NA
<u>Radeon R7 A10-7850K</u>	1021	835	NA	NA
<u>Radeon R7 A10-7860K</u>	974	867	NA	NA
<u>Radeon R7 A10-7870K</u>	1122	783	NA	NA
<u>Radeon R7 A10-7890K</u>	1152	773	NA	NA
<u>Radeon R7 A10-8750</u>	976	865	NA	NA
<u>Radeon R7 A10-8850</u>	1114	788	NA	NA
<u>Radeon R7 A10-9700 RADEON</u>	1166	764	NA	NA
<u>Radeon R7 A10-9700E RADEON</u>	1100	791	NA	NA
<u>Radeon R7 A12-9700P RADEON</u>	754	1037	1.73	\$435.92*
<u>Radeon R7 A12-9720P RADEON</u>	921	906	2.52	\$365.48*
<u>Radeon R7 A12-9730P RADEON</u>	861	949	NA	NA
<u>Radeon R7 A12-9800 RADEON</u>	1248	731	NA	NA

Radeon R7 A12-9800E RADEON	Passmark G3D Mark 195	Rank 790	Videocard Value 7.94	Price \$139.19*
Videocard Name	Mark	Rank	Value	Price
	(higher is better)	(lower is better)	(higher is better)	(USD)
Radeon R7 A365	781	1004	NA	NA
Radeon R7 A370	1281	723	NA	NA
Radeon R7 FX-8800P	1029	830	NA	NA

Radeon R7 FX-9800P RADEON	848	958	1.60	\$530.00*
Videocard Name	Passmark G3D Mark	Rank	Videocard Value	Price
	(higher is better)	(lower is better)	(higher is better)	(USD)
Radeon R7 FX-9830P RADEON	1790	597	NA	NA
Radeon R7 G	869	940	NA	NA
Radeon R7 M260	448	1359	0.56	\$799.00*
Radeon R7 M260DX	822	981	NA	NA
Radeon R7 M260X	954	880	NA	NA
Radeon R7 M265	565	1227	NA	NA
Radeon R7 M265DX	498	1299	NA	NA
Radeon R7 M270	750	1040	NA	NA
Radeon R7 M270DX	961	-1	NA	NA
Radeon R7 M340	651	1127	NA	NA
Radeon R7 M350	1027	834	NA	NA
Radeon R7 M360	551	1241	NA	NA
Radeon R7 M365X	883	929	NA	NA
Radeon R7 M370	1417	685	NA	NA
Radeon R7 M380	1668	622	NA	NA
Radeon R7 M440	868	941	NA	NA
Radeon R7 M445	926	901	1.25	\$744.00*
Radeon R7 M460	1074	808	NA	NA
Radeon R7 M465	995	854	NA	NA
Radeon R7 M465X	1623	628	NA	NA
Radeon R7 Opteron X3421	1168	763	NA	NA
Radeon R7 PRO A6-9500 2C+6G	781	1003	NA	NA
Radeon R7 PRO A8-8650B	832	971	NA	NA
Radeon R7 PRO A8-8670E	1309	714	NA	NA
Radeon R7 PRO A8-9600	1049	822	NA	NA
Radeon R7 PRO A10-8750B	954	881	NA	NA
Radeon R7 PRO A10-8770	1319	708	NA	NA

<u>Radeon R7 PRO A10-8770E</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 778 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon R7 PRO A10-9700</u>	1263	726	NA	NA
<u>Radeon R7 PRO A10-9700B</u>	1066	812	NA	NA
<u>Radeon R7 PRO A10-9700E</u>	1142	776	2.16	\$529.00*
<u>Radeon R7 PRO A12-8800B</u>	743	1048	NA	NA

<u>Radeon R7 PRO A12-8830B</u>	882	930	NA	NA
<u>Radeon R7 PRO A12-8870</u>	1375	692	NA	NA
<u>Radeon R7 PRO A12-8870E</u>	1160	770	NA	NA
<u>Radeon R7 PRO A12-9800</u>	1340	705	NA	NA
<u>Radeon R7 PRO A12-9800B</u>	829	975	NA	NA
<u>Radeon R7 PRO A12-9800E</u>	1014	840	NA	NA
<u>Radeon R7E</u>	564	1229	NA	NA
<u>Radeon R8 M365DX</u>	740	1054	NA	NA
<u>Radeon R8 M445DX</u>	806	992	NA	NA
<u>Radeon R8 M535DX</u>	670	1108	NA	NA
<u>Radeon R9 255</u>	1484	672	4.31	\$344.16*
<u>Radeon R9 260</u>	3181	359	NA	NA
<u>Radeon R9 270</u>	4306	288	NA	NA
<u>Radeon R9 270 / R7 370</u>	4259	293	19.98	\$213.16*
<u>Radeon R9 270X</u>	4925	260	15.09	\$326.50*
<u>Radeon R9 280</u>	5669	231	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon R9 280X</u>	6289	213	NA	NA
<u>Radeon R9 285</u>	6680	-1	NA	NA
<u>Radeon R9 285 / 380</u>	5549	236	11.44	\$485.00*
<u>Radeon R9 290</u>	8401	162	NA	NA
<u>Radeon R9 290 / 390</u>	8150	169	21.45	\$380.00*
<u>Radeon R9 290X</u>	8823	153	NA	NA
<u>Radeon R9 290X / 390X</u>	8389	163	26.22	\$319.99*
<u>Radeon R9 295X2</u>	8619	159	17.27	\$499.10*
<u>Radeon R9 350</u>	2026	530	6.78	\$299.00*
<u>Radeon R9 360</u>	3031	375	22.64	\$133.89*
<u>Radeon R9 370</u>	4722	269	29.51	\$159.99*
<u>Radeon R9 380</u>	6259	215	69.55	\$89.99*

<u>Radeon R9 380X</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 217 (lower is better)	Videocard Value (higher is better)	Price (USD)
			7.73	\$349.99*
<u>Radeon R9 390X</u>	9480	134	NA	NA
<u>Radeon R9 A375</u>	1024	-1	NA	NA
<u>Radeon R9 Fury</u>	9564	133	21.58	\$443.10*
<u>Radeon R9 Fury + Fury X</u>	9741	128	21.65	\$449.99*
<u>Radeon R9 Fury X</u>	10133	121	NA	NA
<u>Radeon R9 M265X</u>	983	858	NA	NA
<u>Radeon R9 M270X</u>	1204	751	NA	NA
<u>Radeon R9 M275</u>	1114	787	1.59	\$699.99*
<u>Radeon R9 M275X</u>	1962	551	NA	NA
<u>Radeon R9 M275X / M375</u>	1574	644	NA	NA
<u>Radeon R9 M280X</u>	922	905	NA	NA
<u>Radeon R9 M290X</u>	3246	354	NA	NA
<u>Radeon R9 M295X</u>	5150	251	3.55	\$1,449.00*
<u>Radeon R9 M360</u>	1760	605	NA	NA
<u>Radeon R9 M365X</u>	1481	673	NA	NA
<u>Radeon R9 M370X</u>	1382	690	1.55	\$889.00*
<u>Radeon R9 M375</u>	837	964	NA	NA
<u>Radeon R9 M375X</u>	1877	571	NA	NA
<u>Radeon R9 M380</u>	2903	385	NA	NA
<u>Radeon R9 M385</u>	2017	532	NA	NA
<u>Radeon R9 M385X</u>	1929	561	NA	NA
<u>Radeon R9 M390X</u>	3020	378	NA	NA
<u>Radeon R9 M395</u>	4991	256	NA	NA
<u>Radeon R9 M395X</u>	4775	264	NA	NA
<u>Radeon R9 M470</u>	2288	481	NA	NA
<u>Radeon R9 M470X</u>	3400	339	NA	NA
<u>Radeon R9 M485X</u>	3204	357	NA	NA
<u>Radeon RX590 GME</u>	8627	157	NA	NA
<u>Radeon RX 460</u>	4125	298	24.73	\$166.81*
<u>Radeon RX 470/570</u>	8088	171	20.79	\$388.99*
<u>Radeon RX 480</u>	8672	155	25.51	\$339.99*
<u>Radeon RX 540</u>	1794	596	NA	NA
<u>Radeon RX 550</u>	2716	406	15.51	\$175.22

Radeon RX 550X	Passmark G3D	478 Rank	NA Videocard Value	NA Price
Videocard Name	Mark	(lower is better)	(higher is better)	(USD)

videocard name	mark (higher is better)	(lower is better)	(higher is better)	(USD)
Radeon RX 560X	3181	360	NA	NA
Radeon RX 570X	1923	562	6.87	\$279.99*
Radeon RX 580	8914	150	24.49	\$364.01*

Radeon RX 580 2048SP	7835	177	NA	NA
Radeon RX 580X	7798	179	NA	NA
Radeon RX 590	9663	131	17.57	\$549.99*
Radeon RX 640	1655	623	NA	NA
Radeon RX 5300	7610	185	NA	NA
Radeon RX 5300M	3854	311	NA	NA
Radeon RX 5500	8826	152	NA	NA
Radeon RX 5500 XT	9187	143	49.67	\$184.99*
Radeon RX 5500M	4302	289	NA	NA
Radeon RX 5600	11029	109	NA	NA
Radeon RX 5600 XT	13833	75	25.38	\$545.00*
Radeon RX 5600M	7434	190	NA	NA
Radeon RX 5700	14666	64	16.30	\$899.95*
Radeon RX 5700 XT	16899	39	24.32	\$694.94*
Radeon RX 5700 XT 50th Anniversary	16634	43	NA	NA
Radeon RX 6400	6700	205	39.42	\$169.99
Radeon RX 6500 XT	9363	139	46.82	\$199.99
Radeon RX 6600	13960	71	42.43	\$329.00*
Radeon RX 6600 XT	15880	53	44.11	\$359.99
Radeon RX 6600M	10394	115	37.13	\$279.99
Radeon RX 6650 XT	16199	47	41.54	\$389.99
Radeon RX 6650M	6212	216	NA	NA
Radeon RX 6700 XT	18902	27	45.01	\$419.99
Radeon RX 6700M	11965	96	NA	NA
Radeon RX 6700S	12507	89	NA	NA
Radeon RX 6750 XT	19176	24	34.87	\$549.99
Radeon RX 6800	20802	15	36.50	\$569.99
Radeon RX 6800 XT	23651	8	35.04	\$674.99
Radeon RX 6800M	9434	137	NA	NA

Radeon RX 6800S	Passmark G3D Mark 1717	72 Rank (lower is better)	Videocard Value NA	Price NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon RX Vega11	1717	613	NA	NA
Radeon RX Vega 6	1014	842	NA	NA
Radeon RX Vega 8	1552	650	NA	NA
Radeon RX Vega 10	1680	620	NA	NA
Radeon RX Vega 11	2130	511	2.13	\$1,002.00*
Radeon RX Vega 11 PRD	2401	460	NA	NA
Radeon RX Vega 11 Processor	1821	584	NA	NA
Radeon RX Vega 56	13633	77	18.11	\$752.99*
Radeon RX Vega 64	14656	65	18.32	\$799.99*
Radeon RX Vega M GH	6738	203	NA	NA
Radeon RX Vega M GL	3367	344	NA	NA
Radeon Ryzen 3 4300G	1595	639	NA	NA
Radeon Ryzen 3 4300GE	2294	479	NA	NA
Radeon Ryzen 3 4300U	1319	709	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon Ryzen 3 5300G	1405	687	NA	NA
Radeon Ryzen 3 5300GE	1418	-1	NA	NA
Radeon Ryzen 3 5400U	1202	752	NA	NA
Radeon Ryzen 3 PRO 4200GE	1712	615	NA	NA
Radeon Ryzen 3 PRO 4350G	2168	505	NA	NA
Radeon Ryzen 3 PRO 4350GE	1514	663	NA	NA
Radeon Ryzen 3 PRO 4450U	1521	661	NA	NA
Radeon Ryzen 3 PRO 5350G	1407	-1	NA	NA
Radeon Ryzen 3 PRO 5350GE	2535	-1	NA	NA
Radeon Ryzen 3 PRO 5450U	1497	667	NA	NA
Radeon Ryzen 5 4500U	1802	591	NA	NA
Radeon Ryzen 5 4600G	2142	509	NA	NA
Radeon Ryzen 5 4600GE	1411	-1	NA	NA
Radeon Ryzen 5 4600H	2642	420	NA	NA
Radeon Ryzen 5 4600HS	7942	-1	NA	NA
Radeon Ryzen 5 4600U	1768	601	NA	NA
Radeon Ryzen 5 5560U	2083	518	NA	NA

<u>Radeon Ryzen 5 5600G</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 436 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon Ryzen 5 5600U</u>	2028	529	NA	NA
<u>Radeon Ryzen 5 Microsoft Surface Edition</u>	2102	514	NA	NA
<u>Radeon Ryzen 5 PRO 4650G</u>	2390	462	NA	NA
<u>Radeon Ryzen 5 PRO 4650GE</u>	2013	533	NA	NA
<u>Radeon Ryzen 5 PRO 4650U</u>	1697	619	NA	NA
<u>Radeon Ryzen 5 PRO 5650G</u>	2189	500	NA	NA
<u>Radeon Ryzen 5 PRO 5650GE</u>	2331	471	NA	NA
<u>Radeon Ryzen 5 PRO 5650U</u>	2096	516	NA	NA
<u>Radeon Ryzen 7 4700G</u>	2534	441	NA	NA
<u>Radeon Ryzen 7 4700GE</u>	2579	432	NA	NA
<u>Radeon Ryzen 7 4700U</u>	2029	528	NA	NA
<u>Radeon Ryzen 7 4800H</u>	4983	257	NA	NA
<u>Radeon Ryzen 7 4800HS</u>	8841	151	NA	NA
<u>Radeon Ryzen 7 4800U</u>	2263	488	NA	NA
<u>Radeon Ryzen 7 4850U Mobile</u>	2137	-1	NA	NA
<u>Radeon Ryzen 7 5700G</u>	2800	397	NA	NA
<u>Radeon Ryzen 7 5700GE</u>	2964	380	NA	NA
<u>Radeon Ryzen 7 5800H</u>	2678	414	NA	NA
<u>Radeon Ryzen 7 5800U</u>	2343	466	NA	NA
<u>Radeon Ryzen 7 Microsoft Surface Edition</u>	2284	483	NA	NA
<u>Radeon Ryzen 7 PRO 4750G</u>	2603	428	NA	NA
<u>Radeon Ryzen 7 PRO 4750GE</u>	2192	498	NA	NA
<u>Radeon Ryzen 7 PRO 4750U</u>	2031	526	NA	NA
<u>Radeon Ryzen 7 PRO 5750G</u>	2409	459	NA	NA
<u>Radeon Ryzen 7 PRO 5750GE</u>	2642	421	NA	NA
<u>Radeon Ryzen 7 PRO 5850U</u>	2235	491	NA	NA
<u>Radeon Ryzen 9 4900H</u>	2611	425	NA	NA
<u>Radeon Ryzen 9 4900HS</u>	8572	160	NA	NA
<u>Radeon Ryzen 9 4900HSS</u>	9460	-1	NA	NA
<u>Radeon Ryzen 9 5900H</u>	2754	-1	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon Ryzen 9 5900HS</u>	8428	161	NA	NA
<u>Radeon Ryzen 9 5900HX</u>	2961	382	NA	NA

<u>Radeon Ryzen Embedded V2516</u> Videocard Name	Passmark G3D Mark (higher is	Rank 767 (lower is	Videocard Value (higher is	Price (USD)
<u>Radeon Ryzen Embedded V2748</u>	1296	-1	NA	NA
<u>Radeon Sky 500</u>	4736	267	NA	NA
<u>Radeon TM R9 A360</u>	2105	513	NA	NA
<u>Radeon VE</u>	2	2252	NA	NA
<u>Radeon Vega 2</u>	470	1330	NA	NA
<u>Radeon Vega 3</u>	886	926	0.33	\$2,677.99*
<u>Radeon Vega 3 Mobile</u>	1009	843	NA	NA
<u>Radeon Vega 6</u>	1300	718	0.72	\$1,799.99*
<u>Radeon Vega 8</u>	1590	642	12.54	\$126.86*
<u>Radeon Vega 8 Mobile</u>	1438	679	NA	NA
<u>Radeon Vega 9</u>	1591	641	NA	NA
<u>Radeon Vega 10</u>	1550	651	NA	NA
<u>Radeon Vega 10 Mobile</u>	1465	676	NA	NA
<u>Radeon Vega 11</u>	1846	577	NA	NA
<u>Radeon Vega Frontier Edition</u>	13847	74	8.24	\$1,679.99*
<u>Radeon VII</u>	16798	42	8.84	\$1,899.95*
<u>RADEON X300SE</u>	38	1992	NA	NA
<u>RADEON X550</u>	50	1939	NA	NA
<u>RADEON X550XT</u>	56	1927	NA	NA
<u>Radeon X550XTX</u>	70	1876	NA	NA
<u>RADEON X600 256MB HyperMemory</u>	56	1926	NA	NA
<u>RADEON X600XT</u>	91	1813	NA	NA
<u>RADEON X700</u>	72	1869	NA	NA
<u>RADEON X700 PRO</u>	75	1855	NA	NA
<u>RADEON X700 SE</u>	71	1874	NA	NA
<u>RADEON X800 GT</u>	84	1832	NA	NA
<u>RADEON X800 GTO</u>	114	1734	NA	NA
<u>RADEON X800 PRO</u>	64	1900	NA	NA
<u>RADEON X800 PRO/GTO</u>	73	1866	NA	NA
<u>RADEON X800 SE</u>	129	1687	NA	NA
<u>RADEON X800 XL</u>	69	1882	NA	NA
<u>RADEON X800 XT</u>	97	1793	NA	NA
<u>RADEON X800 XT Platinum Edition</u>	81	1847	NA	NA

<u>RADEON X800GT</u>	Passmark G3D Mark (higher is better)	1852 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
<u>Videocard Name</u>				
<u>RADEON X850 XT Platinum Edition</u>	81	1840	NA	NA
<u>Radeon X1050</u>	49	1946	NA	NA
<u>Radeon X1200</u>	32	2026	NA	NA

<u>Radeon X1250</u>	37	1996	NA	NA
<u>Radeon X1270</u>	31	2031	NA	NA
<u>Radeon X1300</u>	58	1919	0.61	\$95.78*
<u>Radeon X1300 PRO</u>	84	1830	NA	NA
<u>Radeon X1550</u>	66	1895	0.43	\$155.00*
<u>Radeon X1550 64-bit</u>	47	1952	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon X1600</u>	49	1943	NA	NA
<u>Radeon X1600 Pro</u>	98	1785	NA	NA
<u>Radeon X1600 Pro / X1300XT</u>	69	1883	NA	NA
<u>Radeon X1600 XT</u>	115	1731	NA	NA
<u>Radeon X1650 GTO</u>	74	1858	NA	NA
<u>Radeon X1650 Pro</u>	84	1827	0.53	\$160.89*
<u>Radeon X1650 SE</u>	71	1875	NA	NA
<u>Radeon X1700 Targa Edition</u>	116	1728	NA	NA
<u>Radeon X1800 GTO</u>	140	1660	NA	NA
<u>Radeon X1900 CrossFire Edition</u>	137	1672	NA	NA
<u>Radeon X1900 GT</u>	145	1653	NA	NA
<u>Radeon X1950 CrossFire Edition</u>	151	1640	NA	NA
<u>Radeon X1950 GT</u>	106	1764	NA	NA
<u>Radeon X1950 Pro</u>	112	1741	NA	NA
<u>RADEON XPRESS 200</u>	29	2039	NA	NA
<u>RADEON XPRESS 200 CROSSFIRE</u>	18	2082	NA	NA
<u>RADEON XPRESS 200M</u>	22	2071	NA	NA
<u>Radeon Xpress 1100</u>	34	2015	NA	NA
<u>Radeon Xpress 1150</u>	29	2037	NA	NA
<u>Radeon Xpress 1200</u>	35	2004	NA	NA
<u>Radeon Xpress 1250</u>	42	1970	NA	NA
<u>Radeon Xpress 1270</u>	26	2048	NA	NA

<u>Radeon Xpress 1300</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1931 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon. HD 7730M</u>	928	900	NA	NA
<u>RadeonT</u>	132	-1	NA	NA
<u>RadeonT 540X</u>	1804	590	NA	NA
<u>RadeonT R5 430</u>	1016	839	NA	NA
<u>RadeonT R7 450</u>	2184	502	NA	NA
<u>RadeonT RX 560X</u>	1809	588	NA	NA
<u>RadeonT RX 640</u>	1473	674	NA	NA
<u>RadeonT RX 5300</u>	7321	192	NA	NA
<u>RadeonT RX 5500M</u>	3165	361	NA	NA
<u>RadeonT RX 6850M</u>	15899	52	NA	NA
<u>RadeonT Vega 3</u>	774	-1	NA	NA
<u>Rage 128 Pro</u>	1	2261	NA	NA
<u>RAGE 128 PRO AGP 4X TMDS</u>	1	2263	NA	NA
<u>Rage Fury Pro/Xpert 2000 Pro</u>	3	2223	NA	NA
<u>Red Hat QXL controller</u>	31	2030	NA	NA
<u>RGH Drivers v3</u>	11	2102	NA	NA
<u>RIVA TNT2 Model 64/Model 64 Pro</u>	3	2200	NA	NA
<u>RIVA TNT2/TNT2 Pro</u>	3	2212	NA	NA
<u>RTX A1000 Laptop GPU</u>	10338	116	NA	NA
<u>RTX A2000</u>	13180	81	15.58	\$845.99*
<u>RTX A2000 8GB Laptop GPU</u>	10409	114	NA	NA
<u>RTX A2000 12GB</u>	14605	66	NA	NA
<u>RTX A2000 Laptop GPU</u>	10170	120	NA	NA
<u>RTX A3000 12GB Laptop GPU</u>	14680	63	NA	NA
<u>RTX A3000 Laptop GPU</u>	13178	82	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>RTX A4000</u>	18966	26	15.37	\$1,233.98*
<u>RTX A4000 Laptop GPU</u>	16029	51	NA	NA
<u>RTX A4500</u>	21096	14	12.04	\$1,752.60*
<u>RTX A5000</u>	23630	9	8.98	\$2,631.20*
<u>RTX A5000 Laptop GPU</u>	16080	50	NA	NA
<u>RTX A5500</u>	23977	7	NA	NA
<u>RTX A5500 Laptop GPU</u>	16981	38	NA	NA

RTX A6000 Videocard Name	Passmark G3D Mark (higher is	Rank 12 (lower is	Videocard Value (higher is	Price \$4,999.99 (USD)
Ryzen 3 4300G with Radeon Graphics	1902	566	NA	NA
Ryzen 3 4300GE with Radeon Graphics	2402	-1	NA	NA
Ryzen 3 4300U with Radeon Graphics	1348	700	NA	NA
Ryzen 3 5300G with Radeon Graphics	2223	492	NA	NA
Ryzen 3 5300GE with Radeon Graphics	2386	464	NA	NA
Ryzen 3 5300U with Radeon Graphics	1609	634	NA	NA
Ryzen 3 5400U with Radeon Graphics	1734	610	NA	NA
Ryzen 3 PRO 4200G with Radeon Graphics	1798	-1	NA	NA
Ryzen 3 PRO 4200GE with Radeon Graphics	1783	599	NA	NA
Ryzen 3 PRO 4300U with Radeon Graphics	1542	655	NA	NA
Ryzen 3 Pro 4350G with Radeon Graphics	2190	499	NA	NA
Ryzen 3 PRO 4350GE with Radeon Graphics	2180	503	NA	NA
Ryzen 3 PRO 4450U with Radeon Graphics	1538	658	NA	NA
Ryzen 3 PRO 5350G with Radeon Graphics	2341	468	NA	NA
Ryzen 3 PRO 5350GE with Radeon Graphics	2340	469	NA	NA
Ryzen 3 PRO 5450U with Radeon Graphics	1555	648	NA	NA
Ryzen 5 2500U with Radeon Vega	1503	666	NA	NA
Ryzen 5 4500U with Radeon Graphics	1812	586	NA	NA
Ryzen 5 4600G with Radeon Graphics	2061	521	NA	NA
Ryzen 5 4600H with Radeon Graphics	1938	559	NA	NA
Ryzen 5 4600U with Radeon Graphics	1951	556	NA	NA
Ryzen 5 5500U with Radeon Graphics	2000	541	NA	NA
Ryzen 5 5600G with Radeon Graphics	2678	413	NA	NA
Ryzen 5 5600GE with Radeon Graphics	2601	429	NA	NA
Ryzen 5 5600H with Radeon Graphics	2386	463	NA	NA
Ryzen 5 5600U with Radeon Graphics	2147	508	NA	NA
Ryzen 5 PRO 4400G with Radeon Graphics	2305	477	NA	NA
Ryzen 5 PRO 4400GE with Radeon Graphics	1441	678	NA	NA
Ryzen 5 PRO 4500U with Radeon	2007	536	NA	NA

<u>Graphics</u>	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Videocard Name				
<u>Ryzen 5 PRO 4650G with Radeon Graphics</u>	1698	618	NA	NA
<u>Ryzen 5 PRO 4650U with Radeon Graphics</u>	1698	618	NA	NA
<u>Ryzen 5 PRO 4650GE with Radeon Graphics</u>	1698	618	NA	NA
<u>Ryzen 5 PRO 5650G with Radeon Graphics</u>	2522	445	NA	NA
<u>Ryzen 5 PRO 5650GE with Radeon Graphics</u>	2522	445	NA	NA
<u>Ryzen 5 PRO 5650U with Radeon Graphics</u>	2522	445	NA	NA

<u>Ryzen 5 PRO 5650GE with Radeon Graphics</u>	2470	450	NA	NA
<u>Ryzen 5 PRO 5650U with Radeon Graphics</u>	2199	496	NA	NA
<u>Ryzen 7 2700U with Radeon Vega</u>	1617	631	NA	NA
<u>Ryzen 7 4700G with Radeon Graphics</u>	2186	501	NA	NA
<u>Ryzen 7 4700GE with Radeon Graphics</u>	2496	447	NA	NA
<u>Ryzen 7 4700U with Radeon Graphics</u>	2033	525	NA	NA
<u>Ryzen 7 4800H with Radeon Graphics</u>	2113	512	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Ryzen 7 4800HS with Radeon Graphics</u>	6999	-1	NA	NA
<u>Ryzen 7 4800U with Radeon Graphics</u>	2343	467	NA	NA
<u>Ryzen 7 5700G with Radeon Graphics</u>	2717	405	NA	NA
<u>Ryzen 7 5700GE with Radeon Graphics</u>	2675	415	NA	NA
<u>Ryzen 7 5700U with Radeon Graphics</u>	2285	482	NA	NA
<u>Ryzen 7 5800H with Radeon Graphics</u>	2798	398	NA	NA
<u>Ryzen 7 5800HS with Radeon Graphics</u>	7391	-1	NA	NA
<u>Ryzen 7 5800U with Radeon Graphics</u>	2434	456	NA	NA
<u>Ryzen 7 Extreme Edition</u>	2157	507	NA	NA
<u>Ryzen 7 PRO 4700G with Radeon Graphics</u>	2879	-1	NA	NA
<u>Ryzen 7 Pro 4750G with Radeon Graphics</u>	2681	411	NA	NA
<u>Ryzen 7 PRO 4750GE with Radeon Graphics</u>	2549	435	NA	NA
<u>Ryzen 7 PRO 4750U with Radeon Graphics</u>	2029	527	NA	NA
<u>Ryzen 7 PRO 5750G with Radeon Graphics</u>	2590	431	NA	NA
<u>Ryzen 7 PRO 5750GE with Radeon Graphics</u>	2622	423	NA	NA
<u>Ryzen 7 PRO 5850U with Radeon Graphics</u>	2444	453	NA	NA
<u>Ryzen 9 4900H with Radeon Graphics</u>	2713	-1	NA	NA

Ryzen 9 5900HS with Radeon Graphics	Passmark G3D Mark 4825 <i>(higher is better)</i>	263 Rank <i>(lower is better)</i>	Videocard Value NA <i>(higher is better)</i>	NA Price <i>(USD)</i>
S3 5400EW	146	1651	NA	NA
S3 Chrome 430 ULP	39	1983	NA	NA
S3 Chrome S25 DDR2	18	2079	NA	NA

S3 Chrome S27 DDR3	33	2019	NA	NA
S3 Inc. Savage4	3	2221	NA	NA
S3 ProSavageDDR	1	2260	NA	NA
S3 SuperSavage/IXC 1014	1	2254	NA	NA
SAPPHIRE RADEON 9000 ATLANTIS PRO	5	2157	NA	NA
SAPPHIRE RADEON 9600 ATLANTIS	47	1954	NA	NA
Sapphire RADEON X800 GT	112	1744	NA	NA
SAPPHIRE Radeon X1550	61	1910	NA	NA
Seria Mobility Radeon HD 3400	124	1700	NA	NA
Seria Radeon HD 7700	1603	635	NA	NA
SUMO 964A	497	1301	NA	NA
SUMO 9640	650	1129	NA	NA
SUMO 9644	465	1337	NA	NA
T400	3659	322	23.31	\$156.99*
T400 4GB	3574	326	NA	NA
T500	3645	323	NA	NA
T550 Laptop GPU	5027	255	NA	NA
T600	6564	208	30.90	\$212.46
T600 Laptop GPU	6896	200	NA	NA
T1000	7748	183	21.95	\$352.99
T1000 8GB	7761	181	NA	NA
T1200 Laptop GPU	7993	173	NA	NA
TENSOR 1.0 Driver Intel HD 630	1299	721	NA	NA
Tesla C2050	3515	332	13.02	\$269.99*
Tesla C2050 / C2070	3428	337	NA	NA
Tesla C2070	3101	370	5.13	\$604.00*
Videocard Name	Passmark G3D Mark <i>(higher is better)</i>	Rank <i>(lower is better)</i>	Videocard Value <i>(higher is better)</i>	Price <i>(USD)</i>
Tesla C2075	3118	367	4.83	\$646.00*



Video Card



<u>Tesla K20m</u>	3895	307	NA	NA
Videocard Name	Passmark G3D Mark	Rank (lower is better)	Videocard Value Mark	Price (USD)
<u>Tesla K20m</u>	704	-1	NA	NA
<u>Tesla K40m</u>	704	-1	11.83	\$593.95*
<u>Tesla M6</u>	7509	188	37.73	\$199.00*
<u>Tesla M10</u>	3490	334	1.30	\$2,695.00*
<u>Tesla M40</u>	10116	122	16.86	\$600.00*
<u>Tesla M40 24GB</u>	11658	101	NA	NA
<u>Tesla M60</u>	7770	180	9.86	\$787.90*
<u>Tesla M2070-Q</u>	1305	716	NA	NA
<u>Tesla P40</u>	16864	40	NA	NA
<u>Tesla P100-PCIE-16GB</u>	7225	195	NA	NA
<u>Tesla T4</u>	10940	110	3.61	\$3,032.54
<u>Tesla T10</u>	13263	-1	NA	NA
<u>TITAN RTX</u>	20051	18	7.17	\$2,794.99*
<u>TITAN V</u>	19773	19	9.89	\$1,999.99*
<u>TITAN V CEO Edition</u>	16987	37	NA	NA
<u>TITAN Xp</u>	19361	22	NA	NA
<u>TITAN Xp COLLECTORS EDITION</u>	18711	30	NA	NA
<u>TRINITY DEVASTATOR MOBILE</u>	699	1082	NA	NA
<u>TRINITY SCRAPPER MOBILE</u>	498	1300	NA	NA
<u>V9560XT V62.11</u>	6	2133	NA	NA
<u>Vanta/Vanta LT</u>	3	2225	NA	NA
<u>VIA Chrome9 HC3 IGP</u>	2	2237	NA	NA
<u>VIA Chrome9 HC IGP</u>	4	2186	NA	NA
<u>VIA Chrome9 HC IGP Family</u>	3	2198	NA	NA
<u>VIA Chrome9 HC IGP Family WDDM</u>	3	2210	NA	NA
<u>VIA Chrome9 HC IGP Prerelease WDDM 1.1</u>	2	2249	NA	NA
<u>VIA Chrome9 HC IGP WDDM</u>	2	2232	NA	NA
<u>VIA Chrome9 HC IGP WDDM 1.1</u>	2	2233	NA	NA
<u>VIA Chrome9 HCM IGP</u>	1	2256	NA	NA
<u>VIA Chrome9 HD IGP</u>	9	2108	NA	NA
<u>VIA/S3G C-645/640 GPU</u>	183	1607	NA	NA
<u>VIA/S3G Chrome 645/640 GPU</u>	109	1757	NA	NA
<u>VIA/S3G DeltaChrome IGP</u>	3	2216	NA	NA

<u>VIA/S3G KM400/KN400</u> Videocard Name	Passmark G3D Mark (higher is	Rank 2192 (lower is	Videocard Value (higher is	Price (USD)
<u>VIA/S3G UniChrome Pro IGP</u>	4	2171	NA	NA
<u>VIA/S3G UniChromeII</u>	5	2141	NA	NA
<u>VisionTek Radeon 7000</u>	1	2255	NA	NA
<u>WinFast A250 LE</u>	4	2166	NA	NA

<u>WinFast GT 610</u>	211	1570	NA	NA
<u>Xabre</u>	5	2158	NA	NA
<u>XFX Radeon HD 4650 AGP</u>	109	1755	NA	NA
<u>XGI Volari Family v1.13.23.D_V</u>	4	2177	NA	NA
<u>ZX Chrome 645/640 GPU</u>	147	1649	NA	NA
<u>zxcvIntel HD 620</u>	943	-1	NA	NA

* - Last price seen from our affiliates.

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