



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	976	0.71	\$1,159.99*
9xx Soldiers sans frontiers Sigma 2	21	2072	NA	NA
15FF	8229	166	NA	NA
64MB DDR GeForce3 Ti 200	5	2144	NA	NA
64MB GeForce2 MX with TV Out	2	2241	NA	NA
128 DDR Radeon 9700 TX w/TV-Out	44	1966	NA	NA
128 DDR Radeon 9800 Pro	62	1907	NA	NA
128MB DDR Radeon 9800 Pro	66	1896	NA	NA
128MB RADEON X600 SE	49	1946	0.87	\$56.18*
256MB DDR Radeon 9800 XT	37	1993	NA	NA
256MB RADEON X600	67	1890	0.42	\$160.49*
7900 MOD - Radeon HD 6520G	610	1175	NA	NA
7900 MOD - Radeon HD 6550D	892	923	NA	NA
A6 Micro-6500T Quad-Core APU with RadeonR4	220	1557	NA	NA
A10-8700P	513	1282	NA	NA
A10G	18723	30	NA	NA
A16	5797	-1	NA	NA
A40	1625	626	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	2066	NA	NA
<u>ALL-IN-WONDER RADEON 8500DV</u>	5	2148	NA	NA
<u>ALL-IN-WONDER X800 GT</u>	84	1828	NA	NA
<u>All-in-Wonder X1800XL</u>	30	2035	NA	NA

<u>All-in-Wonder X1900</u>	127	1694	NA	NA
<u>AMIGAMERLIN 3.1-R1 For Voodoo 4 4500 PCI</u>	3	2221	NA	NA
<u>ASUS A7000</u>	9	2108	NA	NA
<u>ASUS AGP-V3800PRO v31.40H</u>	4	2182	NA	NA
<u>ASUS EAH4870x2</u>	496	1302	NA	NA
<u>Asus GTX 650 FML II EC-EGPU</u>	720	1066	NA	NA
<u>ASUS V9520-X V62.11</u>	7	2119	NA	NA
<u>B8DKMDAP</u>	4557	271	NA	NA
<u>Barco MXRT 1450</u>	205	1579	NA	NA
<u>Barco MXRT 2600</u>	900	919	<u>4.52</u>	<u>\$199.00*</u>
<u>Barco MXRT 5400</u>	1161	768	<u>5.72</u>	<u>\$203.00*</u>
<u>Barco MXRT 5450</u>	1079	806	<u>5.40</u>	<u>\$199.99*</u>
<u>Barco MXRT 5500</u>	2701	407	<u>9.04</u>	<u>\$299.00*</u>
<u>Barco MXRT 5600</u>	2465	450	<u>3.50</u>	<u>\$704.00*</u>
<u>Barco MXRT 7100</u>	180	1610	NA	NA
<u>Barco MXRT 7400</u>	900	918	<u>9.10</u>	<u>\$99.00*</u>
<u>Barco MXRT 7500</u>	4319	285	<u>14.45</u>	<u>\$299.00*</u>
<u>Barco MXRT 7600</u>	4943	258	<u>8.20</u>	<u>\$602.59*</u>
<u>BASICDISPLAY</u>	69	1879	NA	NA
<u>CARRIZO 9874</u>	246	-1	NA	NA
<u>Citrix Indirect Display Adapter</u>	4446	279	NA	NA
<u>CONNECT 3D RADEON X300</u>	36	1998	NA	NA
<u>Custom GPU 0405</u>	2541	435	NA	NA
<u>Dell 8100</u>	2	2247	<u>0.00</u>	<u>\$999.11*</u>
<u>Dell 8200</u>	4	2184	NA	NA
<u>Diamond X1300-PCIE 256MB</u>	70	1877	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	1680	<u>1.22</u>	<u>\$109.99*</u>

<u>EG PARK</u>	141	-1	NA	NA
<u>Videocard Name</u>	<u>Passmark G3D</u>	<u>Rank</u>	<u>Videocard</u>	<u>Price</u>
<u>FirePro 3D V3700</u>	<u>Mark</u>	<u>(lower is</u>	<u>Value</u>	<u>MSD</u>
<u>FirePro 3D V3750</u>	<u>Score</u>	<u>better)</u>	<u>Number</u>	<u>MSD</u>

<u>Extreme AX850 PRO</u>	120	1716	NA	NA
<u>Familia Intel Q33 Express Chipset</u>	10	2105	NA	NA
<u>Famille de jeu de puces Express Intel 946GZ</u>	7	2122	NA	NA

<u>FireGL T2-128</u>	30	2032	NA	NA
<u>FireGL V3100</u>	52	1929	NA	NA
<u>FireGL V3200</u>	84	1825	NA	NA
<u>FireGL V3300</u>	70	1876	NA	NA
<u>FireGL V3350</u>	68	1884	NA	NA
<u>FireGL V3400</u>	103	1776	NA	NA
<u>FireGL V3600</u>	179	1611	1.12	\$160.99*
<u>FireGL V5100</u>	92	1806	0.81	\$114.96*
<u>FireGL V5200</u>	114	1736	0.86	\$133.40*
<u>FireGL V5600</u>	341	1444	1.52	\$225.00*
<u>FireGL V7100</u>	71	1869	0.22	\$328.67*
<u>FireGL V7200</u>	116	1728	NA	NA
<u>FireGL V7300</u>	128	1690	0.11	\$1,189.99*
<u>FireGL V7350</u>	110	1752	0.93	\$119.42*
<u>FireGL V7600</u>	615	1170	NA	NA
<u>FireGL V7700</u>	660	1119	9.43	\$69.99*
<u>FireGL V8600</u>	838	963	NA	NA
<u>FireGL V8650</u>	550	1244	1.84	\$298.99*
<u>FireGL X1</u>	59	1915	NA	NA
<u>FireMV 2200 PCI</u>	1	2264	NA	NA
<u>FireMV 2200 PCIe</u>	36	2000	0.40	\$89.99*
<u>FireMV 2250</u>	45	1957	0.44	\$104.00*
<u>FireMV 2260</u>	117	1723	1.33	\$88.08*
<u>FireMV 2400 PCIe</u>	11	2100	NA	NA
<u>FireMV 2450</u>	73	1862	NA	NA
<u>FirePro 3D V3700</u>	178	1613	2.10	\$84.99*
<u>FirePro 3D V3750</u>	341	1443	6.71	\$50.88*
<u>FirePro 3D V3800</u>	472	1325	3.15	\$149.99*
<u>FirePro 3D V4800</u>	853	954	5.33	\$159.99*

FirePro 3D V5700	Passmark G3D Mark 1867 (higher is better)	1248 Rank (lower is better)	Videocard Value 3.11 (higher is better)	\$319.99* Price (USD)
FirePro 3D V7800	1867	571	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	392	1.13	\$2,499.00*
FirePro 2260	112	1741	NA	NA
FirePro 2270	147	1647	1.10	\$134.00*
FirePro 2450	51	1937	0.57	\$89.99*
FirePro 2460	170	1624	2.03	\$83.99*
FirePro M2000	405	1394	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
FirePro M4000	1601	638	21.99	\$72.83*
FirePro M4000 Mobility Pro	1591	640	NA	NA
Firepro M4100	1059	818	NA	NA
FirePro M4150	962	875	NA	NA
FirePro M4170	1067	812	NA	NA
FirePro M5100	2102	516	NA	NA
FirePro M5100 FireGL V	1839	579	NA	NA
FirePro M5950	1314	711	NA	NA
FirePro M6000	1820	584	5.58	\$325.99*
FirePro M6000 Mobility Pro	1708	616	NA	NA
FirePro M6100	1863	572	NA	NA
FirePro M6100 FireGL V	2656	416	NA	NA
FirePro M7740	665	1110	NA	NA
FirePro M40003	1364	696	NA	NA
FirePro R5000	2646	417	24.06	\$109.99*
FirePro RG220	335	1451	0.52	\$650.18*
FirePro S7000	4166	293	16.90	\$246.54*
FirePro S7150	6276	212	3.70	\$1,697.99*
FirePro S9000	5059	252	NA	NA
FirePro S9050	4901	260	NA	NA
FirePro S10000	5315	240	NA	NA

FirePro V3800 Videocard Name	Passmark G3D Mark (higher is better)	Rank 1453 (lower is better)	Videocard Value (higher is better)	Price \$124.99* (USD)
FirePro V4900	976	867	6.51	\$149.99*
FirePro V5700	464	1339	2.47	\$188.06*
FirePro V5800	1185	759	22.37	\$53.00*
FirePro V5900	1264	725	14.71	\$86.00*
FirePro V7000	3161	359	NA	NA
FirePro V7800	2033	524	10.70	\$190.00*
FirePro V7900	2309	471	12.16	\$190.00*
FirePro V8700	1538	657	9.75	\$157.88*
FirePro V8800	2223	493	11.23	\$198.00*
FirePro V9800	2726	402	5.75	\$474.00*
FirePro W600	1751	607	4.22	\$414.99*
FirePro W2100	891	924	15.10	\$59.00*
FirePro W4100	1530	661	8.32	\$184.00*
FirePro W4170M	956	878	NA	NA
Firepro W4190M	1096	798	NA	NA
FirePro W4300	2803	394	11.68	\$239.99*
FirePro W5000	3055	371	16.61	\$184.00*
FirePro W5100	2953	381	23.45	\$125.99*
FirePro W5130M	1360	698	NA	NA
Firepro W5170M	1620	629	NA	NA
FirePro W6150M	1515	662	NA	NA
FirePro W7000	4278	288	15.39	\$278.05*
FirePro W7000 Adapter	4339	283	NA	NA
FirePro W7100	5175	247	13.29	\$389.30*
FirePro W7170M	3161	360	NA	NA
FirePro W8000	4137	295	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	192	10.39	\$704.00*
FirePro W9000	6138	216	7.26	\$845.00*
FirePro W9100	7719	183	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 442 (lower is	Videocard Value (higher is	Price (USD)
<u>GeForce2 Go</u>	4	2188	NA	NA
<u>GeForce2 GTS/GeForce2 Pro</u>	3	2193	NA	NA
<u>GeForce2 Integrated GPU</u>	4	2183	NA	NA
<u>GeForce2 MX</u>	2	2233	NA	NA
<u>GeForce2 MX 100/200</u>	3	2217	NA	NA
<u>GeForce2 MX with DVI-D and TV-out</u>	4	2166	NA	NA
<u>GeForce2 MX/MX 400</u>	3	2195	NA	NA
<u>GeForce2 Ti</u>	4	2175	NA	NA
<u>GeForce2 Ultra</u>	6	2133	NA	NA
<u>GeForce3</u>	4	2163	NA	NA
<u>GeForce3 Ti 200</u>	4	2190	NA	NA
<u>GeForce3 Ti 500</u>	2	2243	NA	NA
<u>GeForce4 420 Go</u>	3	2214	NA	NA
<u>GeForce4 420 Go 32M</u>	5	2153	NA	NA
<u>GeForce4 440</u>	4	2160	NA	NA
<u>GeForce4 440 Go</u>	3	2201	NA	NA
<u>GeForce4 440 Go 64M</u>	5	2139	NA	NA
<u>GeForce4 448 Go</u>	5	2150	NA	NA
<u>GeForce4 4200 Go</u>	3	2194	NA	NA
<u>GeForce4 MX 420</u>	4	2167	NA	NA
<u>GeForce4 MX 440</u>	4	2178	NA	NA
<u>GeForce4 MX 440 with AGP8X</u>	4	2164	NA	NA
<u>GeForce4 MX 440SE</u>	4	2177	NA	NA
<u>GeForce4 MX 460</u>	4	2187	NA	NA
<u>GeForce4 MX 4000</u>	4	2181	NA	NA
<u>GeForce4 MX Integrated GPU</u>	6	2131	NA	NA
<u>GeForce4 Ti 4200</u>	5	2149	NA	NA
<u>GeForce4 Ti 4400</u>	7	2124	NA	NA
<u>GeForce4 Ti 4600</u>	5	2151	0.10	\$53.99*
<u>GeForce4 Ti 4800</u>	5	2141	NA	NA
<u>GeForce4 Ti 4800 SE</u>	6	2127	NA	NA
<u>GeForce9400M</u>	105	1766	NA	NA
<u>GeForce 205</u>	126	1698	NA	NA

<u>GeForce 210</u>	Passmark G3D Mark (higher is better)	1794 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>	120	1712	<u>1.12</u>	<u>\$108.35*</u>
<u>GeForce 310M</u>	111	1748	NA	NA

<u>GeForce 315</u>	159	1630	<u>4.83</u>	<u>\$32.99*</u>
<u>GeForce 315M</u>	116	1729	NA	NA
<u>Videocard Name</u>	<u>Passmark G3D Mark (higher is better)</u>	<u>Rank (lower is better)</u>	<u>Videocard Value (higher is better)</u>	<u>Price (USD)</u>
<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	1533	NA	NA
<u>GeForce 505</u>	147	1648	<u>1.28</u>	<u>\$115.06*</u>
<u>GeForce 510</u>	256	1525	<u>3.67</u>	<u>\$69.99*</u>
<u>GeForce 605</u>	304	1478	<u>2.23</u>	<u>\$136.83*</u>
<u>GeForce 610M</u>	293	1491	NA	NA
<u>GeForce 615</u>	551	1242	NA	NA
<u>GeForce 705M</u>	455	1346	NA	NA
<u>GeForce 710A</u>	486	1311	NA	NA
<u>GeForce 710M</u>	449	1355	NA	NA
<u>GeForce 720A</u>	662	1114	NA	NA
<u>GeForce 730A</u>	769	1020	NA	NA
<u>GeForce 770M</u>	3245	351	<u>18.34</u>	<u>\$176.99*</u>
<u>GeForce 800A</u>	428	1376	NA	NA
<u>GeForce 800M</u>	468	1332	NA	NA
<u>GeForce 810A</u>	622	1158	NA	NA
<u>GeForce 810M</u>	409	1389	NA	NA
<u>GeForce 820A</u>	568	1226	NA	NA
<u>GeForce 820M</u>	509	1288	NA	NA
<u>GeForce 825M</u>	768	1022	NA	NA
<u>GeForce 830A</u>	1004	848	NA	NA
<u>GeForce 830M</u>	976	865	NA	NA
<u>GeForce 840A</u>	1179	761	NA	NA
<u>GeForce 840M</u>	1064	814	NA	NA
<u>GeForce 845M</u>	1429	679	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	1086	803	NA	NA
GeForce 930A	1081	804	NA	NA
GeForce 930M	1006	847	NA	NA
GeForce 930MX	1298	721	NA	NA
GeForce 940A	1144	773	NA	NA
GeForce 940M	1106	790	NA	NA
GeForce 940MX	1506	665	NA	NA
GeForce 945A	1852	574	NA	NA
GeForce 945M	1944	556	NA	NA
GeForce 999 GTX	83	1833	NA	NA
GeForce 6100	27	2044	NA	NA
GeForce 6100 nForce 400	25	2053	NA	NA
GeForce 6100 nForce 405	24	2055	NA	NA
GeForce 6100 nForce 420	25	2052	NA	NA
GeForce 6100 nForce 430	23	2068	NA	NA
GeForce 6150	21	2071	0.07	\$329.00*
GeForce 6150 LE	33	2019	NA	NA
GeForce 6150SE	24	2058	NA	NA
GeForce 6150SE nForce 430	29	2037	NA	NA
GeForce 6200	35	2004	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	2027	NA	NA
GeForce 6200 LE	28	2040	0.69	\$41.24*
GeForce 6200 TurboCache	49	1944	NA	NA
GeForce 6200A	3	2204	0.07	\$54.99*
GeForce 6200SE TurboCache	37	1996	NA	NA
GeForce 6500	38	1989	NA	NA
GeForce 6600	87	1821	0.33	\$264.00*
GeForce 6600 GT	137	1670	2.11	\$64.95*
GeForce 6600 LE	51	1936	NA	NA
GeForce 6610 XL	88	1820	NA	NA
GeForce 6700 XL	95	1798	NA	NA

GeForce 6800 Videocard Name	Passmark G3D Mark (higher is	Rank 1742 (lower is	Videocard Value (higher is	\$559.29* (USD)
GeForce 6800 GS/XT	102	1778	NA	NA
GeForce 6800 GT	142	1655	NA	NA
GeForce 6800 LE	109	1756	NA	NA
GeForce 6800 Ultra	138	1665	NA	NA
GeForce 6800 XE	58	1916	NA	NA
GeForce 6800 XT	128	1691	NA	NA
GeForce 7000M	13	2094	NA	NA
GeForce 7000M / nForce 610M	12	2095	NA	NA
GeForce 7025 / nForce 630a	34	2015	NA	NA
GeForce 7050 / nForce 610i	24	2060	NA	NA
GeForce 7050 / nForce 620i	39	1986	NA	NA
GeForce 7050 / nForce 630i	37	1992	NA	NA
GeForce 7050 PV / nForce 630a	30	2033	NA	NA
GeForce 7100 / nForce 620i	26	2048	NA	NA
GeForce 7100 / nForce 630i	35	2005	NA	NA
GeForce 7100 GS	51	1933	NA	NA
GeForce 7150 / nForce 630i	33	2022	NA	NA
GeForce 7150M / nForce 630M	18	2080	NA	NA
GeForce 7200 GS	23	2067	NA	NA
GeForce 7300 GS	81	1842	NA	NA
GeForce 7300 GT	135	1674	0.90	\$149.99*
GeForce 7300 LE	81	1849	2.53	\$32.00*
GeForce 7300 SE	39	1985	NA	NA
GeForce 7300 SE/7200 GS	48	1950	NA	NA
GeForce 7350 LE	74	1861	NA	NA
GeForce 7500 LE	89	1818	NA	NA
GeForce 7600 GS	157	1631	0.90	\$175.00*
GeForce 7600 GT	203	1583	1.02	\$199.00*
GeForce 7650 GS	134	1681	NA	NA
GeForce 7800 GS	177	1614	NA	NA
GeForce 7800 GT	244	1535	3.05	\$80.00*
GeForce 7800 GTX	290	1495	4.06	\$71.60*
GeForce 7900 GS	253	1528	NA	NA

GeForce 7900 GT	Passmark G3D Mark 3D	1522 Rank	Videocard Value	\$199.00*
Videocard Name	Mark	(lower is better)	Value	Price (USD)
GeForce 7900 GT	344	1442	1.69	\$203.99*
GeForce 7950 GX2	201	1584	3.67	\$54.99*

GeForce 7950 Xtreme	287	1497	NA	NA
GeForce 8100 / nForce 720a	79	1852	NA	NA
GeForce 8200	153	1638	NA	NA
GeForce 8200M G	71	1870	NA	NA
GeForce 8300	101	1782	4.48	\$22.68*
GeForce 8300 GS	66	1892	NA	NA
GeForce 8400	81	1845	0.14	\$589.99*
GeForce 8400 GS	126	1697	1.47	\$85.97*
GeForce 8400 SE	68	1886	NA	NA
GeForce 8400M G	58	1917	NA	NA
GeForce 8400M GS	98	1789	1.25	\$78.20*
GeForce 8400M GT	63	1901	NA	NA
GeForce 8500 GT	115	1731	NA	NA
GeForce 8600 GS	91	1811	NA	NA
GeForce 8600 GT	117	1722	0.60	\$196.00*
GeForce 8600 GTS	161	1629	0.67	\$241.99*
GeForce 8600M GS	73	1864	NA	NA
GeForce 8600M GT	89	1819	0.82	\$108.10*
GeForce 8700M GT	124	1701	NA	NA
GeForce 8800 GS	332	1454	NA	NA
GeForce 8800 GT	519	1277	7.42	\$69.99*
GeForce 8800 GTS	440	1365	5.50	\$79.99*
GeForce 8800 GTS 512	591	1194	NA	NA
GeForce 8800 GTX	597	1187	4.98	\$119.99*
GeForce 8800 Ultra	642	1136	NA	NA
GeForce 8800M GTS	382	1411	NA	NA
GeForce 8800M GTX	462	1342	NA	NA
GeForce 9100	81	1838	NA	NA
GeForce 9100M G	74	1860	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 9200 SE</u>	126	1695	2.15	\$59.00*
<u>GeForce 9300</u>	126	1695	2.15	\$59.00*
<u>GeForce 9300 / nForce 730i</u>	128	1689	NA	NA
<u>GeForce 9300 GE</u>	84	1831	3.66	\$22.99*

<u>GeForce 9300 GS</u>	111	1751	1.85	\$59.95*
<u>GeForce 9300 SE</u>	81	1843	NA	NA
<u>GeForce 9300GE</u>	97	1791	1.01	\$97.20*
<u>GeForce 9300M G</u>	84	1827	NA	NA
<u>GeForce 9300M GS</u>	92	1810	2.12	\$43.42*
<u>GeForce 9400</u>	111	1746	NA	NA
<u>GeForce 9400 GT</u>	104	1767	0.66	\$159.99*
<u>GeForce 9400M</u>	74	1858	NA	NA
<u>GeForce 9400M G</u>	67	1889	NA	NA
<u>GeForce 9450</u>	104	1768	NA	NA
<u>GeForce 9500 GS</u>	157	1632	NA	NA
<u>GeForce 9500 GT</u>	133	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	1774	1.02	\$101.20*
<u>GeForce 9500M G</u>	121	1710	NA	NA
<u>GeForce 9500M GS</u>	103	1773	NA	NA
<u>GeForce 9600 GS</u>	281	1505	NA	NA
<u>GeForce 9600 GSO</u>	349	1440	6.99	\$49.99*
<u>GeForce 9600 GSO 512</u>	345	1441	NA	NA
<u>GeForce 9600 GT</u>	503	1294	7.75	\$64.99*
<u>GeForce 9600M GS</u>	119	1718	NA	NA
<u>GeForce 9600M GT</u>	131	1684	1.68	\$78.20*
<u>GeForce 9600M GT / GeForce GT 220M</u>	293	1490	NA	NA
<u>GeForce 9650M GS</u>	270	1510	NA	NA
<u>GeForce 9650M GT</u>	137	1672	1.17	\$117.30*
<u>GeForce 9700M GT</u>	216	1563	NA	NA
<u>GeForce 9700M GTS</u>	325	1462	NA	NA
<u>GeForce 9800 GT</u>	479	1316	6.39	\$74.99*
<u>GeForce 9800 GT 1024MB</u>	134	1679	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>	617	1166	6.86	\$89.99*
<u>GeForce 9800 GX2</u>	797	997	4.09	\$195.00*
<u>GeForce 9800 S</u>	635	1140	NA	NA
<u>GeForce 9800M GS</u>	460	1344	NA	NA
<u>GeForce 9800M GT</u>	381	1412	NA	NA
<u>GeForce 9800M GTS</u>	378	1414	NA	NA
<u>GeForce 9800M GTX</u>	461	1343	1.41	\$328.50*
<u>GeForce FX 5100</u>	7	2118	NA	NA
<u>GeForce FX 5200</u>	7	2121	0.06	\$129.00*
<u>GeForce FX 5200 Ultra</u>	12	2098	NA	NA
<u>GeForce FX 5200LE</u>	7	2125	0.16	\$42.99*
<u>GeForce FX 5200SE</u>	11	2099	NA	NA
<u>GeForce FX 5500</u>	8	2113	0.05	\$153.97*
<u>GeForce FX 5600</u>	12	2096	NA	NA
<u>GeForce FX 5600 Ultra</u>	17	2086	NA	NA
<u>GeForce FX 5600XT</u>	9	2109	NA	NA
<u>GeForce FX 5700</u>	40	1974	NA	NA
<u>GeForce FX 5700 Ultra</u>	34	2012	NA	NA
<u>GeForce FX 5700LE</u>	24	2059	NA	NA
<u>GeForce FX 5700VE</u>	33	2021	NA	NA
<u>GeForce FX 5900</u>	34	2009	NA	NA
<u>GeForce FX 5900 Ultra</u>	41	1972	NA	NA
<u>GeForce FX 5900XT</u>	40	1978	NA	NA
<u>GeForce FX 5900ZT</u>	32	2024	NA	NA
<u>GeForce FX 5950 Ultra</u>	59	1914	NA	NA
<u>GeForce FX Go5300</u>	12	2097	NA	NA
<u>GeForce FX Go5650</u>	16	2087	NA	NA
<u>GeForce FX Go5700</u>	51	1935	NA	NA
<u>GeForce FX Go 5200</u>	8	2111	NA	NA
<u>GeForce FX Go 5600</u>	17	2084	NA	NA
<u>GeForce G100</u>	137	1669	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	1683	NA	NA

GeForce G105M Videocard Name	Passmark G3D Mark (higher is	Rank 1761 (lower is	Videocard Value (higher is	Price (USD)
GeForce G205M	91	1813	NA	NA
GeForce G210	102	1779	0.84	\$122.12*
GeForce G210M	121	1709	NA	NA
GeForce G 103M	61	1908	NA	NA
GeForce G 105M	65	1898	NA	NA
GeForce Go 6100	17	2083	NA	NA
GeForce Go 6150	19	2076	NA	NA
GeForce Go 6200	15	2090	NA	NA
GeForce Go 6400	24	2061	NA	NA
GeForce Go 6600	69	1880	NA	NA
GeForce Go 6600 TE/6200 TE	44	1962	NA	NA
GeForce Go 6800	106	1765	NA	NA
GeForce Go 6800 Ultra	137	1668	NA	NA
GeForce Go 7200	45	1959	NA	NA
GeForce Go 7300	52	1931	NA	NA
GeForce Go 7400	65	1897	NA	NA
GeForce Go 7600	127	1692	NA	NA
GeForce Go 7600 GT	210	1572	NA	NA
GeForce Go 7700	147	1646	NA	NA
GeForce Go 7800	114	1734	NA	NA
GeForce Go 7800 GTX	209	1573	NA	NA
GeForce Go 7900 GS	176	1615	NA	NA
GeForce Go 7900 GTX	270	1509	NA	NA
GeForce Go 7950 GTX	263	1518	NA	NA
GeForce GPU	1233	740	NA	NA
GeForce GT625M	493	1304	NA	NA
GeForce GT 120	174	1617	5.82	\$29.99*
GeForce GT 120 / 9500 GT	324	1463	NA	NA
GeForce GT 120M	265	1516	NA	NA
GeForce GT 130	381	1413	2.52	\$151.34*
GeForce GT 130M	146	1652	NA	NA
GeForce GT 140	657	1122	NA	NA
GeForce GT 220	211	1571	5.28	\$39.99*

GeForce GT 220M	Passmark G3D Mark (higher is better)	1711 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
GeForce GT 220M	547	1247	3.40	\$160.97*
GeForce GT 240M	205	1580	NA	NA
GeForce GT 320	448	1356	13.73	\$32.69*

GeForce GT 320M	106	1762	NA	NA
GeForce GT 325M	170	1621	NA	NA
GeForce GT 330	421	1381	10.55	\$39.99*
GeForce GT 330M	209	1574	NA	NA
GeForce GT 335M	399	1401	NA	NA
GeForce GT 340	774	1015	14.62	\$52.99*
GeForce GT 415	247	1532	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	1500	NA	NA
GeForce GT 420	410	1388	2.65	\$155.00*
GeForce GT 420M	418	1384	NA	NA
GeForce GT 425M	516	1280	NA	NA
GeForce GT 430	604	1182	4.32	\$139.99*
GeForce GT 435M	521	1274	NA	NA
GeForce GT 440	776	1013	3.45	\$225.00*
GeForce GT 445M	880	933	NA	NA
GeForce GT 520	298	1486	0.98	\$304.00*
GeForce GT 520M	287	1498	9.60	\$29.95*
GeForce GT 520MX	290	1494	NA	NA
GeForce GT 525M	462	1341	NA	NA
GeForce GT 530	678	1098	13.85	\$49.00*
GeForce GT 540M	491	1305	5.58	\$87.95*
GeForce GT 545	1095	800	19.71	\$55.59*
GeForce GT 550M	580	1207	NA	NA
GeForce GT 555M	669	1108	3.78	\$177.20*
GeForce GT 610	302	1480	2.16	\$139.99*
GeForce GT 610M / GT 620M / GT 710M / GT 720M / GT	368	1421	NA	NA
GeForce GT 620	362	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	445	1445	NA	NA

GeForce GT 630	686	1088	4.67	\$147.01*
GeForce GT 630M	544	1253	NA	NA
GeForce GT 635	843	960	12.59	\$66.94*
GeForce GT 635M	562	1232	NA	NA

GeForce GT 640	1190	758	10.82	\$109.99*
GeForce GT 640M	912	910	NA	NA
GeForce GT 640M LE	673	1105	0.79	\$849.99*
GeForce GT 645	2005	537	NA	NA
GeForce GT 645M	949	887	NA	NA
GeForce GT 650M	1199	754	NA	NA
GeForce GT 705	354	1436	1.20	\$296.76*
GeForce GT 710	636	1139	6.18	\$102.99*
GeForce GT 710M	443	1363	NA	NA
GeForce GT 720	611	1172	6.12	\$99.99*
GeForce GT 720A	600	1185	NA	NA
GeForce GT 720M	465	1335	NA	NA
GeForce GT 730	814	987	7.41	\$109.99*
GeForce GT 730A	742	1052	NA	NA
GeForce GT 730M	817	985	NA	NA
GeForce GT 735M	591	1193	NA	NA
GeForce GT 740	1537	659	6.49	\$236.99*
GeForce GT 740A	701	1081	NA	NA
GeForce GT 740M	781	1003	NA	NA
GeForce GT 745A	1144	774	NA	NA
GeForce GT 745M	1055	819	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	1602	637	NA	NA
GeForce GT 820M	603	1183	NA	NA
GeForce GT 1030	2538	437	23.08	\$109.99
GeForce GTS 150M	504	1293	NA	NA
GeForce GTS 160M	678	1097	NA	NA
GeForce GTS 240	621	1159	9.57	\$64.99*

GeForce GTS 250 Videocard Name	Passmark G3D Mark (higher is	Rank 1162 (lower is	Videocard Value (higher is	Price (\$USD)
GeForce GTS 350M	407	1390	NA	NA
GeForce GTS 360M	664	1112	NA	NA
GeForce GTS 450	1321	707	16.53	\$79.99*
GeForce GTX 260	1220	746	15.26	\$79.99*
GeForce GTX 260M	411	1387	NA	NA
GeForce GTX 275	1400	688	3.24	\$431.72*
GeForce GTX 280	1181	760	2.26	\$522.78*
GeForce GTX 280M	621	1161	NA	NA
GeForce GTX 285	1539	656	12.83	\$119.99*
GeForce GTX 285M	675	1103	NA	NA
GeForce GTX 295	1170	762	7.32	\$159.99*
GeForce GTX 460	2295	476	25.51	\$89.99*
GeForce GTX 460 SE	1973	547	12.34	\$159.99*
GeForce GTX 460 v2	2004	538	10.02	\$199.99*
GeForce GTX 460M	1201	753	NA	NA
GeForce GTX 465	2681	413	13.75	\$195.00*
GeForce GTX 470	3151	361	52.54	\$59.99*
GeForce GTX 470M	1953	554	NA	NA
GeForce GTX 480	4116	297	24.22	\$169.99*
GeForce GTX 480M	2050	522	NA	NA
GeForce GTX 485M	2359	464	NA	NA
GeForce GTX 550 Ti	1554	650	15.55	\$99.99*
GeForce GTX 555	1807	588	NA	NA
GeForce GTX 560	2708	406	13.21	\$205.00*
GeForce GTX 560 SE	2006	536	22.29	\$89.99*
GeForce GTX 560 Ti	3060	370	23.55	\$129.99*
GeForce GTX 560M	1256	730	NA	NA
GeForce GTX 570	3902	304	26.02	\$149.99*
GeForce GTX 570M	1909	562	NA	NA
GeForce GTX 580	4504	273	32.19	\$139.92*
GeForce GTX 580M	2074	518	8.34	\$248.68*
GeForce GTX 590	3366	343	7.74	\$435.00*
GeForce GTX 645	1855	573	NA	NA

GeForce GTX 650	3764	603	26.94	\$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	300	23.82	\$167.95*
GeForce GTX 660	4368	281	30.34	\$144.00*
GeForce GTX 660M	1422	683	18.01	\$78.99*

GeForce GTX 670	5301	241	27.33	\$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	1869	570	NA	NA
GeForce GTX 675M	1934	558	NA	NA
GeForce GTX 675MX	2338	470	NA	NA
GeForce GTX 680	5555	233	13.92	\$399.00*
GeForce GTX 680M	3076	369	22.62	\$135.99*
GeForce GTX 680M KY_Bullet Edition	3568	326	NA	NA
GeForce GTX 680MX	4270	289	NA	NA
GeForce GTX 690	5619	231	20.00	\$280.99*
GeForce GTX 745	2170	504	7.62	\$284.95*
GeForce GTX 750	3390	339	42.39	\$79.99*
GeForce GTX 750 Ti	3916	302	44.45	\$88.11*
GeForce GTX 760	4768	263	32.00	\$149.00*
GeForce GTX 760 Ti	5205	246	17.50	\$297.50*
GeForce GTX 760 Ti OEM	5427	237	NA	NA
GeForce GTX 760A	1059	817	NA	NA
GeForce GTX 760M	1676	620	NA	NA
GeForce GTX 765M	1970	548	10.58	\$186.30*
GeForce GTX 770	5898	222	23.69	\$249.00*
GeForce GTX 770M	2778	397	20.14	\$138.00*
GeForce GTX 775M	4179	292	NA	NA
GeForce GTX 780	8039	171	28.71	\$279.99*
GeForce GTX 780 Ti	9341	138	27.48	\$339.99*
GeForce GTX 780M	3769	317	7.56	\$499.00*
GeForce GTX 850A	1049	822	NA	NA
GeForce GTX 850M	2561	430	NA	NA
GeForce GTX 850M - MODDED	1091	801	NA	NA

GeForce GTX 860M	Passmark G3D	Rank	Videocard	Price
Videocard Name	Mark	(lower is better)	Value	(USD)
	(higher is better)		(higher is better)	
GeForce GTX 880M	3888	306	NA	NA
GeForce GTX 950	5392	238	37.98	\$141.99*
GeForce GTX 950A	2483	447	NA	NA
GeForce GTX 950M	2592	427	4.57	\$567.00*
GeForce GTX 960	6032	218	35.07	\$172.00*
GeForce GTX 960A	2410	457	NA	NA
GeForce GTX 960M	3418	336	2.92	\$1,169.00*
GeForce GTX 965M	3811	314	NA	NA
GeForce GTX 970	9673	129	40.65	\$237.99*
GeForce GTX 970M	5766	226	27.46	\$209.99*
GeForce GTX 970XM FORCE	6706	202	NA	NA
GeForce GTX 980	11243	103	45.46	\$247.35*
GeForce GTX 980 Ti	13874	71	26.65	\$520.66
GeForce GTX 980M	7311	193	25.21	\$289.99*
GeForce GTX 1050	5084	251	25.93	\$196.09
GeForce GTX 1050 (Mobile)	4461	277	NA	NA
GeForce GTX 1050 Ti	6306	210	33.20	\$189.99
GeForce GTX 1050 Ti (Mobile)	5918	221	NA	NA
GeForce GTX 1050 Ti with Max-Q Design	5781	225	NA	NA
GeForce GTX 1050 with Max-Q Design	3866	310	NA	NA
GeForce GTX 1060	10062	119	35.94	\$279.99*
Videocard Name	Passmark G3D	Rank	Videocard Value	Price
	Mark	(lower is better)	(higher is better)	(USD)
	(higher is better)			
GeForce GTX 1060 3GB	9738	128	36.07	\$269.99*
GeForce GTX 1060 5GB	8929	148	18.30	\$487.99*
GeForce GTX 1060 (Mobile)	8160	167	NA	NA
GeForce GTX 1060 with Max-Q Design	7855	175	NA	NA
GeForce GTX 1070	13486	76	39.37	\$342.55*
GeForce GTX 1070 (Mobile)	10465	111	NA	NA
GeForce GTX 1070 Ti	14521	64	37.33	\$389.00*
GeForce GTX 1070 with Max-Q Design	9442	136	NA	NA
GeForce GTX 1080	15287	55	34.53	\$442.79*
GeForce GTX 1080 Ti	18325	32	37.88	\$483.82*
GeForce GTX 1080 with Max-Q Design	10174	115	NA	NA

<u>GeForce GTX 1650</u> Videocard Name	Passmark G3D Mark (higher is	Rank 177 (lower is	Videocard Value (higher is	Price \$189.45 (USD)
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<u>GeForce GTX 1650 SUPER</u>	10048	120	22.78	\$441.05*
<u>GeForce GTX 1650 Ti</u>	7510	186	NA	NA
<u>GeForce GTX 1650 with Max-Q Design</u>	5923	220	NA	NA
<u>GeForce GTX 1660</u>	11703	97	29.26	\$399.99*

<u>GeForce GTX 1660 SUPER</u>	12748	85	42.50	\$299.99
<u>GeForce GTX 1660 Ti</u>	11806	96	34.73	\$339.99
<u>GeForce GTX 1660 Ti (Mobile)</u>	10176	114	NA	NA
<u>GeForce GTX 1660 Ti with Max-Q Design</u>	8619	157	NA	NA
<u>GeForce GTX Titan</u>	8453	160	11.35	\$745.00*
<u>GeForce GTX TITAN Black</u>	9140	144	17.41	\$524.99*
<u>GeForce GTX TITAN X</u>	13318	77	12.14	\$1,096.99*
<u>GeForce GTX TITAN Z</u>	9188	143	6.07	\$1,515.00*
<u>GeForce MX110</u>	1469	673	NA	NA
<u>GeForce MX130</u>	1886	568	NA	NA
<u>GeForce MX150</u>	2309	473	38.95	\$59.29*
<u>GeForce MX230</u>	1878	569	NA	NA
<u>GeForce MX250</u>	2506	445	NA	NA
<u>GeForce MX330</u>	2534	440	NA	NA
<u>GeForce MX350</u>	2862	386	NA	NA
<u>GeForce MX450</u>	3759	318	NA	NA
<u>GeForce MX550</u>	4950	256	NA	NA
<u>GeForce PCX 5300</u>	6	2135	NA	NA
<u>GeForce PCX 5750</u>	34	2007	NA	NA
<u>GeForce PCX 5900</u>	34	2013	NA	NA
<u>GeForce RTX 2050</u>	5749	227	NA	NA
<u>GeForce RTX 2060</u>	13967	69	41.08	\$339.99
<u>GeForce RTX 2060 (Mobile)</u>	11354	102	NA	NA
<u>GeForce RTX 2060 SUPER</u>	16510	44	42.34	\$389.99
<u>GeForce RTX 2070</u>	16088	49	25.64	\$627.44*
<u>GeForce RTX 2070 (Mobile)</u>	12354	89	NA	NA
<u>GeForce RTX 2070 SUPER</u>	18193	34	36.39	\$499.99*
<u>GeForce RTX 2070 with Max-Q Design</u>	11178	105	NA	NA
<u>GeForce RTX 2080</u>	18735	29	29.60	\$633.03*



Video Card



GeForce RTX 2080 (Mobile)	Passmark G3D 12321	57 Rank (lower is better)	Videocard Value NA (higher is better)	NA Price (USD) 600
Videocard Name GeForce RTX 2080 SUPER	Passmark G3D 12834	Rank (lower is better) 83	Videocard Value NA (higher is better)	Price (USD) NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce RTX 2080 with Max-Q Design	12321	90	5.87	\$2,099.99*
GeForce RTX 3050	12834	83	NA	NA
GeForce RTX 3050 Laptop GPU	9047	146	27.42	\$329.99
GeForce RTX 3050 Ti Laptop GPU	9594	131	NA	NA
GeForce RTX 3060	16995	36	51.66	\$329.00*
GeForce RTX 3060 Laptop GPU	12775	84	31.94	\$399.99
GeForce RTX 3060 Ti	20304	16	38.31	\$529.99
GeForce RTX 3070	22166	11	38.22	\$579.99
GeForce RTX 3070 Laptop GPU	15227	56	NA	NA
GeForce RTX 3070 Ti	23544	9	33.68	\$699.00
GeForce RTX 3070 Ti Laptop GPU	18945	26	NA	NA
GeForce RTX 3080	25054	6	32.12	\$779.99
GeForce RTX 3080 Laptop GPU	16579	43	NA	NA
GeForce RTX 3080 Ti	27117	3	25.04	\$1,083.00
GeForce RTX 3080 Ti Laptop GPU	19989	18	NA	NA
GeForce RTX 3090	26502	4	17.67	\$1,499.99
GeForce RTX 3090 Ti	30046	1	16.24	\$1,849.99
GF117	554	1240	NA	NA
GIGABYTE RADEON 9600 PRO	39	1984	NA	NA
Gigabyte RADEON X300	40	1973	NA	NA
GRID K1	810	991	2.05	\$395.00*
GRID K2	2736	401	0.61	\$4,449.99
GRID K120Q	293	1488	NA	NA
GRID K140Q	727	1060	NA	NA
GRID K160Q	628	1150	NA	NA
GRID K180Q	533	1262	NA	NA
GRID K220Q	912	912	NA	NA
GRID K240Q	2541	436	NA	NA
GRID K260Q	2949	382	NA	NA
GRID K280Q	2839	390	NA	NA
GRID K520	3399	338	22.66	\$149.99*

<u>GRID M6-0B</u>	Passmark G3D Mark (higher is better)	913 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
<u>GRID M10-0Q</u>	913	909	NA	NA
<u>GRID M10-1B</u>	2309	472	NA	NA
<u>GRID M10-1Q</u>	3351	345	NA	NA
<u>GRID M10-2B</u>	2416	456	NA	NA
<u>GRID M10-4Q</u>	3223	352	NA	NA
<u>GRID M10-8Q</u>	2606	424	NA	NA
<u>GRID M60-0B</u>	1838	580	NA	NA
<u>GRID M60-0Q</u>	827	975	NA	NA
<u>GRID M60-1B</u>	4456	278	NA	NA
<u>GRID M60-1Q</u>	4680	269	NA	NA
<u>GRID M60-2Q</u>	5291	242	NA	NA
<u>GRID M60-4Q</u>	3188	355	NA	NA
<u>GRID M60-8A</u>	5523	235	NA	NA
<u>GRID M60-8Q</u>	3883	307	NA	NA
<u>GRID P6-2Q</u>	4000	299	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>GRID P6-4Q</u>	4429	280	NA	NA
<u>GRID P40-2B</u>	3354	344	NA	NA
<u>GRID P40-2Q</u>	4287	287	NA	NA
<u>GRID P40-3Q</u>	681	1092	NA	NA
<u>GRID P40-4Q</u>	777	1008	NA	NA
<u>GRID P40-24Q</u>	4727	266	NA	NA
<u>GRID P100-1B</u>	2223	494	NA	NA
<u>GRID P100-8Q</u>	3841	312	NA	NA
<u>GRID P100-16Q</u>	5944	219	NA	NA
<u>GRID V100-8Q</u>	16	2088	NA	NA
<u>GRID V100D-8Q</u>	4155	294	NA	NA
<u>GT 430</u>	223	1551	1.56	\$142.88*
<u>HD6450</u>	220	1556	2.04	\$108.20*
<u>HIS DIGITAL HD 4650 AGP</u>	452	1350	NA	NA
<u>IGP 340M</u>	1	2258	NA	NA
<u>Incredible HD</u>	389	1407	NA	NA

<u>Incredible HD 3000</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Incredible HD 4600</u>	749	1041	NA	NA
<u>Intel 2nd Generation SandyBridge HD</u>	212	1568	NA	NA
<u>Intel 2nd Generation SandyBridge HD 3000</u>	205	1581	NA	NA
<u>Intel 4th Generation Haswell HD</u>	419	1383	NA	NA
<u>Intel 865 Embedded Controller</u>	3	2203	NA	NA
<u>Intel 915G,910G Express</u>	4	2192	NA	NA
<u>Intel 915G/915GV/910GL Embedded Controller Function 0</u>	4	2173	NA	NA
<u>Intel 945G Embedded Chipset Function 0</u>	4	2180	NA	NA
<u>Intel 946GZ Embedded Chipset Function 0</u>	3	2218	NA	NA
<u>Intel 946GZ Express</u>	3	2213	NA	NA
<u>Intel 82845G Controller</u>	2	2249	NA	NA
<u>Intel 82845G/GL Controller</u>	2	2238	NA	NA
<u>Intel 82845G/GL/GE/PE/GV Controller</u>	2	2228	NA	NA
<u>Intel 82852/82855 GM/GME Controller</u>	1	2261	NA	NA
<u>Intel 82865G Controller</u>	4	2171	NA	NA
<u>Intel 82915G Express</u>	5	2145	NA	NA
<u>Intel 82915G/915GV/910GL</u>	3	2202	NA	NA
<u>Intel 82915G/GV/910GL Advanced v3.5</u>	2	2237	NA	NA
<u>Intel 82915G/GV/910GL Express</u>	3	2223	NA	NA
<u>Intel 82945G Express</u>	14	2092	NA	NA
<u>Intel 82945G Express-Chipsatzfamilie</u>	8	2116	NA	NA
<u>Intel - Express Chipset G41</u>	56	1924	NA	NA
<u>Intel - Express Chipset Q45/Q43</u>	57	1919	NA	NA
<u>Intel B43 Express Chipset</u>	68	1885	NA	NA
<u>Intel Coffee Lake UHD</u>	1158	770	NA	NA
<u>Intel Extreme Controller</u>	1	2252	NA	NA
<u>Intel G33/G31 Express</u>	84	1830	NA	NA
<u>Intel G35 Express</u>	3090	367	NA	NA
<u>Intel G41 Express Chipset</u>	82	1837	NA	NA
<u>Intel G41 Express-Chipsatz</u>	57	1921	NA	NA
<u>Intel G45/G43 Express Chipset</u>	74	1859	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

Intel G45/G43/G41 Express Chipset	Passmark G3D Mark 2005	1887 Rank (lower is better)	NA Videocard Value	NA Price
Intel G45 Express				

Intel Haswell HD - GT1	123	1707	NA	NA
Intel Haswell HD - GT2	139	1663	NA	NA
Intel HD 500	293	1489	NA	NA
Intel HD 505	339	1448	NA	NA

Intel HD 510	616	1168	NA	NA
Intel HD 515	627	1153	NA	NA
Intel HD 520	865	944	NA	NA
Intel HD 530	982	861	NA	NA
Intel HD 610	672	1106	NA	NA
Intel HD 615	724	1062	NA	NA
Intel HD 630	1116	787	NA	NA
Intel HD 2000	213	1567	NA	NA
Intel HD 3000	256	1526	0.27	\$945.00*
Intel HD 4000	334	1452	0.21	\$1,592.95*
Intel HD 4400	521	1273	NA	NA
Intel HD 4600	628	1149	NA	NA
Intel HD 5000	564	1230	0.90	\$625.00*
Intel HD 5200	830	973	NA	NA
Intel HD 5300	387	1409	NA	NA
Intel HD 5500	581	1206	NA	NA
Intel HD 5600	712	1072	NA	NA
Intel HD 6000	853	953	NA	NA
Intel HD Family	452	1351	NA	NA
Intel HD Graphics 620	923	904	NA	NA
Intel HD manual-15.28-1861	62	1905	NA	NA
Intel HD manual-gen9_2015-133271	165	1627	NA	NA
Intel HD Modded	112	1744	NA	NA
Intel HD P530	1196	755	NA	NA
Intel HD P630	1237	738	NA	NA
Intel HD P3000	297	1487	NA	NA
Intel HD P4000	516	1281	NA	NA
Intel HD P4600	604	1181	NA	NA
Intel HD P4600/P4700	626	1156	NA	NA

<u>Intel Infoshock HD</u>	Passmark G3D Mark (higher is better)	1593 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
<u>Intel Iris 650</u>	1794	594	NA	NA
<u>Intel Iris 5100</u>	765	1024	NA	NA
<u>Intel Iris 6100</u>	911	914	NA	NA

<u>Intel Iris Plus</u>	1846	576	NA	NA
<u>Intel Iris Plus 640</u>	1325	706	NA	NA
<u>Intel Iris Plus 645</u>	1731	611	NA	NA
<u>Intel Iris Plus 650</u>	1574	645	NA	NA
<u>Intel Iris Plus 655</u>	1770	599	NA	NA
<u>Intel Iris Pro 580</u>	1975	546	NA	NA
<u>Intel Iris Pro 5200</u>	1020	838	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 6100</u>	925	903	NA	NA
<u>Intel Iris Pro Graphics 6200</u>	1429	681	NA	NA
<u>Intel Iris Pro P580</u>	2168	505	NA	NA
<u>Intel Iris Pro P6300</u>	1625	625	NA	NA
<u>Intel Iris Xe</u>	2764	399	NA	NA
<u>Intel Iris Xe MAX</u>	1980	544	NA	NA
<u>Intel Media Accelerator</u>	32	2023	NA	NA
<u>Intel Media Accelerator 500</u>	3	2210	NA	NA
<u>Intel Media Accelerator 600</u>	6	2126	NA	NA
<u>Intel Media Accelerator 3150</u>	2	2227	NA	NA
<u>Intel Media Accelerator HD</u>	98	1788	NA	NA
<u>Intel Poison Ivy</u>	738	1055	NA	NA
<u>Intel Q33 Express</u>	4	2172	NA	NA
<u>Intel Q35 Embedded</u>	8	2112	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	1922	NA	NA
<u>Intel Q965/Q963 Express</u>	299	1484	NA	NA
<u>Intel Skylake HD DT GT2</u>	576	1213	NA	NA
<u>Intel UHD</u>	1565	648	NA	NA
<u>Intel UHD 600</u>	328	1461	NA	NA

Intel UHD 605 Videocard Name	Passmark G3D Mark (higher is better)	Rank 1422 (lower is better)	Videocard Value (higher is better)	Price (USD)
Intel UHD 615	761	1029	NA	NA
Intel UHD 617	862	949	NA	NA
Intel UHD 620	888	926	NA	NA
Intel UHD 630	1289	722	NA	NA
Intel UHD 710	1101	792	NA	NA
Intel UHD 730	1583	643	NA	NA
Intel UHD 750	1764	602	NA	NA
Intel UHD 770	2765	398	NA	NA
Intel UHD Graphics 620	1035	828	NA	NA
Intel UHD P630	2454	452	NA	NA
Intel UHD P750	1754	606	NA	NA
Intel UHD ReleaseInternal	1959	-1	NA	NA
Intel US15 Embedded Media and Controller	7	2123	NA	NA
ION	85	1824	0.37	\$229.99*
ION LE	97	1790	NA	NA
KV SPECTRE LITE MOBILE 25W	538	1260	NA	NA
LMIMIRR	874	937	NA	NA
M71-M	64	1900	NA	NA
M76M	124	1700	NA	NA
M860G with Mobility Radeon 4100	75	1855	NA	NA
M880G with Mobility Radeon HD 4200	92	1805	NA	NA
M880G with Mobility Radeon HD 4225	71	1872	NA	NA
M880G with Mobility Radeon HD 4250	104	1771	NA	NA
Master X3100 Driver	10	2103	NA	NA
Matrox C420 LP PCIe x16	607	1178	NA	NA
Matrox C680 PCIe x16	1903	563	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Matrox C900 PCIe x16	1812	586	NA	NA
Matrox G200e WDDM 1.2	59	1913	NA	NA
Matrox G200e WDDM 2.0	123	1705	NA	NA
Matrox G200eh	40	1976	NA	NA
Matrox G200eh WDDM 1.2	51	1932	NA	NA

<u>Matrox G200eh WDDM 2.0</u>	45	1960	NA	NA
<u>Videocard Name</u>	<u>Passmark G3D</u>	<u>Rank</u>	<u>Videocard</u>	<u>Price</u>
<u>Matrox G200eh</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>Matrox G200eR WDDM 2.0</u>	67	1888	NA	NA
<u>Matrox G200eW</u>	39	1980	NA	NA
<u>Matrox G200eW3 WDDM 2.0</u>	94	1800	NA	NA
<u>Matrox G200eW WDDM 1.2</u>	50	1941	NA	NA

<u>Matrox M9120 PCIe x16</u>	19	2075	NA	NA
<u>Matrox M9120 Plus LP PCIe x16</u>	25	2050	NA	NA
<u>Matrox M9125 PCIe x16</u>	25	2051	NA	NA
<u>Matrox M9128 LP PCIe x16</u>	31	2028	NA	NA
<u>Matrox M9138 LP PCIe x16</u>	42	1970	NA	NA
<u>Matrox M9140 LP PCIe x16</u>	23	2065	NA	NA
<u>Matrox M9148 LP PCIe x16</u>	32	2026	NA	NA
<u>Matrox Millennium P650 PCIe 128</u>	5	2154	NA	NA
<u>Matrox Millennium P690 PCIe x16</u>	366	1423	NA	NA
<u>Matrox Millennium P690 Plus LP PCIe x16</u>	6	2128	NA	NA
<u>Matrox Parhelia 128MB</u>	3	2212	0.01	\$393.99*
<u>Matrox Parhelia 256MB</u>	9	2106	NA	NA
<u>Matrox Parhelia APVe</u>	5	2147	NA	NA
<u>MCT USB3.0 External Device</u>	520	-1	NA	NA
<u>MEDION RADEON 9800 XXL</u>	71	1871	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	805	NA	NA
<u>Mobile Intel965 Express</u>	17	2085	NA	NA
<u>Mobile Intel 4 Express-Chipsatzfamilie</u>	44	1965	NA	NA
<u>Mobile Intel 45 Express</u>	46	1956	NA	NA
<u>Mobile Intel 45 Express-Chipsatzfamilie</u>	117	1724	NA	NA
<u>Mobile Intel 915GM/GMS/910GML Express</u>	2	2250	NA	NA
<u>Mobile Intel 945 Express</u>	1	2256	NA	NA
<u>Mobile Intel 945GM Express</u>	5	2142	NA	NA
<u>Mobile Intel 945GM/GU Express</u>	5	2155	NA	NA
<u>Mobile Intel 965 Express</u>	56	1927	NA	NA
<u>Mobile Intel 965 Express - BR-0907-0461 v1839</u>	8	2114	NA	NA

<u>Mobile Intel 965 Express-Chipsatzfamilie</u>	24	2062	NA	NA
Videocard Name	Passmark G3D Mark	Rank	Videocard Value	Price
Mobile Intel 965 Express-Chipsatzfamilie	(higher is better)	(lower is better)	(higher is better)	(USD)

<u>Mobile Intel serie 4 Express</u>	44	1964	NA	NA
<u>MOBILITY FIREGL 7800</u>	4	2168	NA	NA
<u>MOBILITY FIREGL T2</u>	40	1975	NA	NA

<u>MOBILITY FIREGL T2/T2e</u>	33	2017	NA	NA
<u>MOBILITY FireGL V3200</u>	62	1906	NA	NA
<u>MOBILITY FireGL V5000</u>	81	1841	NA	NA
Videocard Name	Passmark G3D Mark	Rank	Videocard Value	Price
	(higher is better)	(lower is better)	(higher is better)	(USD)
<u>MOBILITY FireGL V5200</u>	44	1961	NA	NA
<u>MOBILITY FireGL V5250</u>	27	2042	NA	NA
<u>Mobility FireGL V5725</u>	219	1559	NA	NA
<u>MOBILITY IGP 9000/9100</u>	10	2104	NA	NA
<u>Mobility Radeon 4100</u>	81	1847	NA	NA
<u>MOBILITY RADEON 7000 IGP</u>	6	2134	NA	NA
<u>MOBILITY RADEON 7500</u>	3	2206	NA	NA
<u>MOBILITY RADEON 9000</u>	3	2216	NA	NA
<u>MOBILITY RADEON 9000 IGP</u>	7	2117	NA	NA
<u>MOBILITY RADEON 9000/9100 IGP</u>	5	2146	NA	NA
<u>MOBILITY RADEON 9100 IGP</u>	2	2226	NA	NA
<u>MOBILITY RADEON 9200</u>	3	2225	NA	NA
<u>MOBILITY RADEON 9550</u>	30	2034	NA	NA
<u>MOBILITY RADEON 9600</u>	36	2001	NA	NA
<u>MOBILITY RADEON 9600 PRO TURBO</u>	24	2057	NA	NA
<u>MOBILITY RADEON 9600/9700</u>	39	1983	NA	NA
<u>MOBILITY RADEON 9700</u>	27	2041	NA	NA
<u>MOBILITY RADEON 9800</u>	46	1955	NA	NA
<u>Mobility Radeon HD 530v</u>	174	1616	NA	NA
<u>Mobility Radeon HD 540v</u>	188	1602	NA	NA
<u>Mobility Radeon HD 545v</u>	199	1587	NA	NA
<u>Mobility Radeon HD 550v</u>	266	1515	NA	NA
<u>Mobility Radeon HD 560v</u>	318	1471	NA	NA
<u>Mobility Radeon HD 565v</u>	353	1438	NA	NA
<u>Mobility Radeon HD 2300</u>	50	1939	NA	NA

<u>Mobility Radeon HD 2400</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1817 (lower is better)	Videocard Value (higher is better)	Price (USD)
<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	1749	NA	NA
<u>Mobility Radeon HD 3410</u>	62	1904	NA	NA
<u>Mobility Radeon HD 3430</u>	98	1787	NA	NA
<u>Mobility Radeon HD 3450</u>	91	1814	NA	NA
<u>Mobility Radeon HD 3470</u>	93	1802	NA	NA
<u>Mobility Radeon HD 3470 Hybrid X2</u>	93	1801	NA	NA
<u>Mobility Radeon HD 3650</u>	129	1686	1.77	\$73.53*
<u>Mobility Radeon HD 3670</u>	232	1547	NA	NA
<u>Mobility Radeon HD 3850</u>	365	1426	NA	NA
<u>Mobility Radeon HD 3870</u>	547	1246	NA	NA
<u>Mobility Radeon HD 3870 X2</u>	477	1318	NA	NA
<u>Mobility Radeon HD 4200</u>	90	1815	NA	NA
<u>Mobility Radeon HD 4225</u>	66	1895	NA	NA
<u>Mobility Radeon HD 4250</u>	98	1785	NA	NA
<u>Mobility Radeon HD 4270</u>	92	1804	NA	NA
<u>Mobility Radeon HD 4300 Serisi</u>	73	1866	NA	NA
<u>Mobility Radeon HD 4330</u>	135	1675	NA	NA
<u>Mobility Radeon HD 4350</u>	148	1644	NA	NA
<u>Mobility Radeon HD 4550</u>	191	1598	NA	NA
<u>Mobility Radeon HD 4570</u>	134	1678	1.77	\$75.90*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Mobility Radeon HD 4650</u>	401	1399	NA	NA
<u>Mobility Radeon HD 4670</u>	463	1340	NA	NA
<u>Mobility Radeon HD 4830</u>	511	1285	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	1317	NA	NA
<u>Mobility Radeon HD 5165</u>	284	1502	NA	NA
<u>Mobility Radeon HD 5430</u>	181	1608	NA	NA
<u>Mobility Radeon HD 5450</u>	214	1566	NA	NA

<u>Mobility Radeon HD 5470</u> Videocard Name	Passmark G3D Mark (higher is	Rank 1544 (lower is	Videocard Value (higher is	Price (USD)
<u>Mobility Radeon HD 5650</u>	445	1362	NA	NA
<u>Mobility Radeon HD 5730</u>	485	1312	NA	NA
<u>Mobility Radeon HD 5850</u>	763	1026	NA	NA
<u>Mobility Radeon HD 5870</u>	1076	808	NA	NA
<u>Mobility Radeon HD serie 4200</u>	96	1795	NA	NA
<u>MOBILITY RADEON X300</u>	33	2016	NA	NA
<u>MOBILITY RADEON X600</u>	50	1940	NA	NA
<u>MOBILITY RADEON X600 SE</u>	49	1943	NA	NA
<u>MOBILITY RADEON X700</u>	66	1891	NA	NA
<u>MOBILITY RADEON X700 XL</u>	59	1910	NA	NA
<u>Mobility Radeon X1300</u>	39	1981	NA	NA
<u>Mobility Radeon X1350</u>	39	1979	NA	NA
<u>Mobility Radeon X1400</u>	42	1967	NA	NA
<u>Mobility Radeon X1450</u>	33	2020	NA	NA
<u>Mobility Radeon X1600</u>	92	1808	NA	NA
<u>Mobility Radeon X1700</u>	104	1769	NA	NA
<u>MOBILITY RADEON X1800</u>	130	1685	NA	NA
<u>Mobility Radeon X1900</u>	134	1676	NA	NA
<u>Mobility Radeon X2300</u>	48	1949	NA	NA
<u>Mobility Radeon X2300 HD</u>	48	1947	NA	NA
<u>Mobility Radeon X2500</u>	81	1840	NA	NA
<u>MOBILITY RADEON XPRESS 200</u>	27	2045	NA	NA
<u>Mobility Radeon. HD 5470</u>	215	1565	NA	NA
<u>MOBILITY/RADEON 9000</u>	4	2189	NA	NA
<u>MONSTER GeForce GTX 675M</u>	2637	421	NA	NA
<u>MxGPU</u>	1826	582	NA	NA
<u>N16P-GX</u>	1204	749	NA	NA
<u>N18E-Q1</u>	2525	443	NA	NA
<u>nForce 750a SLI</u>	83	1835	NA	NA
<u>nForce 760i SLI</u>	140	1662	NA	NA
<u>nForce 780a SLI</u>	92	1809	NA	NA
<u>nForce 980a/780a SLI</u>	81	1844	NA	NA
<u>NV44</u>	15	2089	NA	NA

NVIDIA TITAN X	Passmark G3D Mark 243	74 Rank (lower is better)	Videocard Value 22.46	\$608.10*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
NVS 310	243	1537	3.92	\$62.06*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
NVS 315	287	1499	4.11	\$69.99*
NVS 510	721	1065	2.07	\$348.30
NVS 810	1141	777	1.83	\$624.99*
NVS 2100M	139	1664	NA	NA
NVS 3100M	114	1735	NA	NA
NVS 4200M	258	1521	0.65	\$399.00*
NVS 5100M	190	1599	NA	NA
NVS 5200M	528	1266	NA	NA
NVS 5400M	635	1142	NA	NA
OPAL XT/GL	1053	820	NA	NA
OpenXT Display Driver	30	2031	NA	NA
P106-100	3801	315	NA	NA
PHDGD Ivy 4	374	1419	NA	NA
PHDGD Ivy 5	445	1361	NA	NA
PHDGD Quantic C3	116	1725	NA	NA
PHDGD Sapphire GR for Mobile Intel 965	25	2049	NA	NA
PHDGD Solo 1.2.0 x86	11	2102	NA	NA
PHDGD Solo 2 x64	20	2074	NA	NA
Professional HD Driver	653	1126	NA	NA
Q12U-1	5164	248	NA	NA
Quadro2 MXR/EX	4	2179	NA	NA
Quadro2 Pro	1	2263	NA	NA
Quadro4 380 XGL	6	2129	NA	NA
Quadro4 900 XGL	4	2161	NA	NA
Quadro4 980 XGL	5	2159	0.01	\$341.43*
Quadro 280 NVS PCIe	5	2143	NA	NA
Quadro 400	146	1650	0.70	\$211.00*
Quadro 410	436	1367	3.38	\$129.00*
Quadro 500M	664	1113	2.41	\$275.14*
Quadro 600	546	1249	7.19	\$76.00*

Quadro 1000M	Passmark G3D Mark (higher is better)	1202 Rank (lower is better)	Videocard Value (higher is better)	\$54.50* Price (USD)
Quadro 2000 D	1239	734	NA	NA
Quadro 2000D	990	856	7.08	\$140.00*
Quadro 2000M	767	1023	3.34	\$229.74*

Quadro 2100M	1100	795	NA	NA
Quadro 3000M	1023	836	14.63	\$69.99*
Quadro 4000	1488	668	1.52	\$978.99
Quadro 4000M	1306	715	5.63	\$232.06*
Quadro 5000	1982	543	0.84	\$2,368.90
Quadro 5000M	2059	521	NA	NA
Quadro 5010M	1891	567	8.02	\$235.95*
Quadro 6000	2688	410	0.66	\$4,092.38*
Quadro 7000	3505	331	NA	NA
Quadro CX	947	889	6.32	\$149.95*
Quadro FX 350	85	1823	NA	NA
Quadro FX 350M	44	1963	NA	NA
Quadro FX 360M	86	1822	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro FX 370	83	1834	0.67	\$125.00*
Quadro FX 370 Low Profile	102	1777	NA	NA
Quadro FX 370 LP	108	1760	NA	NA
Quadro FX 370M	93	1803	NA	NA
Quadro FX 380	185	1605	2.56	\$72.50*
Quadro FX 380 LP	135	1673	NA	NA
Quadro FX 380M	124	1703	NA	NA
Quadro FX 500/600 PCI	14	2091	NA	NA
Quadro FX 500/FX 600	7	2120	NA	NA
Quadro FX 540	80	1850	1.35	\$59.99*
Quadro FX 550	63	1902	0.22	\$287.82*
Quadro FX 560	113	1739	0.76	\$150.25*
Quadro FX 570	155	1636	1.36	\$115.00*
Quadro FX 570M	111	1750	NA	NA
Quadro FX 580	154	1637	1.19	\$130.00*

<u>Quadro FX 770M</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 1603 (lower is better)	Videocard Value (higher is better)	Price \$527.00* (USD)
<u>Quadro FX 1000</u>	34	2011	NA	NA
<u>Quadro FX 1100</u>	35	2002	0.17	\$212.99*
<u>Quadro FX 1300</u>	34	2010	NA	NA
<u>Quadro FX 1400</u>	124	1702	0.51	\$245.01*
<u>Quadro FX 1500</u>	189	1600	1.65	\$115.01*
<u>Quadro FX 1500M</u>	171	1620	NA	NA
<u>Quadro FX 1600M</u>	185	1606	1.24	\$149.90*
<u>Quadro FX 1700</u>	116	1726	0.33	\$350.14*
<u>Quadro FX 1700M</u>	172	1619	NA	NA
<u>Quadro FX 1800</u>	404	1397	3.00	\$135.00*
<u>Quadro FX 1800M</u>	469	1331	NA	NA
<u>Quadro FX 2000</u>	18	2082	NA	NA
<u>Quadro FX 2500M</u>	217	1562	12.45	\$17.50*
<u>Quadro FX 2700</u>	543	1257	NA	NA
<u>Quadro FX 2700M</u>	354	1435	3.55	\$99.95*
<u>Quadro FX 2800M</u>	432	1371	2.28	\$190.00*
<u>Quadro FX 3000</u>	69	1883	0.41	\$166.61*
<u>Quadro FX 3400/4400</u>	104	1770	NA	NA
<u>Quadro FX 3450</u>	148	1643	1.24	\$119.99*
<u>Quadro FX 3450/4000 SDI</u>	185	1604	NA	NA
<u>Quadro FX 3500</u>	291	1493	4.23	\$68.98*
<u>Quadro FX 3500M</u>	306	1477	3.06	\$99.99*
<u>Quadro FX 3600M</u>	466	1333	NA	NA
<u>Quadro FX 3700</u>	390	1405	1.83	\$213.27*
<u>Quadro FX 3700M</u>	477	1319	0.52	\$925.00*
<u>Quadro FX 3800</u>	779	1006	3.01	\$259.13*
<u>Quadro FX 3800M</u>	628	1151	NA	NA
<u>Quadro FX 4000</u>	101	1783	NA	NA
<u>Quadro FX 4500</u>	226	1550	1.34	\$169.00*
<u>Quadro FX 4500 X2</u>	236	1545	NA	NA
<u>Quadro FX 4600</u>	436	1366	1.31	\$333.25*
<u>Quadro FX 4700 X2</u>	676	1102	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

<u>Quadro FX 4800</u> Videocard Name	Passmark G3D Mark (higher is	Rank 864 (lower is	Videocard Value (higher is	<u>\$264.00*</u> (USD)
<u>Quadro FX 5600</u>	561	1233	<u>1.90</u>	<u>\$295.00*</u>
<u>Quadro FX 5800</u>	1247	732	<u>4.55</u>	<u>\$274.00*</u>
<u>Quadro FX Go1400</u>	101	1781	NA	NA
<u>Quadro GP100</u>	16203	46	NA	NA
<u>Quadro GV100</u>	17675	35	<u>1.96</u>	<u>\$8,999.00*</u>
<u>Quadro K420</u>	776	1011	<u>2.89</u>	<u>\$269.00*</u>
<u>Quadro K500M</u>	480	-1	NA	NA
<u>Quadro K510M</u>	610	1176	NA	NA
<u>Quadro K600</u>	762	1027	<u>12.66</u>	<u>\$60.24*</u>
<u>Quadro K610M</u>	711	1074	<u>2.96</u>	<u>\$240.00*</u>
<u>Quadro K620</u>	2244	489	<u>1.11</u>	<u>\$2,029.99*</u>
<u>Quadro K620M</u>	1156	771	NA	NA
<u>Quadro K1000M</u>	776	1012	<u>11.10</u>	<u>\$69.95*</u>
<u>Quadro K1100M</u>	1089	802	<u>3.37</u>	<u>\$322.99*</u>
<u>Quadro K1200</u>	2878	385	<u>9.00</u>	<u>\$319.95*</u>
<u>Quadro K2000</u>	1566	647	<u>5.33</u>	<u>\$294.00*</u>
<u>Quadro K2000D</u>	1613	632	<u>4.75</u>	<u>\$339.99*</u>
<u>Quadro K2000M</u>	1028	832	<u>7.14</u>	<u>\$144.04*</u>
<u>Quadro K2100M</u>	1347	701	<u>3.24</u>	<u>\$415.99*</u>
<u>Quadro K2200</u>	3546	328	<u>13.22</u>	<u>\$268.30*</u>
<u>Quadro K2200M</u>	3876	308	<u>31.02</u>	<u>\$124.95*</u>
<u>Quadro K3000M</u>	1612	633	<u>3.96</u>	<u>\$407.56*</u>
<u>Quadro K3100M</u>	2262	487	<u>5.66</u>	<u>\$399.95*</u>
<u>Quadro K4000</u>	2699	409	<u>10.00</u>	<u>\$270.00*</u>
<u>Quadro K4000M</u>	1994	540	<u>7.85</u>	<u>\$254.00*</u>
<u>Quadro K4100M</u>	2756	400	<u>10.55</u>	<u>\$261.29*</u>
<u>Quadro K4200</u>	4331	284	<u>17.39</u>	<u>\$249.00*</u>
<u>Quadro K5000</u>	3904	303	<u>15.68</u>	<u>\$249.00*</u>
<u>Quadro K5000M</u>	2805	393	<u>5.51</u>	<u>\$508.91*</u>
<u>Quadro K5100M</u>	3310	349	<u>2.99</u>	<u>\$1,108.84*</u>
<u>Quadro K5200</u>	5883	223	<u>14.18</u>	<u>\$415.00*</u>
<u>Quadro K6000</u>	8091	169	<u>30.63</u>	<u>\$264.20</u>
<u>Quadro M500M</u>	1097	797	NA	NA

Quadro M520	Passmark G3D Mark 2000	578 Rank (lower is better)	NA Videocard Value (higher is better)	NA Price (USD)
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro M1000M	2968	379	34.52	\$85.99*
Quadro M1200	3343	346	NA	NA
Quadro M2000	3943	301	14.92	\$264.24*

Quadro M2000M	3518	329	16.51	\$213.16*
Quadro M2200	4360	282	17.44	\$249.99*
Quadro M3000M	5658	230	35.38	\$159.95*
Quadro M4000	6615	203	18.28	\$362.00*
Quadro M4000M	6434	208	25.24	\$254.91*
Quadro M5000	9237	141	18.51	\$499.00*
Quadro M5000M	6840	199	12.51	\$546.92*
Quadro M5500	7915	172	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro M6000	11473	100	10.43	\$1,099.98*
Quadro M6000 24GB	12320	91	NA	NA
Quadro NVS 55/280 PCI	6	2137	NA	NA
Quadro NVS 110M	47	1952	NA	NA
Quadro NVS 120M	46	1954	NA	NA
Quadro NVS 130M	97	1793	NA	NA
Quadro NVS 135M	66	1893	NA	NA
Quadro NVS 140M	48	1948	NA	NA
Quadro NVS 150M	92	1807	NA	NA
Quadro NVS 160M	103	1772	NA	NA
Quadro NVS 210S	23	2063	NA	NA
Quadro NVS 210S / GeForce 6150LE	20	2073	NA	NA
Quadro NVS 280 PCI	8	2115	0.06	\$130.00*
Quadro NVS 280 SD	2	2246	NA	NA
Quadro NVS 285	38	1987	0.23	\$169.86*
Quadro NVS 285 128MB	38	1990	0.70	\$55.00*
Quadro NVS 290	204	1582	3.47	\$59.00*
Quadro NVS 295	74	1856	1.19	\$63.00*
Quadro NVS 320M	127	1693	NA	NA
Quadro NVS 420	69	1878	0.47	\$150.00*



Video Card



Quadro NVS 440	Passmark G3D	Rank	Videocard	Price
Videocard Name	Mark	(lower is	Value	(USD)
	(higher is	better)	(higher is	
Quadro NVS 510M	253	1529	NA	NA
Quadro P400	1604	635	7.98	\$201.17*
Quadro P500	1487	669	NA	NA
Quadro P520	2117	511	1.41	\$1,499.00*
Quadro P600	3293	350	10.10	\$325.99*
Quadro P620	3631	322	6.15	\$590.12
Quadro P1000	4467	276	12.77	\$349.95
Quadro P2000	7081	196	13.07	\$542.00*
Quadro P2000 with Max-Q Design	5392	239	NA	NA
Quadro P2200	9462	135	16.39	\$577.17*
Quadro P3000	6610	204	NA	NA
Quadro P3200	8735	153	22.44	\$389.30*
Quadro P3200 with Max-Q Design	8656	155	NA	NA
Quadro P4000	11355	101	20.42	\$556.19*
Quadro P4000 with Max-Q Design	9082	145	NA	NA
Quadro P4200	9827	124	NA	NA
Quadro P4200 with Max-Q Design	10323	112	NA	NA
Quadro P5000	11958	94	6.40	\$1,868.99*
Quadro P5200	12200	92	NA	NA
Quadro P5200 with Max-Q Design	9796	125	NA	NA
Quadro P6000	15763	53	4.85	\$3,250.00*
Quadro RTX 3000	11119	106	NA	NA
Quadro RTX 3000 with Max-Q Design	7428	189	NA	NA
Quadro RTX 4000	15531	54	17.28	\$899.00*
Quadro RTX 4000 (Mobile)	12948	81	NA	NA
Quadro RTX 4000 with Max-Q Design	11185	104	NA	NA
Quadro RTX 5000	16324	45	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Quadro RTX 5000 (Mobile)	14832	59	NA	NA
Quadro RTX 5000 with Max-Q Design	14699	61	NA	NA
Quadro RTX 6000	19515	20	3.10	\$6,300.00*
Quadro RTX 8000	19126	25	4.03	\$4,741.49*
Quadro T1000	6513	207	14.74	\$441.99*

Quadro T2000 Videocard Name	Passmark G3D Mark (higher is better)	Rank 195 (lower is better)	Videocard Value (higher is better)	Price \$128.35* (USD)
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<u>Qualcomm Adreno 540 GPU</u>	120	1717	NA	NA
<u>Qualcomm Adreno 618 GPU</u>	120	1715	NA	NA
<u>Qualcomm Adreno 630 GPU</u>	267	1513	NA	NA
<u>Qualcomm Adreno 680 GPU</u>	475	1321	NA	NA

<u>Qualcomm Adreno 690 GPU</u>	951	883	NA	NA
<u>QXL KMDOD</u>	18	2077	NA	NA
<u>Radeon 520</u>	837	965	<u>9.31</u>	<u>\$89.99*</u>
<u>Radeon 530</u>	958	877	NA	NA
<u>Radeon 535</u>	1048	824	NA	NA
<u>Radeon 535DX</u>	813	988	NA	NA
<u>Radeon 540</u>	1300	718	NA	NA
<u>Radeon 540X</u>	1397	689	NA	NA
<u>Radeon 550</u>	1958	-1	<u>19.59</u>	<u>\$99.99</u>
<u>Radeon 550X</u>	1429	680	NA	NA
<u>Radeon 620</u>	870	940	NA	NA
<u>Radeon 625</u>	1097	796	NA	NA
<u>Radeon 630</u>	1244	733	NA	NA
<u>Radeon 2100</u>	59	1911	<u>0.34</u>	<u>\$174.29*</u>
<u>Radeon 3000</u>	98	1786	<u>0.31</u>	<u>\$319.00*</u>
<u>Radeon 3100</u>	73	1863	<u>0.33</u>	<u>\$225.99*</u>
<u>Radeon 6600M</u>	523	1271	NA	NA
<u>Radeon 6750M</u>	911	915	NA	NA
<u>Radeon 7000 / Radeon VE</u>	2	2235	NA	NA
<u>RADEON 7000 / RADEON VE Family</u>	3	2198	NA	NA
<u>RADEON 7200</u>	2	2229	<u>0.00</u>	<u>\$599.99*</u>
<u>RADEON 7500</u>	3	2219	<u>0.02</u>	<u>\$177.25*</u>
<u>RADEON 7500 Family</u>	4	2169	NA	NA
<u>RADEON 8500 Family</u>	6	2130	NA	NA
<u>RADEON 9000</u>	4	2174	NA	NA
<u>RADEON 9000 Family</u>	3	2208	NA	NA
<u>RADEON 9100 Family</u>	6	2136	NA	NA
<u>RADEON 9100 IGP</u>	5	2152	NA	NA
<u>RADEON 9200</u>	3	2205	<u>0.02</u>	<u>\$153.63*</u>

<u>RADEON 9200 LE Family</u>	Passmark G3D Mark (higher is better)	2239 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
<u>RADEON 9250</u>	2	2240	0.01	\$194.00*
<u>RADEON 9500</u>	36	1999	0.90	\$40.50*
<u>RADEON 9500 PRO / 9700</u>	41	1971	NA	NA

<u>RADEON 9550</u>	34	2008	0.12	\$291.74*
<u>Radeon 9550 / X1050</u>	29	2039	NA	NA
<u>RADEON 9600 Family</u>	25	2054	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>RADEON 9600 PRO</u>	42	1968	NA	NA
<u>RADEON 9600 PRO Family</u>	26	2046	NA	NA
<u>RADEON 9600 TX Family</u>	18	2079	NA	NA
<u>RADEON 9600 XT</u>	35	2006	NA	NA
<u>RADEON 9600SE</u>	27	2043	NA	NA
<u>RADEON 9700 PRO</u>	53	1928	NA	NA
<u>RADEON 9800</u>	57	1920	0.18	\$325.00*
<u>RADEON 9800 PRO</u>	59	1912	NA	NA
<u>RADEON 9800 SE</u>	23	2064	NA	NA
<u>RADEON 9800 XT</u>	56	1923	NA	NA
<u>RADEON A9800XT</u>	22	2069	NA	NA
<u>RADEON E2400</u>	51	1934	NA	NA
<u>RADEON E4690</u>	405	1396	NA	NA
<u>Radeon E6460</u>	323	1465	NA	NA
<u>Radeon E6465</u>	231	1548	NA	NA
<u>Radeon E6760</u>	876	936	3.65	\$239.99*
<u>Radeon E8860</u>	1625	624	NA	NA
<u>Radeon E8870PCle</u>	3368	341	NA	NA
<u>Radeon HD4650</u>	239	1543	1.57	\$152.90*
<u>Radeon HD4670</u>	365	1425	NA	NA
<u>RADEON HD6370D</u>	320	1467	NA	NA
<u>RADEON HD6410D</u>	422	1379	NA	NA
<u>RADEON HD6530D</u>	531	1264	NA	NA
<u>RADEON HD7450</u>	199	1589	8.95	\$22.25*
<u>Radeon HD8530M</u>	490	1306	NA	NA

<u>Radeon HD8970M</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 340 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 2400</u>	120	1714	1.37	\$88.20*
<u>Radeon HD 2400 PCI</u>	14	2093	NA	NA
<u>Radeon HD 2400 Pro</u>	114	1737	NA	NA
<u>Radeon HD 2400 XT</u>	118	1719	NA	NA
<u>Radeon HD 2600 PRO</u>	211	1570	1.12	\$188.44*
<u>Radeon HD 2600 Pro AGP</u>	110	1753	NA	NA
<u>Radeon HD 2600 XT</u>	282	1504	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	1121	NA	NA
<u>Radeon HD 3000</u>	95	1796	NA	NA
<u>Radeon HD 3200</u>	82	1836	NA	NA
<u>Radeon HD 3300</u>	126	1696	NA	NA
<u>Radeon HD 3450</u>	118	1721	1.33	\$89.00*
<u>Radeon HD 3470</u>	89	1816	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	1400	NA	NA
<u>Radeon HD 3850 AGP</u>	432	1373	NA	NA
<u>Radeon HD 3850 X2</u>	822	979	NA	NA
<u>Radeon HD 3870</u>	576	1214	8.24	\$69.99*
<u>Radeon HD 3870 X2</u>	708	1075	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 4200</u>	111	1745	NA	NA
<u>Radeon HD 4250</u>	122	1708	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	1775	1.01	\$102.24*
<u>Radeon HD 4550</u>	235	1546	1.51	\$156.00*
<u>Radeon HD 4650</u>	219	1558	3.13	\$69.99*
<u>Radeon HD 4650 AGP</u>	207	1576	NA	NA

<u>Radeon HD 4670</u> Videocard Name	Passmark G3D Mark (higher is	Rank 1410 (lower is	Videocard Value (higher is	Price (USD)
<u>Radeon HD 4810</u>	769	1019	NA	NA
<u>Radeon HD 4830</u>	860	951	14.34	\$59.99*
<u>Radeon HD 4850</u>	950	884	2.51	\$378.00*
<u>Radeon HD 4850 X2</u>	1132	780	NA	NA
<u>Radeon HD 4870</u>	1389	690	17.37	\$79.99*
<u>Radeon HD 4870 X2</u>	1309	714	NA	NA
<u>Radeon HD 4890</u>	1532	660	17.04	\$89.99*
<u>Radeon HD 5450</u>	137	1667	1.45	\$94.96*
<u>Radeon HD 5470</u>	268	1512	NA	NA
<u>Radeon HD 5550</u>	376	1418	6.84	\$54.99*
<u>Radeon HD 5570</u>	474	1324	2.58	\$183.47
<u>Radeon HD 5600/5700</u>	660	1117	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>	1343	703	7.07	\$189.99*
<u>Radeon HD 5830</u>	1731	610	6.69	\$258.99*
<u>Radeon HD 5850</u>	1958	552	6.78	\$288.99*
<u>Radeon HD 5870</u>	2273	482	7.71	\$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>	95	1797	NA	NA
<u>Radeon HD 6290</u>	109	1758	NA	NA
<u>Radeon HD 6290M</u>	140	1661	NA	NA
<u>Radeon HD 6300M</u>	141	1656	NA	NA
<u>Radeon HD 6310</u>	123	1704	NA	NA
<u>Radeon HD 6320</u>	148	1645	0.27	\$554.99*
<u>Radeon HD 6320 Graphic</u>	216	1564	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	1527	NA	NA
<u>Radeon HD 6370M</u>	275	1507	NA	NA
<u>Radeon HD 6380G</u>	207	1577	0.52	\$399.99*
<u>Radeon HD 6410D</u>	243	1536	NA	NA

Radeon HD 6430M	Passmark G3D Mark (higher is better)	1596 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
Radeon HD 6450A	260	1519	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 6470M	228	1549	0.40	\$569.99*

Radeon HD 6480G	259	1520	NA	NA
Radeon HD 6480M	353	1437	NA	NA
Radeon HD 6490M	377	1415	0.32	\$1,193.03*
Radeon HD 6520G	298	1485	NA	NA
Radeon HD 6530D	323	1464	NA	NA
Radeon HD 6550A	707	1076	NA	NA
Radeon HD 6550D	405	1395	NA	NA
Radeon HD 6570	500	1297	7.85	\$63.81*
Radeon HD 6610M	565	1228	NA	NA
Radeon HD 6620G	355	1433	NA	NA
Radeon HD 6630M	684	1091	NA	NA
Radeon HD 6650A	835	967	NA	NA
Radeon HD 6650M	755	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	667	NA	NA
Radeon HD 6670/7670	945	890	NA	NA
Radeon HD 6700M	1016	840	NA	NA
Radeon HD 6750	981	862	12.27	\$79.99*
Radeon HD 6750M	937	896	NA	NA
Radeon HD 6770	1232	741	4.65	\$264.99*
Radeon HD 6770M	964	873	NA	NA
Radeon HD 6790	1617	630	5.50	\$294.00*
Radeon HD 6800M	849	957	NA	NA
Radeon HD 6850	1982	541	23.33	\$85.00*
Radeon HD 6850 X2	2534	441	NA	NA
Radeon HD 6870	2221	495	8.08	\$275.00*
Radeon HD 6900M	1709	615	NA	NA
Radeon HD 6950	2646	418	18.90	\$139.99*

Radeon HD 6970	2842	389	0.85	\$149.99*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7290	115	1732	NA	NA
Radeon HD 7290M	123	1706	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	1554	NA	NA
Radeon HD 7350	193	1595	NA	NA
Radeon HD 7400G	267	1514	NA	NA
Radeon HD 7420G	311	1475	NA	NA
Radeon HD 7450	220	1555	4.42	\$49.99*
Radeon HD 7450A	288	1496	NA	NA
Radeon HD 7450M	329	1458	NA	NA
Radeon HD 7470	316	1473	3.89	\$81.37*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 7470M	407	1391	NA	NA
Radeon HD 7480D	283	1503	NA	NA
Radeon HD 7500G	330	1457	NA	NA
Radeon HD 7500G + 7500M/7600M Dual	616	1167	NA	NA
Radeon HD 7500G + 7550M Dual	497	1301	NA	NA
Radeon HD 7500G + HD 7500M/7600M Dual	355	1432	NA	NA
Radeon HD 7520G	317	1472	NA	NA
Radeon HD 7520G + 7400M Dual	486	1310	NA	NA
Radeon HD 7520G + 7470M Dual	542	1258	NA	NA
Radeon HD 7520G + 7500/7600 Dual	582	1205	NA	NA
Radeon HD 7520G + 7600M Dual	591	1195	NA	NA
Radeon HD 7520G + 7610M Dual	588	1198	NA	NA
Radeon HD 7520G + 7650M Dual	453	1348	NA	NA
Radeon HD 7520G + 7670M Dual	523	1272	NA	NA

<u>Radeon HD 7520G + 7700M Dual</u>	1060	816	NA	NA
<u>Videocard Name</u>	<u>Passmark G3D</u>	<u>Rank</u>	<u>Videocard</u>	<u>Price</u>
<u>Radeon HD 7520G + 8600/8700M Dual</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>Radeon HD 7520G + HD 7400M Dual</u>	544	1254	NA	NA
<u>Radeon HD 7520G + HD 7500/7600 Dual</u>	832	969	NA	NA
<u>Radeon HD 7520G + HD 7600M Dual</u>	447	1357	NA	NA
<u>Radeon HD 7520G + HD 7670M Dual</u>	495	1303	NA	NA

<u>Radeon HD 7520G + HD 7700M Dual</u>	574	1217	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	1219	NA	NA
<u>Radeon HD 7520G N HD 7520G + HD 7600M N HD 7600M D</u>	364	1427	NA	NA
<u>Radeon HD 7540D</u>	335	1450	NA	NA
<u>Radeon HD 7540D + 6570 Dual</u>	719	1068	NA	NA
<u>Radeon HD 7540D + 7500 Dual</u>	821	981	NA	NA
<u>Radeon HD 7540D + HD 6450 Dual</u>	643	1135	NA	NA
<u>Radeon HD 7550M</u>	464	1338	NA	NA
<u>Radeon HD 7550M/7650M</u>	728	1059	NA	NA
<u>Radeon HD 7560D</u>	469	1330	NA	NA
<u>Radeon HD 7560D + 6450 Dual</u>	568	1225	NA	NA
<u>Radeon HD 7560D + 6570 Dual</u>	833	968	NA	NA
<u>Radeon HD 7560D + 6670 Dual</u>	1130	781	NA	NA
<u>Radeon HD 7560D + 7560D Dual</u>	982	860	NA	NA
<u>Radeon HD 7560D + 7570 Dual</u>	985	858	NA	NA
<u>Radeon HD 7560D + 7670 Dual</u>	1426	682	NA	NA
<u>Radeon HD 7560D + 7700 Dual</u>	1919	561	NA	NA
<u>Radeon HD 7560D + HD 6570 Dual</u>	1237	737	NA	NA
<u>Radeon HD 7560D + HD 6670 Dual</u>	1554	651	NA	NA
<u>Radeon HD 7560D + HD 7000 Dual</u>	534	1261	NA	NA
<u>Radeon HD 7560D + HD 7600 Dual</u>	1258	729	NA	NA
<u>Radeon HD 7560D + HD 7670 Dual</u>	1380	692	NA	NA
<u>Radeon HD 7560D + HD 7700 Dual</u>	1346	702	NA	NA
<u>Radeon HD 7560D + HD 8570 Dual</u>	935	897	NA	NA
<u>Radeon HD 7560D + R5 235 Dual</u>	563	1231	NA	NA
<u>Radeon HD 7570</u>	610	1174	5.96	\$102.49*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
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Radeon HD 7570M/HD 7670M	699	1083	NA	NA
Radeon HD 7580D	350	1439	NA	NA
Radeon HD 7600G	320	1468	NA	NA
Radeon HD 7600G + 6400M Dual	376	1417	NA	NA

Radeon HD 7600G + 7450M Dual	389	1406	NA	NA
Radeon HD 7600G + 7500M/7600M Dual	405	1393	NA	NA
Radeon HD 7600G + 7550M Dual	423	1378	NA	NA
Radeon HD 7600G + 8500M/8700M Dual	469	1329	NA	NA
Radeon HD 7600G + HD 7400M Dual	328	1460	NA	NA
Radeon HD 7600G + HD 7500M/7600M Dual	555	1239	NA	NA
Radeon HD 7600G + HD 7550M Dual	509	1289	NA	NA
Radeon HD 7600G + HD 8670M Dual	543	1256	NA	NA
Radeon HD 7600G + HD Dual	435	1368	NA	NA
Radeon HD 7600G N HD 7600G + HD ON HD Dual	526	1268	NA	NA
Radeon HD 7600M + 7600M Dual	773	1016	NA	NA
Radeon HD 7610M	632	1145	NA	NA
Radeon HD 7620G	355	1434	NA	NA
Radeon HD 7620G + 8600M Dual	508	1290	NA	NA
Radeon HD 7620G + 8670M Dual	577	1212	NA	NA
Radeon HD 7620G + HD 8600M Dual	442	1364	NA	NA
Radeon HD 7620G + HD 8670M Dual	507	1292	NA	NA
Radeon HD 7620G N HD 7620G + HD 8600M N HD 8600M D	451	1353	NA	NA
Radeon HD 7640G	451	1352	NA	NA
Radeon HD 7640G + 6400M Dual	526	1267	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	1190	NA	NA
Radeon HD 7640G + 7500/7600 Dual	627	1154	NA	NA
Radeon HD 7640G + 7500M/7600M Dual	775	1014	NA	NA
Radeon HD 7640G + 7600M Dual	705	1078	NA	NA
Radeon HD 7640G + 7610M Dual	510	1286	NA	NA
Radeon HD 7640G + 7650M Dual	747	1043	NA	NA

<u>Radeon HD 7640G + 7670M Dual</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
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<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	1531	NA	NA
<u>Radeon HD 7640G + 8670M Dual</u>	558	1237	NA	NA
<u>Radeon HD 7640G + 8750M Dual</u>	654	1123	NA	NA
<u>Radeon HD 7640G + HD 7400M Dual</u>	621	1160	NA	NA
<u>Radeon HD 7640G + HD 7500/7600 Dual</u>	423	1377	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	1392	NA	NA
<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

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 7640G + HD 8500M Dual</u>	607	1179	NA	NA
<u>Radeon HD 7640G + HD 8500M N HD 8500M Dual</u>	665	1109	NA	NA
<u>Radeon HD 7640G + HD 8570M Dual</u>	474	1323	NA	NA
<u>Radeon HD 7640G + HD 8600/8700M Dual</u>	586	1201	NA	NA
<u>Radeon HD 7640G + HD 8670M Dual</u>	677	1099	NA	NA
<u>Radeon HD 7640G + HD 8750M Dual</u>	996	853	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	977	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	1380	NA	NA
<u>Radeon HD 7650A</u>	566	1227	2.16	\$262.00*
<u>Radeon HD 7650M</u>	450	1354	NA	NA
<u>Radeon HD 7660D</u>	503	1295	NA	NA
<u>Radeon HD 7660D + 6570 Dual</u>	1100	794	NA	NA

	Passmark G3D	Rank	Videocard	
<u>Radeon HD 7660D + 6670 Dual</u>	Mark 1238 (higher is better)	Rank 106 (lower is better)	Value NA (higher is better)	Price NA (less is better)

<u>Radeon HD 7660D + 7500 Dual</u>	1121	785	NA	NA
<u>Radeon HD 7660D + 7540D Dual</u>	1204	750	NA	NA
<u>Radeon HD 7660D + 7670 Dual</u>	1061	815	NA	NA
<u>Radeon HD 7660D + HD 6670 Dual</u>	1484	670	NA	NA

<u>Radeon HD 7660D + HD 7000 Dual</u>	633	1144	NA	NA
<u>Radeon HD 7660D + HD 7400 Dual</u>	339	1447	NA	NA
<u>Radeon HD 7660D + HD 7700 Dual</u>	1958	553	NA	NA
<u>Radeon HD 7660D + R5 235 Dual</u>	523	1270	NA	NA
<u>Radeon HD 7660D + R7 240 Dual</u>	941	895	NA	NA
<u>Radeon HD 7660G</u>	476	1320	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	972	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	898	NA	NA
<u>Radeon HD 7660G + 8600M Dual</u>	445	1359	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	850	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	852	NA	NA
<u>Radeon HD 7660G + HD 7600M Dual</u>	615	1169	NA	NA
<u>Radeon HD 7660G + HD 7600M N HD 7600M Dual</u>	460	1345	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	932	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
<u>Radeon HD 7660G + HD 8600M Dual</u>	363	1428	NA	NA
<u>Radeon HD 7660G + HD 8670M Dual</u>	711	1073	NA	NA
<u>Radeon HD 7660G + HD 8670M Dual</u>	711	1073	NA	NA

<u>Radeon HD 7660G N HD 7660G + HD 7600M N HD 7600M D</u> Videocard Name	<u>722</u> Passmark G3D Mark (higher is	1063 Rank (lower is	NA Videocard Value (higher is	NA Price (USD)
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<u>Radeon HD 7660G N HD 7660G + HD 7670M Dual</u>	704	1079	NA	NA
<u>Radeon HD 7660G N HD 7660G + HD 7700M N HD 7700M D</u>	966	872	NA	NA
<u>Radeon HD 7670</u>	812	989	NA	NA

<u>Radeon HD 7670A</u>	1050	821	NA	NA
<u>Radeon HD 7670M</u>	484	1313	0.77	\$629.99*
<u>Radeon HD 7670M + 7670M Dual</u>	738	1056	NA	NA
<u>Radeon HD 7690M</u>	1003	849	NA	NA
<u>Radeon HD 7690M XT</u>	1009	846	NA	NA
<u>Radeon HD 7700-serie</u>	1899	565	NA	NA
<u>Radeon HD 7730</u>	1229	744	5.28	\$232.70*
<u>Radeon HD 7730M</u>	660	1118	NA	NA
<u>Radeon HD 7750</u>	1710	614	17.10	\$99.99*
<u>Radeon HD 7750M</u>	1191	756	NA	NA
<u>Radeon HD 7770</u>	2199	496	7.33	\$300.00*
<u>Radeon HD 7790</u>	3090	368	22.07	\$139.99*
<u>Radeon HD 7800-serie</u>	4029	298	NA	NA
<u>Radeon HD 7850</u>	3824	313	22.50	\$169.99*
<u>Radeon HD 7850M</u>	1372	694	NA	NA
<u>Radeon HD 7870</u>	4666	270	26.51	\$176.00*
<u>Radeon HD 7870 XT</u>	4469	275	NA	NA
<u>Radeon HD 7870M</u>	1507	664	NA	NA
<u>Radeon HD 7950 / R9 280</u>	4764	264	36.04	\$132.20*
<u>Radeon HD 7970 / R9 280X</u>	5247	243	21.25	\$246.99*
<u>Radeon HD 7970M</u>	3774	316	NA	NA
<u>Radeon HD 7990</u>	5565	232	13.91	\$399.99*
<u>Radeon HD 8180</u>	138	1666	NA	NA
<u>Radeon HD 8210</u>	189	1601	NA	NA
<u>Radeon HD 8210E</u>	193	1594	NA	NA
<u>Radeon HD 8240</u>	240	1542	NA	NA
<u>Radeon HD 8250</u>	207	1575	NA	NA
<u>Radeon HD 8280</u>	319	1470	NA	NA
<u>Radeon HD 8280E</u>	241	1541	NA	NA

Radeon HD 8280G	Passmark G3D Mark (higher is better)	1511 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
Radeon HD 8330E	242	1540	NA	NA
Radeon HD 8350	164	1628	1.65	\$99.81*
Radeon HD 8350G	304	1479	NA	NA

Radeon HD 8370D	312	1474	NA	NA
Radeon HD 8400	258	1523	NA	NA
Radeon HD 8400E	272	1508	NA	NA
Radeon HD 8410G	435	1369	NA	NA
Radeon HD 8450G	360	1431	NA	NA
Radeon HD 8450G + 8600/8700M Dual	1070	810	NA	NA
Radeon HD 8450G + 8600M Dual	545	1251	NA	NA
Radeon HD 8450G + 8670M Dual	474	1322	NA	NA
Radeon HD 8450G + 8750M Dual	637	1138	NA	NA
Radeon HD 8450G + HD 8600M Dual	452	1349	NA	NA
Radeon HD 8450G + HD 8670M Dual	574	1220	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon HD 8450G + HD 8750M Dual	503	1296	NA	NA
Radeon HD 8450G + R5 M230 Dual	578	1210	NA	NA
Radeon HD 8470	256	1524	NA	NA
Radeon HD 8470D	362	1430	NA	NA
Radeon HD 8470D + 6450 Dual	717	1070	NA	NA
Radeon HD 8470D + 6570 Dual	837	964	NA	NA
Radeon HD 8470D + HD 6450 Dual	862	948	NA	NA
Radeon HD 8470D + HD 6670 Dual	1435	678	NA	NA
Radeon HD 8470D + HD 7500 Dual	1545	654	NA	NA
Radeon HD 8490	264	1517	2.94	\$89.99*
Radeon HD 8500M	399	1402	NA	NA
Radeon HD 8500M/8700M	852	956	NA	NA
Radeon HD 8510G	365	1424	NA	NA
Radeon HD 8510G + 8500M Dual	596	1188	NA	NA
Radeon HD 8510G + HD 8500M Dual	629	1148	NA	NA
Radeon HD 8550D	685	1090	NA	NA
Radeon HD 8550G	401	1398	NA	NA

<u>Radeon HD 8550G + 7600M Dual</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 917 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 8550G + 8570M Dual</u>	532	1263	NA	NA
<u>Radeon HD 8550G + 8600/8700M Dual</u>	802	995	NA	NA
<u>Radeon HD 8550G + 8600M Dual</u>	617	1165	NA	NA
<u>Radeon HD 8550G + 8670M Dual</u>	579	1208	NA	NA
<u>Radeon HD 8550G + 8690M Dual</u>	664	1111	NA	NA
<u>Radeon HD 8550G + 8750M Dual</u>	795	1000	NA	NA
<u>Radeon HD 8550G + HD 7600M Dual</u>	854	952	NA	NA
<u>Radeon HD 8550G + HD 8500M Dual</u>	558	1236	NA	NA
<u>Radeon HD 8550G + HD 8570M Dual</u>	529	1265	NA	NA
<u>Radeon HD 8550G + HD 8600/8700M Dual</u>	654	1124	NA	NA
<u>Radeon HD 8550G + HD 8600M Dual</u>	593	1192	NA	NA
<u>Radeon HD 8550G + HD 8670M Dual</u>	546	1250	NA	NA
<u>Radeon HD 8550G + HD 8750M Dual</u>	819	983	NA	NA
<u>Radeon HD 8550G + R5 M200 Dual</u>	619	1164	NA	NA
<u>Radeon HD 8550G + R5 M230 Dual</u>	487	1308	NA	NA
<u>Radeon HD 8550G N HD 8550G + HD 8600M N HD 8600M D</u>	611	1173	NA	NA
<u>Radeon HD 8570</u>	980	863	9.93	\$98.68*
<u>Radeon HD 8570 + 8670D Dual</u>	620	1163	NA	NA
<u>Radeon HD 8570 + HD 7660D Dual</u>	949	886	NA	NA
<u>Radeon HD 8570D</u>	430	1375	NA	NA
<u>Radeon HD 8570D + 6570 Dual</u>	1239	735	NA	NA
<u>Radeon HD 8570D + 6670 Dual</u>	1039	827	NA	NA
<u>Radeon HD 8570D + HD8490 Dual</u>	374	1420	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	581	NA	NA
<u>Radeon HD 8570D + HD 8470 Dual</u>	338	1449	NA	NA
<u>Radeon HD 8570D + HD 8570 Dual</u>	1032	829	NA	NA
<u>Radeon HD 8570D + R5 235 Dual</u>	470	1326	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 + R7 200 Dual</u>	999	851	NA	NA

<u>Radeon HD 8570D + R7 240 Dual</u> Videocard Name	Passmark G3D Mark (higher is	Rank (lower is	Videocard Value (higher is	Price (USD)
<u>Radeon HD 8600/8700M</u>	1029	830	NA	NA
<u>Radeon HD 8610G</u>	414	1386	NA	NA
<u>Radeon HD 8610G + 8500M Dual</u>	610	1177	NA	NA
<u>Radeon HD 8610G + 8600M Dual</u>	588	1197	NA	NA

<u>Radeon HD 8610G + 8670M Dual</u>	599	1186	NA	NA
<u>Radeon HD 8610G + HD 8500M Dual</u>	645	1133	NA	NA
<u>Radeon HD 8610G + HD 8600M Dual</u>	480	1314	NA	NA
<u>Radeon HD 8610G + HD 8670M Dual</u>	577	1211	NA	NA
<u>Radeon HD 8610G + R5 M200 Dual</u>	676	1101	NA	NA
<u>Radeon HD 8650D</u>	525	1269	NA	NA
<u>Radeon HD 8650G</u>	480	1315	NA	NA
<u>Radeon HD 8650G + 7600M Dual</u>	741	1053	NA	NA
<u>Radeon HD 8650G + 7670M Dual</u>	883	929	NA	NA
<u>Radeon HD 8650G + 7700M Dual</u>	1126	783	NA	NA
<u>Radeon HD 8650G + 8500M Dual</u>	626	1155	NA	NA
<u>Radeon HD 8650G + 8570M Dual</u>	654	1125	NA	NA
<u>Radeon HD 8650G + 8600/8700M Dual</u>	831	971	NA	NA
<u>Radeon HD 8650G + 8600M Dual</u>	613	1171	NA	NA
<u>Radeon HD 8650G + 8670M Dual</u>	635	1141	NA	NA
<u>Radeon HD 8650G + 8750M Dual</u>	786	1001	NA	NA
<u>Radeon HD 8650G + HD 7600M Dual</u>	819	982	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	1180	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	996	NA	NA
<u>Radeon HD 8650G + R5 M200 Dual</u>	722	1064	NA	NA
<u>Radeon HD 8650G + R5 M230 Dual</u>	686	1089	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>	Passmark G3D Mark 706 /higher is better	Rank 999 (lower is better)	Videocard Value NA /higher is better	Price NA (USD)
<u>8600M N HD 8600M D</u>				
<u>Radeon HD 8670D</u>	540	1259	NA	NA
<u>Radeon HD 8670D + 6670 Dual</u>	1361	697	NA	NA
<u>Radeon HD 8670D + 7000 Dual</u>	811	990	NA	NA

<u>Radeon HD 8670D + 7700 Dual</u>	1788	597	NA	NA
<u>Radeon HD 8670D + 8570 Dual</u>	974	869	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	709	NA	NA
<u>Radeon HD 8670D + HD 7700 Dual</u>	1892	566	NA	NA
<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	885	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 + R7 240 Dual</u>	1020	839	NA	NA
<u>Radeon HD 8670D N HD 8670D + HD 8670D Dual</u>	488	1307	NA	NA
<u>Radeon HD 8670M</u>	520	1275	NA	NA
<u>Radeon HD 8690A</u>	465	1334	NA	NA
<u>Radeon HD 8690M</u>	984	859	NA	NA
<u>Radeon HD 8730M</u>	661	1116	NA	NA
<u>Radeon HD 8750M</u>	874	938	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	870	NA	NA
<u>Radeon HD 8850M / R9 M265X</u>	1139	778	NA	NA
<u>Radeon HD 8870M</u>	1638	623	NA	NA
<u>Radeon HD 8870M / R9 M270X / M370X</u>	1799	591	NA	NA
<u>Radeon HD 8950</u>	2267	485	NA	NA
<u>Radeon HD 8970M</u>	3876	309	27.69	\$139.99*
<u>Radeon HD 8990</u>	5214	245	NA	NA
<u>Radeon HD HD7850M</u>	1651	622	NA	NA
<u>Radeon HDG 4670</u>	170	1623	NA	NA



Video Card



<u>RADEON IGP 34xM</u>	Passmark G3D Mark 11000 (higher is better)	2257 Rank (lower is better)	NA Videocard Value (higher is better)	NA Price (USD)
<u>Radeon IGP 340M</u>	2	2245	NA	NA
<u>RADEON IGP 345M</u>	2	2234	NA	NA
<u>RADEON IGP 350M</u>	6	2138	NA	NA
<u>Radeon Infoshock 3000</u>	106	1763	NA	NA
<u>Radeon Instinct MI25 MxGPU</u>	10466	110	NA	NA
<u>Radeon M535DX</u>	749	1042	NA	NA
<u>Radeon Pro</u>	3017	376	7.54	\$399.99*
<u>Radeon Pro 450</u>	2722	403	NA	NA
<u>Radeon Pro 455</u>	3112	365	6.93	\$449.00*
<u>Radeon Pro 460</u>	3452	334	NA	NA
<u>Radeon Pro 465</u>	4537	272	NA	NA
<u>Radeon Pro 555</u>	3140	363	2.99	\$1,049.00*
<u>Radeon Pro 560</u>	3475	333	NA	NA
<u>Radeon Pro 560X</u>	3677	320	NA	NA
<u>Radeon Pro 570</u>	6336	209	NA	NA
<u>Radeon Pro 580</u>	7753	181	NA	NA
<u>Radeon Pro 580X</u>	7540	185	NA	NA
<u>Radeon Pro 5300</u>	7491	188	NA	NA
<u>Radeon Pro 5300M</u>	5839	224	NA	NA
<u>Radeon Pro 5500 XT</u>	8298	165	NA	NA
<u>Radeon Pro 5500M</u>	6781	200	NA	NA
<u>Radeon Pro 5600M</u>	10200	113	NA	NA
<u>Radeon Pro 5700</u>	11844	95	NA	NA
<u>Radeon Pro 5700 XT</u>	12551	86	NA	NA
<u>Radeon Pro Duo</u>	8323	164	6.94	\$1,199.06*
<u>Radeon Pro Ryzen 5 PRO 5650U</u>	2480	448	NA	NA
<u>Radeon Pro Ryzen 7 PRO 5850U</u>	2286	479	NA	NA
<u>Radeon Pro SSG</u>	10497	109	4.36	\$2,410.15*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon Pro V340 MxGPU</u>	2853	387	NA	NA
<u>Radeon Pro V520 MxGPU</u>	12852	82	NA	NA
<u>Radeon Pro Vega 16</u>	4682	268	NA	NA
<u>Radeon Pro Vega 20</u>	5116	250	NA	NA

<u>Radeon Pro Vega 48</u> Videocard Name	Passmark G3D Mark (higher is	Rank 99 (lower is	Videocard Value (higher is	Price (USD)
<u>Radeon Pro Vega 64</u>	9795	126	NA	NA
<u>Radeon Pro Vega 64X</u>	14630	-1	NA	NA
<u>Radeon Pro Vega II</u>	14737	60	NA	NA
<u>Radeon Pro VII</u>	16853	40	NA	NA
<u>Radeon Pro W5500</u>	9261	140	19.26	\$480.99*
<u>Radeon Pro W5500M</u>	2010	533	NA	NA
<u>Radeon Pro W5700</u>	15039	58	9.11	\$1,649.99*
<u>Radeon PRO W6400</u>	5232	244	NA	NA
<u>Radeon PRO W6600</u>	14435	65	NA	NA
<u>Radeon PRO W6800</u>	19283	24	8.79	\$2,194.99*
<u>Radeon Pro WX 2100</u>	1758	605	NA	NA
<u>Radeon Pro WX 3100</u>	2637	422	NA	NA
<u>Radeon Pro WX 3200</u>	2455	451	10.42	\$235.62
<u>Radeon Pro WX 4100</u>	3755	319	7.51	\$499.99*
<u>Radeon Pro WX 4130</u>	1798	592	NA	NA
<u>Radeon Pro WX 4150</u>	2021	530	3.31	\$610.04*
<u>Radeon Pro WX 4170</u>	1409	686	NA	NA
<u>Radeon Pro WX 5100</u>	5488	236	9.96	\$550.95*
<u>Radeon Pro WX 7100</u>	7905	173	7.54	\$1,047.99*
<u>Radeon Pro WX 7130</u>	5721	228	NA	NA
<u>Radeon Pro WX 8200</u>	14051	67	8.79	\$1,599.39*
<u>Radeon Pro WX 9100</u>	13189	79	NA	NA
<u>Radeon Pro WX Vega M GL</u>	6049	217	NA	NA
<u>Radeon R1E</u>	301	1482	NA	NA
<u>Radeon R2</u>	242	1539	NA	NA
<u>Radeon R2E</u>	221	1553	NA	NA
<u>Radeon R3</u>	302	1481	NA	NA
<u>Radeon R3E</u>	205	1578	NA	NA
<u>Radeon R4</u>	331	1456	0.83	\$396.99*
<u>Radeon R4E</u>	487	1309	NA	NA
<u>Radeon R5 220</u>	134	1677	1.58	\$85.26*
<u>Radeon R5 230</u>	221	1552	2.74	\$81.10*
<u>Radeon R5 235</u>	329	1459	5.47	\$60.13*

<u>Radeon R5 235 + HD 7560D Dual</u>	Passmark G3D Mark (higher is better)	1049 Rank (lower is better)	NA Videocard Value (higher is better)	NA Price (USD)
<u>Radeon R5 235 + HD 7560D Dual</u>				
<u>Radeon R5 240</u>	519	1276	6.11	\$85.00*
<u>Radeon R5 310</u>	331	1455	0.66	\$499.00*
<u>Radeon R5 330</u>	513	1283	1.51	\$339.99*

<u>Radeon R5 340</u>	996	854	NA	NA
<u>Radeon R5 420</u>	574	1218	14.39	\$39.95*
<u>Radeon R5 430</u>	941	894	15.97	\$59.00*
<u>Radeon R5 435</u>	840	961	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon R5 A6-7480</u>	675	1104	NA	NA
<u>Radeon R5 A6-8500P</u>	776	1010	NA	NA
<u>Radeon R5 A6-9400 RADEON R5, 6 COMPUTE CORES 2C+4G</u>	680	1093	NA	NA
<u>Radeon R5 A6-9500 2C+6G</u>	1040	826	NA	NA
<u>Radeon R5 A6-9500E 2C+4G</u>	1014	843	NA	NA
<u>Radeon R5 A10-9600P 4C+6G</u>	805	994	NA	NA
<u>Radeon R5 A10-9620P 4C+6G</u>	796	998	NA	NA
<u>Radeon R5 A10-9630P 4C+6G</u>	1366	695	NA	NA
<u>Radeon R5 A240</u>	576	1216	NA	NA
<u>Radeon R5 M230</u>	393	1404	NA	NA
<u>Radeon R5 M240</u>	432	1372	NA	NA
<u>Radeon R5 M255</u>	512	1284	NA	NA
<u>Radeon R5 M315</u>	455	1347	NA	NA
<u>Radeon R5 M320</u>	418	1385	NA	NA
<u>Radeon R5 M330</u>	595	1189	NA	NA
<u>Radeon R5 M335</u>	548	1245	NA	NA
<u>Radeon R5 M420</u>	470	1327	NA	NA
<u>Radeon R5 M430</u>	648	1130	NA	NA
<u>Radeon R5 M435</u>	806	992	NA	NA
<u>Radeon R5 Opteron X3216</u>	394	1403	NA	NA
<u>Radeon R5 PRO A6-8500B 2C+4G</u>	508	1291	NA	NA
<u>Radeon R5 PRO A6-8530B 2C+4G</u>	689	1086	NA	NA
<u>Radeon R5 PRO A6-8570 2C+6G</u>	1079	807	NA	NA

<u>Radeon R5 PRO A6-8570E 2C+4G</u>	839	962	NA	NA
Videocard Name	Passmark G3D Mark	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R5 PRO A6-9500 2C+6G	877	934	NA	NA

<u>Radeon R5 PRO A6-9500E 2C+4G</u>	877	934	NA	NA
<u>Radeon R5 PRO A8-9600B 4C+6G</u>	845	959	NA	NA
<u>Radeon R5 PRO A10-8730B 4C+6G</u>	822	978	NA	NA
<u>Radeon R5E</u>	300	1483	NA	NA

<u>Radeon R6</u>	659	1120	NA	NA
<u>Radeon R6 + R7 M265DX Dual</u>	570	1223	NA	NA
<u>Radeon R6 A8-8600P</u>	560	1234	NA	NA
<u>Radeon R6 A10-8700P</u>	680	1094	NA	NA
<u>Radeon R6 A10-9600P 4C+6G</u>	970	871	NA	NA
<u>Radeon R6 M255DX</u>	572	1221	NA	NA
<u>Radeon R6 Opteron X3418</u>	955	879	NA	NA
<u>Radeon R6 PRO A8-8600B 4C+6G</u>	593	1191	NA	NA
<u>Radeon R6 PRO A10-8700B 4C+6G</u>	572	1222	NA	NA
<u>Radeon R7 240</u>	862	946	7.85	\$109.99*
<u>Radeon R7 240 + HD 8570D Dual</u>	917	908	NA	NA
<u>Radeon R7 240 + HD 8670D Dual</u>	930	900	NA	NA
<u>Radeon R7 250</u>	1118	786	5.89	\$189.97*
<u>Radeon R7 250X</u>	2268	484	11.70	\$194.00*
<u>Radeon R7 260</u>	2891	384	32.13	\$89.99*
<u>Radeon R7 260X</u>	3146	362	22.47	\$139.99*
<u>Radeon R7 340</u>	930	899	NA	NA
<u>Radeon R7 360</u>	3024	374	20.72	\$145.99*
<u>Radeon R7 370</u>	4493	274	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon R7 430</u>	1096	799	5.48	\$199.99*
<u>Radeon R7 450</u>	1965	549	6.57	\$299.00*
<u>Radeon R7 7850A10-7850K</u>	551	1243	NA	NA
<u>Radeon R7 +8G</u>	1190	757	NA	NA
<u>Radeon R7 + HD 7700 Dual</u>	1962	551	NA	NA
<u>Radeon R7 + R5 330 Dual</u>	1028	833	NA	NA
<u>Radeon R7 + R5 340 Dual</u>	1234	739	NA	NA
<u>Radeon R7 + R5 435 Dual A10-9700 RADEON</u>	885	928	NA	NA

Radeon R7 + R5 Dual	897	Passmark G3D	920	NA	NA
Radeon R7 + R7 200 Dual	1124	Mark	Lower is	Value	Price
	Mark	Mark	Mark	Mark	Mark
Radeon R7 + R7 250 Dual	1232		742	NA	NA
Radeon R7 + R7 350 Dual	1982		542	NA	NA
Radeon R7 A8 PRO-7600B	743		1050	NA	NA
Radeon R7 A8-7500	1027		834	NA	NA
Radeon R7 A8-7500 4C+6G	853		955	NA	NA
Radeon R7 A8-7600	922		905	NA	NA
Radeon R7 A8-7650K	862		947	NA	NA
Radeon R7 A8-7670K	876		935	NA	NA
Radeon R7 A8-7680	948		888	NA	NA
Radeon R7 A8-8650	912		911	NA	NA
Radeon R7 A8-9600 RADEON	1068		811	NA	NA
Radeon R7 A10 Extreme Edition	816		986	NA	NA
Radeon R7 A10 PRO-7800B	756		1034	NA	NA
Radeon R7 A10 PRO-7850B	962		876	NA	NA
Radeon R7 A10-7700K	896		921	NA	NA
Radeon R7 A10-7800	889		925	NA	NA
Radeon R7 A10-7850K	1021		837	NA	NA
Radeon R7 A10-7860K	974		868	NA	NA
Radeon R7 A10-7870K	1122		784	NA	NA
Radeon R7 A10-7890K	1152		772	NA	NA
Radeon R7 A10-8750	976		866	NA	NA
Radeon R7 A10-8850	1114		789	NA	NA
Radeon R7 A10-9700 RADEON	1166		764	NA	NA
Radeon R7 A10-9700E RADEON	1100		793	NA	NA
Radeon R7 A12-9700P RADEON	754		1037	1.73	\$435.92*
Radeon R7 A12-9720P RADEON	921		907	2.52	\$365.48*
Radeon R7 A12-9730P RADEON	861		950	NA	NA
Radeon R7 A12-9800 RADEON	1248		731	NA	NA
Radeon R7 A12-9800E RADEON	1105		791	7.94	\$139.19*
Radeon R7 A265	954		880	NA	NA
Radeon R7 A360	676		1100	NA	NA
Radeon R7 A365	781		1005	NA	NA
Radeon R7 A370	1281		723	NA	NA

Radeon R7 FX-8800P	Passmark G3D Mark (higher is better)	831 Rank (lower is better)	NA Videocard Value (higher is better)	NA Price (USD)
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R7 G	869	941	NA	NA
Radeon R7 M260	446	1358	0.56	\$799.00*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)

Radeon R7 M260DX	822	980	NA	NA
Radeon R7 M260X	954	881	NA	NA
Radeon R7 M265	576	1215	NA	NA
Radeon R7 M265DX	498	1298	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	835	NA	NA
Radeon R7 M360	553	1241	NA	NA
Radeon R7 M365X	883	930	NA	NA
Radeon R7 M370	1417	685	NA	NA
Radeon R7 M380	1668	621	NA	NA
Radeon R7 M440	863	945	NA	NA
Radeon R7 M445	926	902	1.25	\$744.00*
Radeon R7 M460	1074	809	NA	NA
Radeon R7 M465	995	855	NA	NA
Radeon R7 M465X	1623	627	NA	NA
Radeon R7 Opteron X3421	1168	763	NA	NA
Radeon R7 PRO A6-9500 2C+6G	781	1004	NA	NA
Radeon R7 PRO A8-8650B	832	970	NA	NA
Radeon R7 PRO A8-8670E	1309	713	NA	NA
Radeon R7 PRO A8-9600	1049	823	NA	NA
Radeon R7 PRO A10-8750B	954	882	NA	NA
Radeon R7 PRO A10-8770	1319	708	NA	NA
Radeon R7 PRO A10-8770E	1134	779	NA	NA
Radeon R7 PRO A10-8850B	945	892	NA	NA
Radeon R7 PRO A10-9700	1263	726	NA	NA
Radeon R7 PRO A10-9700B	1066	813	NA	NA
Radeon R7 PRO A10-9700E	1142	776	2.16	\$529.00*

<u>Radeon R7 PRO A12-8800B</u>	Passmark G3D Mark (higher is better)	1048 Rank (lower is better)	NA Videocard Value (higher is better)	NA Price (USD)
<u>Radeon R7 PRO A12-8870E</u>	1160	769	NA	NA
<u>Radeon R7 PRO A12-9800</u>	1340	705	NA	NA
<u>Radeon R7 PRO A12-9800B</u>	829	974	NA	NA

<u>Radeon R7 PRO A12-9800E</u>	1014	842	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	993	NA	NA
<u>Radeon R8 M535DX</u>	670	1107	NA	NA
<u>Radeon R9 255</u>	1484	671	4.31	\$344.16*
<u>Radeon R9 260</u>	3181	356	NA	NA
<u>Radeon R9 270</u>	4306	286	NA	NA
<u>Radeon R9 270 / R7 370</u>	4259	290	19.98	\$213.16*
<u>Radeon R9 270X</u>	4923	259	15.08	\$326.50*
<u>Radeon R9 280</u>	5666	229	NA	NA
<u>Radeon R9 280X</u>	6287	211	NA	NA
<u>Radeon R9 285</u>	6680	-1	NA	NA
<u>Radeon R9 285 / 380</u>	5549	234	11.44	\$485.00*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon R9 290</u>	8401	162	NA	NA
<u>Radeon R9 290 / 390</u>	8150	168	21.45	\$380.00*
<u>Radeon R9 290X</u>	8819	152	NA	NA
<u>Radeon R9 290X / 390X</u>	8389	163	26.22	\$319.99*
<u>Radeon R9 295X2</u>	8619	158	17.27	\$499.10*
<u>Radeon R9 350</u>	2026	529	6.78	\$299.00*
<u>Radeon R9 360</u>	3031	372	22.64	\$133.89*
<u>Radeon R9 370</u>	4722	267	29.51	\$159.99*
<u>Radeon R9 380</u>	6270	213	69.68	\$89.99*
<u>Radeon R9 380X</u>	6198	215	17.71	\$349.99*
<u>Radeon R9 390</u>	9045	147	NA	NA
<u>Radeon R9 390X</u>	9481	134	NA	NA
<u>Radeon R9 A375</u>	1024	-1	NA	NA
<u>Radeon R9 Fury</u>	9555	133	21.56	\$443.10*

<u>Radeon R9 Fury + Fury X</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 127 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon R9 M265X</u>	986	857	NA	NA
<u>Radeon R9 M270X</u>	1204	751	NA	NA
<u>Radeon R9 M275</u>	1114	788	1.59	\$699.99*
<u>Radeon R9 M275X</u>	1962	550	NA	NA
<u>Radeon R9 M275X / M375</u>	1574	644	NA	NA
<u>Radeon R9 M280X</u>	922	906	NA	NA
<u>Radeon R9 M290X</u>	3193	354	NA	NA
<u>Radeon R9 M295X</u>	5150	249	3.55	\$1,449.00*
<u>Radeon R9 M360</u>	1760	604	NA	NA
<u>Radeon R9 M365X</u>	1481	672	NA	NA
<u>Radeon R9 M370X</u>	1382	691	1.55	\$889.00*
<u>Radeon R9 M375</u>	818	984	NA	NA
<u>Radeon R9 M375X</u>	1842	577	NA	NA
<u>Radeon R9 M380</u>	2930	383	NA	NA
<u>Radeon R9 M385</u>	2017	531	NA	NA
<u>Radeon R9 M385X</u>	1929	559	NA	NA
<u>Radeon R9 M390X</u>	3020	375	NA	NA
<u>Radeon R9 M395</u>	4991	255	NA	NA
<u>Radeon R9 M395X</u>	4775	262	NA	NA
<u>Radeon R9 M470</u>	2288	478	NA	NA
<u>Radeon R9 M470X</u>	3400	337	NA	NA
<u>Radeon R9 M485X</u>	3204	353	NA	NA
<u>Radeon RX590 GME</u>	8627	156	NA	NA
<u>Radeon RX 460</u>	4124	296	24.72	\$166.81*
<u>Radeon RX 470/570</u>	8081	170	20.78	\$388.99*
<u>Radeon RX 480</u>	8671	154	25.51	\$339.99*
<u>Radeon RX 540</u>	1794	595	NA	NA
<u>Radeon RX 550</u>	2718	404	15.49	\$175.43
<u>Radeon RX 550X</u>	2303	475	NA	NA
<u>Radeon RX 560</u>	3592	324	15.90	\$225.91
<u>Radeon RX 560X</u>	3181	357	NA	NA
<u>Radeon RX 570X</u>	1923	560	6.87	\$279.99*
<u>Radeon RX 580</u>	8913	149	24.49	\$364.01*
Passmark G3D				

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon RX 580X	7798	178	NA	NA
Radeon RX 590	9657	130	17.56	\$549.99*
Radeon RX 640	1622	628	NA	NA
Radeon RX 5300	7610	184	NA	NA
Radeon RX 5300M	3854	311	NA	NA
Radeon RX 5500	8830	151	NA	NA
Radeon RX 5500 XT	9190	142	49.68	\$184.99*
Radeon RX 5500M	4247	291	NA	NA
Radeon RX 5600	11029	107	NA	NA
Radeon RX 5600 XT	13836	72	25.39	\$545.00*
Radeon RX 5600M	7345	190	NA	NA
Radeon RX 5700	14694	62	16.33	\$899.95*
Radeon RX 5700 XT	16896	38	24.31	\$694.94*
Radeon RX 5700 XT 50th Anniversary	16634	42	NA	NA
Radeon RX 6400	6528	206	40.81	\$159.99
Radeon RX 6500 XT	9391	137	49.43	\$189.99
Radeon RX 6600	13975	68	42.48	\$329.00*
Radeon RX 6600 XT	15856	52	44.05	\$359.99
Radeon RX 6600M	10009	121	33.37	\$299.99
Radeon RX 6650 XT	16152	47	40.38	\$399.99
Radeon RX 6650M	6212	214	NA	NA
Radeon RX 6700 XT	18885	28	43.92	\$429.99
Radeon RX 6700M	12004	93	NA	NA
Radeon RX 6700S	12355	88	NA	NA
Radeon RX 6750 XT	19680	19	33.93	\$579.99
Radeon RX 6800	20694	15	31.36	\$659.99
Radeon RX 6800 XT	23549	8	30.99	\$759.99
Radeon RX 6800M	9270	139	NA	NA
Radeon RX 6800S	13895	70	NA	NA
Radeon RX 6900 XT	25723	5	28.90	\$889.99
Radeon RX 6950 XT	27665	2	25.15	\$1,099.99
Radeon RX Vega11	1717	612	NA	NA
Radeon RX Vega 6	1014	844	NA	NA

Radeon RX Vega 8	Passmark G3D Mark (higher is better)	652 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
Radeon RX Vega 11 PRD	2401	458	NA	NA
Radeon RX Vega 11 Processor	1821	583	NA	NA
Radeon RX Vega 56	13633	75	18.11	\$752.99*

Radeon RX Vega 64	14646	63	18.31	\$799.99*
Radeon RX Vega M GH	6738	201	NA	NA
Radeon RX Vega M GL	3367	342	NA	NA
Radeon Ryzen 3 4300G	1595	639	NA	NA
Radeon Ryzen 3 4300GE	2294	477	NA	NA
Radeon Ryzen 3 4300U	1315	710	NA	NA
Radeon Ryzen 3 5300G	1405	687	NA	NA
Radeon Ryzen 3 5300GE	1418	684	NA	NA
Radeon Ryzen 3 5400U	1202	752	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon Ryzen 3 PRO 4200GE	1712	613	NA	NA
Radeon Ryzen 3 PRO 4350G	2175	503	NA	NA
Radeon Ryzen 3 PRO 4350GE	1463	675	NA	NA
Radeon Ryzen 3 PRO 4450U	1513	663	NA	NA
Radeon Ryzen 3 PRO 5350G	1407	-1	NA	NA
Radeon Ryzen 3 PRO 5350GE	2535	439	NA	NA
Radeon Ryzen 3 PRO 5450U	1143	775	NA	NA
Radeon Ryzen 5 4500U	1801	590	NA	NA
Radeon Ryzen 5 4600G	2152	507	NA	NA
Radeon Ryzen 5 4600GE	1411	-1	NA	NA
Radeon Ryzen 5 4600H	2684	411	NA	NA
Radeon Ryzen 5 4600HS	7942	-1	NA	NA
Radeon Ryzen 5 4600U	1768	601	NA	NA
Radeon Ryzen 5 5560U	2083	517	NA	NA
Radeon Ryzen 5 5600G	2546	434	NA	NA
Radeon Ryzen 5 5600H	2559	431	NA	NA
Radeon Ryzen 5 5600U	2041	523	NA	NA
Radeon Ryzen 5 Microsoft Surface Edition	2102	515	NA	NA
Radeon Ryzen 5 PRO 4650G	2394	460	NA	NA

<u>Radeon Ryzen 5 PRO 4650GE</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 532 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon Ryzen 5 PRO 5650G</u>	2250	488	NA	NA
<u>Radeon Ryzen 5 PRO 5650GE</u>	2341	468	NA	NA
<u>Radeon Ryzen 5 PRO 5650U</u>	2112	513	NA	NA
<u>Radeon Ryzen 7 4700G</u>	2546	433	NA	NA
<u>Radeon Ryzen 7 4700GE</u>	2579	429	NA	NA
<u>Radeon Ryzen 7 4700U</u>	2028	527	NA	NA
<u>Radeon Ryzen 7 4800H</u>	5016	254	NA	NA
<u>Radeon Ryzen 7 4800HS</u>	8841	150	NA	NA
<u>Radeon Ryzen 7 4800U</u>	2265	486	NA	NA
<u>Radeon Ryzen 7 4850U Mobile</u>	2137	-1	NA	NA
<u>Radeon Ryzen 7 5700G</u>	2801	395	NA	NA
<u>Radeon Ryzen 7 5700GE</u>	2964	380	NA	NA
<u>Radeon Ryzen 7 5800H</u>	2699	408	NA	NA
<u>Radeon Ryzen 7 5800U</u>	2347	465	NA	NA
<u>Radeon Ryzen 7 Microsoft Surface Edition</u>	2285	481	NA	NA
<u>Radeon Ryzen 7 PRO 4750G</u>	2603	425	NA	NA
<u>Radeon Ryzen 7 PRO 4750GE</u>	2192	498	NA	NA
<u>Radeon Ryzen 7 PRO 4750U</u>	2028	528	NA	NA
<u>Radeon Ryzen 7 PRO 5750G</u>	2375	463	NA	NA
<u>Radeon Ryzen 7 PRO 5750GE</u>	2642	419	NA	NA
<u>Radeon Ryzen 7 PRO 5850U</u>	2235	491	NA	NA
<u>Radeon Ryzen 9 4900H</u>	2637	420	NA	NA
<u>Radeon Ryzen 9 4900HS</u>	8572	159	NA	NA
<u>Radeon Ryzen 9 4900HSS</u>	9460	-1	NA	NA
<u>Radeon Ryzen 9 5900H</u>	2754	-1	NA	NA
<u>Radeon Ryzen 9 5900HS</u>	8428	161	NA	NA
<u>Radeon Ryzen 9 5900HX</u>	2972	378	NA	NA
<u>Radeon Ryzen Embedded V2516</u>	1163	767	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon Ryzen Embedded V2718</u>	2134	509	NA	NA
<u>Radeon Ryzen Embedded V2748</u>	1296	-1	NA	NA
<u>Radeon Sky 500</u>	4736	265	NA	NA
<u>Radeon TM R9 A360</u>	2105	514	NA	NA

Radeon VE Videocard Name	Passmark G3D Mark (higher is	Rank 2251 (lower is	Videocard Value (higher is	Price (USD)
Radeon Vega 3	887	927	0.33	\$2,677.99*
Radeon Vega 3 Mobile	1009	845	NA	NA
Radeon Vega 6	1299	720	0.72	\$1,799.99*
Radeon Vega 8	1590	642	12.54	\$126.86*
Radeon Vega 8 Mobile	1438	677	NA	NA
Radeon Vega 9	1591	641	NA	NA
Radeon Vega 10	1550	653	NA	NA
Radeon Vega 10 Mobile	1465	674	NA	NA
Radeon Vega 11	1846	575	NA	NA
Radeon Vega Frontier Edition	13786	73	8.21	\$1,679.99*
Radeon VII	16789	41	8.84	\$1,899.95*
RADEON X300SE	38	1991	NA	NA
RADEON X550	50	1938	NA	NA
RADEON X550XT	56	1926	NA	NA
Radeon X550XTX	70	1875	NA	NA
RADEON X600 256MB HyperMemory	56	1925	NA	NA
RADEON X600XT	91	1812	NA	NA
RADEON X700	72	1868	NA	NA
RADEON X700 PRO	75	1854	NA	NA
RADEON X700 SE	71	1873	NA	NA
RADEON X800 GT	84	1832	NA	NA
RADEON X800 GTO	114	1733	NA	NA
RADEON X800 PRO	64	1899	NA	NA
RADEON X800 PRO/GTO	73	1865	NA	NA
RADEON X800 SE	129	1687	NA	NA
RADEON X800 XL	69	1881	NA	NA
RADEON X800 XT	97	1792	NA	NA
RADEON X800 XT Platinum Edition	81	1846	NA	NA
RADEON X800GT	79	1851	NA	NA
RADEON X850 PRO	72	1867	NA	NA
RADEON X850 XT	81	1848	NA	NA
RADEON X850 XT Platinum Edition	81	1839	NA	NA
Radeon X1050	49	1945	NA	NA

Radeon X1200	Passmark G3D Mark (higher is better)	2025 Rank (lower is better)	Videocard Value (higher is better)	NA Price (USD)
Radeon X1300	58	1918	0.61	\$95.78*
Radeon X1300 PRO	84	1829	NA	NA
Radeon X1550	66	1894	0.43	\$155.00*

Radeon X1550 64-bit	47	1951	NA	NA
Radeon X1600	49	1942	NA	NA
Radeon X1600 Pro	98	1784	NA	NA
Radeon X1600 Pro / X1300XT	69	1882	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon X1600 XT	115	1730	NA	NA
Radeon X1650 GTO	74	1857	NA	NA
Radeon X1650 Pro	84	1826	0.53	\$160.89*
Radeon X1650 SE	71	1874	NA	NA
Radeon X1700 Targa Edition	116	1727	NA	NA
Radeon X1800 GTO	140	1660	NA	NA
Radeon X1900 CrossFire Edition	137	1671	NA	NA
Radeon X1900 GT	145	1653	NA	NA
Radeon X1950 CrossFire Edition	151	1640	NA	NA
Radeon X1950 GT	106	1764	NA	NA
Radeon X1950 Pro	112	1740	NA	NA
RADEON XPRESS 200	29	2038	NA	NA
RADEON XPRESS 200 CROSSFIRE	18	2081	NA	NA
RADEON XPRESS 200M	22	2070	NA	NA
Radeon Xpress 1100	34	2014	NA	NA
Radeon Xpress 1150	29	2036	NA	NA
Radeon Xpress 1200	35	2003	NA	NA
Radeon Xpress 1250	42	1969	NA	NA
Radeon Xpress 1270	26	2047	NA	NA
Radeon Xpress 1300	52	1930	NA	NA
Radeon Xpress 1300M	40	1977	NA	NA
Radeon. HD 7730M	928	901	NA	NA
RadeonT	132	-1	NA	NA
RadeonT 540X	1804	589	NA	NA

<u>RadeonT R5 430</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 841 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>RadeonT RX 560X</u>	1809	587	NA	NA
<u>RadeonT RX 640</u>	1572	646	NA	NA
<u>RadeonT RX 5300</u>	7321	191	NA	NA
<u>RadeonT RX 5500M</u>	3165	358	NA	NA
<u>RadeonT RX 6850M</u>	15899	51	NA	NA
<u>RadeonT Vega 3</u>	774	-1	NA	NA
<u>Rage 128 Pro</u>	1	2260	NA	NA
<u>RAGE 128 PRO AGP 4X TMDS</u>	1	2262	NA	NA
<u>Rage Fury Pro/Xpert 2000 Pro</u>	3	2222	NA	NA
<u>Red Hat QXL controller</u>	31	2029	NA	NA
<u>RGH Drivers v3</u>	11	2101	NA	NA
<u>RIVA TNT2 Model 64/Model 64 Pro</u>	3	2199	NA	NA
<u>RIVA TNT2/TNT2 Pro</u>	3	2211	NA	NA
<u>RTX A1000 Laptop GPU</u>	9568	132	NA	NA
<u>RTX A2000</u>	13137	80	15.53	\$845.99*
<u>RTX A2000 8GB Laptop GPU</u>	9830	123	NA	NA
<u>RTX A2000 12GB</u>	14343	66	NA	NA
<u>RTX A2000 Laptop GPU</u>	10130	116	NA	NA
<u>RTX A3000 12GB Laptop GPU</u>	9975	122	NA	NA
<u>RTX A3000 Laptop GPU</u>	13283	78	NA	NA
<u>RTX A4000</u>	18912	27	15.33	\$1,233.98*
<u>RTX A4000 Laptop GPU</u>	16062	50	NA	NA
<u>RTX A4500</u>	21388	14	12.20	\$1,752.60*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>RTX A5000</u>	23512	10	8.94	\$2,631.20*
<u>RTX A5000 Laptop GPU</u>	16113	48	NA	NA
<u>RTX A5500</u>	23977	7	NA	NA
<u>RTX A6000</u>	21964	12	4.39	\$4,999.99
<u>RV530 PRO</u>	118	1720	NA	NA
<u>Ryzen 3 4300G with Radeon Graphics</u>	1902	564	NA	NA
<u>Ryzen 3 4300GE with Radeon Graphics</u>	2402	-1	NA	NA
<u>Ryzen 3 4300U with Radeon Graphics</u>	1348	700	NA	NA
<u>Ryzen 3 5300G with Radeon Graphics</u>	2223	492	NA	NA

<u>Ryzen 3 5300GE with Radeon Graphics</u> Videocard Name	Passmark G3D Mark (higher is better)	Rank 462 (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Ryzen 3 5400U with Radeon Graphics</u>	1734	609	NA	NA
<u>Ryzen 3 PRO 4200G with Radeon Graphics</u>	1798	-1	NA	NA
<u>Ryzen 3 PRO 4200GE with Radeon Graphics</u>	1783	598	NA	NA
<u>Ryzen 3 PRO 4300U with Radeon Graphics</u>	1542	655	NA	NA
<u>Ryzen 3 Pro 4350G with Radeon Graphics</u>	2190	499	NA	NA
<u>Ryzen 3 PRO 4350GE with Radeon Graphics</u>	2180	502	NA	NA
<u>Ryzen 3 PRO 4450U with Radeon Graphics</u>	1538	658	NA	NA
<u>Ryzen 3 PRO 5350G with Radeon Graphics</u>	2341	467	NA	NA
<u>Ryzen 3 PRO 5350GE with Radeon Graphics</u>	2340	469	NA	NA
<u>Ryzen 3 PRO 5450U with Radeon Graphics</u>	1555	649	NA	NA
<u>Ryzen 5 2500U with Radeon Vega</u>	1503	666	NA	NA
<u>Ryzen 5 4500U with Radeon Graphics</u>	1812	585	NA	NA
<u>Ryzen 5 4600G with Radeon Graphics</u>	2061	520	NA	NA
<u>Ryzen 5 4600H with Radeon Graphics</u>	1938	557	NA	NA
<u>Ryzen 5 4600U with Radeon Graphics</u>	1951	555	NA	NA
<u>Ryzen 5 5500U with Radeon Graphics</u>	2000	539	NA	NA
<u>Ryzen 5 5600G with Radeon Graphics</u>	2678	414	NA	NA
<u>Ryzen 5 5600GE with Radeon Graphics</u>	2601	426	NA	NA
<u>Ryzen 5 5600H with Radeon Graphics</u>	2386	461	NA	NA
<u>Ryzen 5 5600U with Radeon Graphics</u>	2147	508	NA	NA
<u>Ryzen 5 PRO 4400G with Radeon Graphics</u>	2305	474	NA	NA
<u>Ryzen 5 PRO 4400GE with Radeon Graphics</u>	1441	676	NA	NA
<u>Ryzen 5 PRO 4500U with Radeon Graphics</u>	2007	534	NA	NA
<u>Ryzen 5 Pro 4650G with Radeon Graphics</u>	2395	459	NA	NA
<u>Ryzen 5 PRO 4650GE with Radeon Graphics</u>	1976	545	NA	NA
<u>Ryzen 5 PRO 4650U with Radeon Graphics</u>	1698	617	NA	NA
<u>Ryzen 5 PRO 5650G with Radeon Graphics</u>	2522	444	NA	NA

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Ryzen 5 PRO 5650GE with Radeon Graphics</u>	2470	449	NA	NA
<u>Ryzen 7 2700U with Radeon Vega Graphics</u>	1617	631	NA	NA
<u>Ryzen 7 4700G with Radeon Graphics</u>	2186	500	NA	NA
<u>Ryzen 7 4700GE with Radeon Graphics</u>	2496	446	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
<u>Ryzen 7 4800HS with Radeon Graphics</u>	6999	-1	NA	NA
<u>Ryzen 7 4800U with Radeon Graphics</u>	2343	466	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
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Ryzen 7 5700U with Radeon Graphics</u>	2285	480	NA	NA
<u>Ryzen 7 5800H with Radeon Graphics</u>	2798	396	NA	NA
<u>Ryzen 7 5800HS with Radeon Graphics</u>	7391	-1	NA	NA
<u>Ryzen 7 5800U with Radeon Graphics</u>	2434	455	NA	NA
<u>Ryzen 7 Extreme Edition</u>	2157	506	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	412	NA	NA
<u>Ryzen 7 PRO 4750GE with Radeon Graphics</u>	2549	432	NA	NA
<u>Ryzen 7 PRO 4750U with Radeon Graphics</u>	2029	526	NA	NA
<u>Ryzen 7 PRO 5750G with Radeon Graphics</u>	2590	428	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
<u>Ryzen 9 5900HS with Radeon Graphics</u>	4823	261	NA	NA
<u>Ryzen 9 5900HX with Radeon Graphics</u>	2845	388	NA	NA
<u>Ryzen 9 5980HS with Radeon Graphics</u>	2533	-1	NA	NA
<u>S3 5400EW</u>	146	1651	NA	NA
<u>S3 Chrome 430 ULP</u>	39	1982	NA	NA
<u>S3 Chrome S25 DDR2</u>	18	2078	NA	NA

<u>S3 Chrome S27 DDR3</u>	Passmark G3D 33 Mark	Rank (lower is better)	Videocard NA Value	NA Price
Videocard Name	(higher is better)		(higher is better)	(USD)
<u>S3 P10SavageDDR3</u>	1	2239	NA	NA
<u>S3 SuperSavage/IXC 1014</u>	1	2253	NA	NA
<u>SAPPHIRE RADEON 9000 ATLANTIS PRO</u>	5	2156	NA	NA
<u>SAPPHIRE RADEON 9600 ATLANTIS</u>	47	1953	NA	NA


<u>Sapphire RADEON X800 GT</u>	112	1743	NA	NA
<u>SAPPHIRE Radeon X1550</u>	61	1909	NA	NA
<u>Seria Mobility Radeon HD 3400</u>	124	1699	NA	NA
<u>Seria Radeon HD 7700</u>	1603	636	NA	NA
<u>SUMO 964A</u>	497	1300	NA	NA
<u>SUMO 9640</u>	650	1129	NA	NA
<u>SUMO 9644</u>	465	1336	NA	NA
<u>T400</u>	3662	321	23.33	\$156.99*
<u>T400 4GB</u>	3574	325	NA	NA
<u>T500</u>	3617	323	NA	NA
<u>T550 Laptop GPU</u>	5027	253	NA	NA
<u>T600</u>	6547	205	27.05	\$242.05
<u>T600 Laptop GPU</u>	6880	198	NA	NA
<u>T1000</u>	7748	182	21.42	\$361.80
<u>T1000 8GB</u>	7835	176	NA	NA
<u>T1200 Laptop GPU</u>	7904	174	NA	NA
<u>TENSOR 1.0 Driver Intel HD 630</u>	1299	719	NA	NA
<u>Tesla C2050</u>	3515	330	13.02	\$269.99*
<u>Tesla C2050 / C2070</u>	3428	335	NA	NA
<u>Tesla C2070</u>	3101	366	5.13	\$604.00*
<u>Tesla C2075</u>	3118	364	4.83	\$646.00*
<u>Tesla K20m</u>	3895	305	NA	NA
<u>Tesla K20Xm</u>	5428	-1	NA	NA
<u>Tesla K40c</u>	3756	-1	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Tesla K40m</u>	704	-1	NA	NA
<u>Tesla K80</u>	7024	-1	11.83	\$593.95*
<u>Tesla M6</u>	7509	187	37.73	\$199.00*
<u>Tesla M10</u>	3490	332	1.30	\$2,695.00*

<u>Tesla M40</u> Videocard Name	Passmark G3D Mark (higher is	Rank 118 (lower is	Videocard Value (higher is	\$889.00* (USD)
<u>Tesla M60</u>	7770	180	<u>9.86</u>	<u>\$787.90*</u>
<u>Tesla M2070-Q</u>	1305	716	NA	NA
<u>Tesla P40</u>	16864	39	NA	NA
<u>Tesla P100-PCIE-16GB</u>	7225	194	NA	NA
<u>Tesla T4</u>	10981	108	<u>2.39</u>	<u>\$4,587.12</u>
<u>Tesla T10</u>	13263	-1	NA	NA
<u>TITAN RTX</u>	20163	17	<u>7.21</u>	<u>\$2,794.99*</u>
<u>TITAN V</u>	19424	22	<u>9.71</u>	<u>\$1,999.99*</u>
<u>TITAN V CEO Edition</u>	16987	37	NA	NA
<u>TITAN Xp</u>	19290	23	NA	NA
<u>TITAN Xp COLLECTORS EDITION</u>	18711	31	NA	NA
<u>TRINITY DEVASTATOR MOBILE</u>	699	1082	NA	NA
<u>TRINITY SCRAPPER MOBILE</u>	498	1299	NA	NA
<u>V9560XT V62.11</u>	6	2132	NA	NA
<u>Vanta/Vanta LT</u>	3	2224	NA	NA
<u>VIA Chrome9 HC3 IGP</u>	2	2236	NA	NA
<u>VIA Chrome9 HC IGP</u>	4	2185	NA	NA
<u>VIA Chrome9 HC IGP Family</u>	3	2197	NA	NA
<u>VIA Chrome9 HC IGP Family WDDM</u>	3	2209	NA	NA
<u>VIA Chrome9 HC IGP Prerelease WDDM 1.1</u>	2	2248	NA	NA
<u>VIA Chrome9 HC IGP WDDM</u>	2	2231	NA	NA
<u>VIA Chrome9 HC IGP WDDM 1.1</u>	2	2232	NA	NA
<u>VIA Chrome9 HCM IGP</u>	1	2255	NA	NA
<u>VIA Chrome9 HD IGP</u>	9	2107	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	2215	NA	NA
<u>VIA/S3G KM400/KN400</u>	4	2191	NA	NA
<u>VIA/S3G UniChrome IGP</u>	4	2186	NA	NA
<u>VIA/S3G UniChrome Pro IGP</u>	4	2170	NA	NA
<u>VIA/S3G UniChromell</u>	5	2140	NA	NA
<u>VisionTek Radeon 7000</u>	1	2254	NA	NA
<u>WinFast A250 LE</u>	4	2165	NA	NA

<u>WinFast GT 610</u> Videocard Name	Passmark G3D Mark (higher is	Rank 1569 (lower is	Videocard Value (higher is	Price (USD)
<u>XFX Radeon HD 4650 AGP</u>	109	1755	NA	NA
<u>XGI Volari Family v1.13.23.D_V</u>	4	2176	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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MemTest86	USB Power Delivery Tester	RAM Benchmarks			Social
WirelessMon	Serial and Parallel Loopback Plugs	PC Systems Benchmarks			
Zoom Search Engine	USB Short Circuit Testers	Android Benchmarks			
Free Software		iOS / iPhone Benchmarks			
		Software Marketshare			
		Internet Bandwidth			