


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

Single Video Card

Find Videocard


	Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
	GeForce RTX 4090	38615	1	24.13	\$1,599.99
	GeForce RTX 4090 D	37631	2	NA	NA
	GeForce RTX 4080	34613	3	38.46	\$899.99
	GeForce RTX 4080 SUPER	34082	4	34.08	\$999.99
	GeForce RTX 4070 Ti	31767	5	42.36	\$749.99
	GeForce RTX 4070 Ti SUPER	31703	6	40.13	\$789.99
	Radeon RX 7900 XTX	30907	7	31.54	\$979.99
	GeForce RTX 4070 SUPER	29975	8	50.98	\$587.99
	GeForce RTX 3090 Ti	29742	9	14.26	\$2,086.04
	Radeon PRO W7900	29191	10	NA	NA
	Radeon PRO W7800	29070	11	NA	NA
	Radeon RX 7900 XT	28849	12	41.21	\$699.99
	RTX 6000 Ada Generation	28527	13	NA	NA
	Radeon RX 6950 XT	28299	14	28.30	\$999.99

 **High End**

High Mid Range


Low Mid Range


Low End

 **Best Value**


Common

Market Share

 **Compare** 0

 **Video Card Mega List**

[Search Model](#)

 **GPU Compute Video Card Chart**

Power Performance Video Card Chart

2D Graphics Video Card List

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	GeForce RTX 3080 Ti				27174	17	26.47	\$1,026.44
	GeForce RTX 4070				26978	18	49.50	\$544.99
	Radeon RX 6900 XT				26837	19	27.01	\$993.50
	GeForce RTX 3090				26792	20	26.19	\$1,023.04
	GeForce RTX 3080 12GB				26675	21	NA	NA
	Radeon RX 7900 GRE				26533	22	44.97	\$589.99
	GeForce RTX 4080 Laptop GPU				25494	23	NA	NA
	GeForce RTX 3080				25284	24	25.31	\$999.00
	RTX 4000 Ada Generation				25219	25	NA	NA
	Radeon RX 6800 XT				25039	26	29.99	\$834.99
	RTX 5000 Ada Generation				24507	27	NA	NA
	Radeon RX 7800 XT				24094	28	50.20	\$479.99
	RTX 5000 Ada Generation Laptop GPU				24072	29	NA	NA
	GeForce RTX 3070 Ti				23644	30	47.29	\$499.99
	RTX 4000 Ada Generation Laptop GPU				23090	31	NA	NA
	GeForce RTX 4060 Ti				22939	32	62.00	\$369.99
	GeForce RTX 4060 Ti 16GB				22904	33	50.90	\$449.99
	RTX A5000				22791	34	10.22	\$2,229.99*
	GeForce RTX 3070				22388	35	53.31	\$419.99
	Radeon RX 6800				22278	36	60.22	\$369.99
	Radeon RX 7900M				22261	37	NA	NA
	Radeon RX 7700 XT				22257	38	55.65	\$399.99
	RTX A6000				22072	39	5.37	\$4,109.99*
	NVIDIA A10				22064	40	NA	NA
	GRID RTX6000-6Q				21986	41	NA	NA
	RTX 4000 SFF Ada Generation				21935	42	NA	NA
	RTX A4500				21782	43	20.17	\$1,079.99*
	GeForce RTX 2080 Ti				21778	44	16.75	\$1,299.99
	Radeon 610M Ryzen 9 7845HX				21622	45	NA	NA
	RTX A5500				21494	46	9.91	\$2,169.99*
	Radeon RX 6750 XT				20764	47	48.86	\$424.99
	Radeon RX 6750 GRE 10GB				20643	48	NA	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
TITAN RTX	19917	51	7.97	\$2,499.00*
GeForce RTX 3080 Ti Laptop GPU	19888	52	NA	NA
Radeon RX 6700 XT	19886	53	25.26	\$787.16*
Quadro GV100	19824	54	2.20	\$8,999.00*
Radeon PRO W6800	19821	55	10.71	\$1,849.99*
TITAN V	19742	56	9.87	\$1,999.99*
Radeon RX 6750 GRE 12GB	19731	57	NA	NA
L40-8Q	19704	58	NA	NA
RTX 3500 Ada Generation Laptop GPU	19693	59	NA	NA
GeForce RTX 4070 Laptop GPU	19636	60	NA	NA
GeForce RTX 2080 SUPER	19585	61	28.60	\$684.86*
GeForce RTX 4060	19566	62	67.01	\$291.99
Quadro RTX 8000	19480	63	4.11	\$4,741.49*
RTX A4000	19400	64	25.87	\$749.99*
TITAN Xp COLLECTORS EDITION	19070	65	NA	NA
Radeon RX 6700	18969	66	NA	NA
GeForce RTX 2080	18795	67	23.48	\$800.61*
Quadro RTX 6000	18779	68	2.98	\$6,300.00*
GeForce GTX 1080 Ti	18562	69	38.37	\$483.82*
NVIDIA TITAN Xp	18512	70	11.25	\$1,645.00*
NVIDIA A10G	18487	71	NA	NA
GeForce RTX 2070 SUPER	18248	72	33.18	\$549.99*
GeForce RTX 3070 Ti Laptop GPU	18086	73	NA	NA
Radeon PRO W7600	18057	74	NA	NA
RTX 2000 Ada Generation	17901	75	NA	NA
GeForce RTX 4060 Laptop GPU	17708	76	NA	NA
RTX A4500 Laptop GPU	17631	77	NA	NA
RTX A5500 Laptop GPU	17484	78	NA	NA
Radeon RX 7600 XT	17404	79	53.55	\$324.99
Radeon RX 6650 XT	17284	80	40.56	\$426.18

CPU Benchmarks Video Card Benchmarks Hard Drive Benchmarks Memory Benchmarks PC Benchmarks Software Marketshare Database Benchmarks Android Benchmarks iOS Benchmarks

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
TITAN V CEO Edition	16987	83	NA	NA
Radeon VII	16690	84	8.78	\$1,899.95*
Radeon RX 5700 XT	16629	85	38.07	\$436.85*
Radeon RX 5700 XT 50th Anniversary	16602	86	NA	NA
GeForce RTX 2060 SUPER	16558	87	39.81	\$415.98*
Radeon RX 6600 XT	16489	88	39.26	\$419.99
GeForce RTX 3080 Laptop GPU	16468	89	NA	NA
Quadro GP100	16374	90	NA	NA
Radeon RX 7600	16326	91	64.03	\$254.99
GeForce RTX 2070	16167	92	41.51	\$389.46*
RTX 3000 Ada Generation Laptop GPU	16090	93	NA	NA
RTX A5000 Laptop GPU	16041	94	NA	NA
Quadro RTX 5000	15978	95	NA	NA
Radeon RX 7700S	15900	96	NA	NA
GeForce RTX 2060 12GB	15890	97	NA	NA
Radeon PRO W6600	15824	98	NA	NA
Radeon Pro Vega II	15596	99	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 1080	15538	100	35.09	\$442.79*
GeForce RTX 3070 Laptop GPU	15493	101	NA	NA
Radeon RX 6800S	15445	102	NA	NA
RTX A4000 Laptop GPU	15426	103	NA	NA
RTX 2000 Ada Generation Laptop GPU	15417	104	NA	NA
Quadro RTX 4000	15395	105	17.13	\$899.00*
GeForce RTX 3060 8GB	15392	106	NA	NA
Radeon Pro W5700	15196	107	23.38	\$649.99*
Radeon RX 6600	15133	108	75.67	\$199.99
Quadro P6000	15132	109	4.66	\$3,250.00*
GeForce RTX 2080 (Mobile)	15107	110	NA	NA
Radeon RX 6650M	14934	111	NA	NA
Radeon RX 6700S	14922	112	49.74	\$299.99

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CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	NVIDIA A40				14664	115	NA	NA
	RTX A3000 12GB Laptop GPU				14479	116	NA	NA
	Radeon RX 5700				14476	117	46.70	\$309.99*
	GeForce RTX 4050 Laptop GPU				14408	118	NA	NA
	Radeon RX Vega 64				14355	119	19.14	\$749.99*
	Radeon RX 7600S				14171	120	NA	NA
	GeForce RTX 2060				14150	121	32.96	\$429.32
	RTX 1000 Ada Generation Laptop GPU				13870	122	NA	NA
	RadeonT RX 6850M XT				13847	123	NA	NA
	Radeon Pro WX 8200				13835	124	8.65	\$1,599.39*
	GeForce GTX 980 Ti				13813	125	17.74	\$778.69*
	GeForce RTX 2080 Super with Max-Q Design				13801	126	NA	NA
	GeForce RTX 2070 Super with Max-Q Design				13778	127	NA	NA
	RTX A2000				13751	128	18.92	\$726.99*
	Radeon PRO W7500				13722	129	NA	NA
	RTX A2000 12GB				13709	130	NA	NA
	Radeon Pro Vega 64X				13708	131	NA	NA
	Radeon RX 6600M				13684	132	68.43	\$199.99*
	Radeon RX 6600S				13678	133	NA	NA
	Radeon RX 5600 XT				13666	134	25.08	\$545.00*
	NVIDIA TITAN X				13659	135	22.46	\$608.10*
	Quadro RTX 5000 with Max-Q Design				13643	136	NA	NA
	GeForce GTX 1070				13511	137	25.49	\$529.99*
	Radeon RX 6700M				13464	138	49.87	\$269.99*
	GeForce RTX 3060 Laptop GPU				13369	139	43.13	\$309.99*
	Radeon Vega Frontier Edition				13326	140	7.93	\$1,679.99*
	Radeon RX 6800M				13287	141	NA	NA
	Radeon RX Vega 56				13258	142	17.61	\$752.99*
	GeForce RTX 2080 with Max-Q Design				13139	143	6.26	\$2,099.99*
	Intel Arc A770				13119	144	46.86	\$279.99
	Radeon PRO W6600X				13113	145	NA	NA
	GeForce GTX TITAN X				13009	146	11.86	\$1,096.99*

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce RTX 3050 8GB	12867	149	73.53	\$174.99
GeForce GTX 1660 SUPER	12771	150	58.37	\$218.80
Radeon Pro VII	12728	151	NA	NA
Tesla T10	12650	152	NA	NA
Quadro RTX 4000 with Max-Q Design	12627	153	NA	NA
Radeon Pro 5700 XT	12613	154	NA	NA
RTX A3000 Laptop GPU	12558	155	NA	NA
Tesla P40	12498	156	NA	NA
Quadro RTX 4000 (Mobile)	12482	157	NA	NA
Radeon Pro WX 9100	12464	158	NA	NA
Quadro P5000	12455	159	6.66	\$1,868.99*
Quadro P5200 with Max-Q Design	12355	160	NA	NA
GeForce RTX 2070 (Mobile)	12354	161	NA	NA
Radeon Pro Vega 56	12353	162	NA	NA
Tesla V100-PCIE-16GB	12328	163	NA	NA
Quadro P5200	12304	164	NA	NA
Radeon RX 6850M	12274	165	NA	NA
Radeon Pro V520 MxGPU	12257	166	NA	NA
GeForce RTX 3050 OEM	12016	167	NA	NA
Radeon RX 5600 OEM	12004	168	NA	NA
Intel Arc A750	11949	169	59.75	\$199.99
Quadro M6000 24GB	11890	170	NA	NA
Radeon Pro 5700	11844	171	NA	NA
Quadro M6000	11815	172	2.45	\$4,827.53*
GeForce RTX 2070 with Max-Q Design	11713	173	NA	NA
GeForce GTX 1660	11688	174	40.15	\$291.12
Quadro P4000	11655	175	20.96	\$556.19*
Radeon RX 5600	11587	176	NA	NA
Intel Arc A580	11584	177	64.36	\$179.99
GeForce GTX 1080 with Max-Q Design	11583	178	NA	NA

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CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
Quadro P4200 with Max-Q Design					11446	181	NA	NA
RTX A1000 Embedded GPU					11368	182	NA	NA
GeForce RTX 2060 (Mobile)					11354	183	NA	NA
Radeon Pro Vega 48					11299	184	NA	NA
Quadro RTX 3000					11153	185	NA	NA
GeForce GTX 980					11123	186	44.97	\$247.35*
RTX 500 Ada Generation Laptop GPU					11022	187	NA	NA
Radeon Pro SSG					10971	188	4.55	\$2,410.15*
RTX A2000 8GB Laptop GPU					10945	189	NA	NA
RTX A4500 Embedded GPU					10916	190	NA	NA
Tesla T4					10832	191	2.45	\$4,420.46*
GeForce RTX 3050 6GB					10767	192	NA	NA
Quadro P4200					10685	193	NA	NA
Intel Arc A730M					10487	194	NA	NA
GeForce GTX 1070 (Mobile)					10465	195	NA	NA
GeForce RTX 3050 6GB Laptop GPU					10430	196	NA	NA
Tesla M40 24GB					10417	197	NA	NA
Videocard Name					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Tesla M40					10376	198	17.29	\$600.00*
GeForce GTX 1660 Ti (Mobile)					10187	199	NA	NA
RTX A1000 6GB Laptop GPU					10177	200	NA	NA
GeForce RTX 3050 Ti Laptop GPU					10159	201	NA	NA
GeForce GTX 1650 SUPER					10156	202	39.75	\$255.49*
GeForce GTX 1060					10072	203	35.98	\$279.99*
Radeon R9 Fury X					10010	204	NA	NA
RTX A2000 Laptop GPU					9967	205	NA	NA
GeForce GTX 1070 with Max-Q Design					9893	206	NA	NA
GRID P40-2B					9842	207	NA	NA
GeForce GTX 1060 3GB					9758	208	41.44	\$235.47*
GeForce RTX 2060 with Max-Q Design					9746	209	NA	NA
Radeon R9 Fury + Fury X					9741	210	21.65	\$449.99*

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Radeon RX 6500 XT				9539	213	50.21	\$189.99
	GeForce GTX 780 Ti				9521	214	28.00	\$339.99*
	RTX A1000 Laptop GPU				9484	215	NA	NA
	GeForce RTX 3050 Laptop GPU				9452	216	35.01	\$269.99*
	Radeon R9 390X				9439	217	NA	NA
	Radeon RX 590				9413	218	17.12	\$549.99*
	Quadro M5000				9412	219	18.86	\$499.00*
	Radeon RX 6550M				9370	220	NA	NA
	Quadro P2200				9332	221	20.30	\$459.80*
	Quadro P3200 with Max-Q Design				9316	222	NA	NA
	Radeon Pro 5600M				9313	223	NA	NA
	Radeon RX 5500 XT				9155	224	50.50	\$181.29*
	Radeon Pro W5500				9119	225	22.24	\$409.99*
	Quadro P4000 with Max-Q Design				9082	226	NA	NA
	GeForce GTX 1060 5GB				9058	227	18.56	\$487.99*
	GeForce GTX TITAN Z				8986	228	5.93	\$1,515.00*
	GeForce GTX TITAN Black				8939	229	17.03	\$524.99*
	Radeon R9 390				8914	230	NA	NA
	Quadro P3200				8907	231	22.88	\$389.30*
	Radeon RX 580				8874	232	49.30	\$179.99*
	Radeon RX 5500				8835	233	NA	NA
	Tesla P4				8767	234	NA	NA
	GRID P40-24Q				8719	235	NA	NA
	Radeon RX 5600M				8717	236	NA	NA
	Radeon R9 290X				8637	237	NA	NA
	Radeon RX 480				8624	238	25.37	\$339.99*
	Radeon R9 295X2				8617	239	17.27	\$499.10*
	GeForce GTX 1660 Ti with Max-Q Design				8606	240	NA	NA
	Radeon RX590 GME				8576	241	NA	NA
	GRID RTX6000-1B				8473	242	NA	NA
	Radeon R9 290X / 390X				8389	243	26.22	\$319.99*
	Ryzen 5 4600HS with Radeon Graphics				8370	244	NA	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R9 290	8308	247	NA	NA
GeForce GTX Titan	8189	248	10.99	\$745.00*
Radeon Pro Duo	8164	249	2.06	\$3,970.36*
GeForce GTX 1060 (Mobile)	8160	250	NA	NA
Radeon R9 290 / 390	8150	251	21.45	\$380.00*
CMP 30HX	8135	252	NA	NA
Quadro K6000	8052	253	38.23	\$210.66*
Radeon PRO W6400	8047	254	NA	NA
Radeon RX 470/570	8015	255	20.61	\$388.99*
GeForce GTX 780	8007	256	28.60	\$279.99*
Ryzen 9 6900HS	8005	257	NA	NA
FirePro W9100	7986	258	4.62	\$1,729.99*
Quadro M5500	7915	259	NA	NA
Radeon Pro WX 7100	7898	260	7.54	\$1,047.99*
GeForce GTX 1060 with Max-Q Design	7897	261	NA	NA
GeForce GTX 1650	7879	262	53.45	\$147.41
T1200 Laptop GPU	7870	263	NA	NA
Radeon RX 6500M	7859	264	NA	NA
Radeon RX 580X	7798	265	NA	NA
Radeon Pro 580	7753	266	NA	NA
Radeon RX 580 2048SP	7698	267	NA	NA
GeForce RTX 2050	7678	268	NA	NA
T1000	7656	269	23.05	\$332.15
Radeon RX 5300	7641	270	NA	NA
Radeon RX 6500	7620	271	NA	NA
T1000 8GB	7608	272	NA	NA
GeForce GTX 1650 Ti	7569	273	NA	NA
Tesla M60	7551	274	9.58	\$787.90*
Radeon RX 6400	7550	275	48.72	\$154.99
Radeon Pro 580X	7540	276	NA	NA

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CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Radeon Ryzen 9 6900HS	7384	279	NA	NA			
	Radeon Pro W5500X	7350	280	NA	NA			
	GeForce GTX 980M	7347	281	25.34	\$289.99*			
	FirePro W8100	7279	282	10.34	\$704.00*			
	Tesla P100-PCIE-16GB	7225	283	1.27	\$5,699.00*			
	Quadro T2000	7177	284	13.58	\$528.35*			
	AMD Ryzen Z1 Extreme	7159	285	NA	NA			
	Radeon Pro 5300	7143	286	NA	NA			
	Radeon 780M	7089	287	NA	NA			
	RadeonT 780M	7082	288	NA	NA			
	T600 Laptop GPU	7053	289	NA	NA			
	A10-8Q	7041	290	NA	NA			
	GeForce GTX 1650 (Mobile)	6968	291	NA	NA			
	Quadro M5000M	6932	292	12.68	\$546.92*			
	Quadro P2000	6929	293	15.76	\$439.60*			
	Quadro T2000 with Max-Q Design	6912	294	NA	NA			
	GRID P4-4Q	6843	295	NA	NA			
Videocard Name		Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)			
	GeForce RTX 3050 4GB Laptop GPU	6838	296	NA	NA			
	Radeon Pro 5500M	6813	297	NA	NA			
	RTX A500 Laptop GPU	6793	298	NA	NA			
	CMP 40HX	6778	299	NA	NA			
	GRID P4-8Q	6733	300	NA	NA			
	Quadro T1000 with Max-Q Design	6720	301	NA	NA			
	Radeon Pro WX 7130	6715	302	NA	NA			
	GeForce GTX 970XM FORCE	6706	303	NA	NA			
	Ryzen 7 6800HS with Radeon Graphics	6677	304	NA	NA			
	Quadro M4000	6676	305	18.44	\$362.00*			
	Radeon RX Vega M GH	6570	306	NA	NA			
	Quadro P3000	6563	307	NA	NA			
	Quadro T1000	6514	308	17.61	\$369.99*			

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	Radeon Pro 570				6336	311	NA	NA
	P106-100				6327	312	NA	NA
	GeForce GTX 1050 Ti				6317	313	13.74	\$459.81
	Tesla M6				6284	314	31.58	\$199.00*
	Intel Arc A380				6238	315	52.00	\$119.99
	Intel Arc A530M				6237	316	NA	NA
	Radeon Ryzen 7 6800HS				6228	317	NA	NA
	Quadro M4000M				6210	318	24.36	\$254.91*
	Radeon R9 380X				6194	319	17.70	\$349.99*
	Radeon R9 280X				6190	320	NA	NA
	GeForce GTX 1650 with Max-Q Design				6169	321	NA	NA
	Radeon 680M Ryzen 7 7735HS				6166	322	NA	NA
	Radeon R9 380				6146	323	68.30	\$89.99*
	FirePro W9000				6138	324	7.26	\$845.00*
	Ryzen 9 6900HS with Radeon Graphics				6097	325	NA	NA
	GeForce GTX 960				6072	326	35.31	\$172.00*
	Quadro K5200				6041	327	14.56	\$415.00*
	Radeon Ryzen 9 6900HS Creator Edition				6012	328	NA	NA
	Radeon Pro 5300M				5966	329	NA	NA
	GeForce MX570 A				5957	330	NA	NA
	GRID P100-16Q				5944	331	NA	NA
	GeForce GTX 770				5921	332	23.78	\$249.00*
	GeForce GTX 1050 Ti (Mobile)				5918	333	NA	NA
	Radeon 760M				5910	334	NA	NA
	Radeon PRO W6300				5897	335	NA	NA
	Tesla K80				5852	336	9.85	\$593.95*
	Matrox LUMA A380P				5805	337	NA	NA
	Radeon Ryzen 7 7736U				5791	338	NA	NA
	Radeon Ryzen 7 PRO 6850H				5767	339	NA	NA
	Ryzen 9 PRO 6950H				5758	340	NA	NA
	GeForce MX570				5749	341	NA	NA
	Radeon RX 6300				5741	342	NA	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GRID T4-8Q	5680	345	NA	NA
RadeonT 680M Ryzen 7 7735HS	5650	346	NA	NA
Intel Arc A310	5640	347	51.28	\$109.99
Ryzen 7 PRO 6850U	5580	348	NA	NA
GeForce GTX 690	5571	349	19.83	\$280.99*
Ryzen 9 5900HS with Radeon Graphics	5570	350	NA	NA
Radeon Pro WX 5100	5569	351	15.47	\$359.99*
Radeon HD 7990	5565	352	13.91	\$399.99*
Radeon R9 280	5559	353	NA	NA
GeForce GTX 680	5554	354	13.92	\$399.00*
Radeon R9 285 / 380	5549	355	11.44	\$485.00*
Quadro M3000M	5526	356	34.55	\$159.95*
GRID M60-8A	5523	357	NA	NA
Radeon RX 5500M	5502	358	NA	NA
Radeon Ryzen 7 6800HS Creator Edition	5464	359	NA	NA
Radeon TM	5454	360	NA	NA
GeForce GTX 760 Ti OEM	5427	361	NA	NA
Radeon Ryzen 7 7735HS	5395	362	NA	NA
Ryzen 7 6800HS Creator Edition	5382	363	NA	NA
Ryzen 9 6900HX with Radeon Graphics	5369	364	NA	NA
GeForce GTX 1050 Ti with Max-Q Design	5367	365	NA	NA
GRID P40-4Q	5364	366	NA	NA
Radeon Ryzen 7 6800H	5345	367	NA	NA
GeForce GTX 950	5338	368	37.60	\$141.99*
Quadro P2000 with Max-Q Design	5332	369	NA	NA
GeForce GTX 670	5331	370	27.49	\$193.98*
Radeon Pro Vega 20	5299	371	NA	NA
FirePro W7100	5290	372	13.59	\$389.30*
Radeon HD 7970 / R9 280X	5247	373	21.25	\$246.99*
Ryzen 7 6800H	5247	374	NA	NA

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
Ryzen 7 7735U with Radeon Graphics					5215	377	NA	NA
Radeon HD 8990					5214	378	NA	NA
Radeon Ryzen 7 7735U					5208	379	NA	NA
GRID M60-2Q					5203	380	NA	NA
Radeon R9 M395X					5194	381	NA	NA
Radeon Ryzen 7 7735H					5190	382	NA	NA
Radeon Ryzen 7 PRO 6850U					5185	383	NA	NA
Q12U-1					5164	384	NA	NA
Radeon R9 M295X					5150	385	3.55	\$1,449.00*
Ryzen 7 7735HS with Radeon Graphics					5127	386	NA	NA
GeForce GTX 1050 3GB					5125	387	NA	NA
Intel Arc A370M					5115	389	NA	NA
Ryzen 7 PRO 6850U with Radeon Graphics					5115	388	NA	NA
Intel Arc					5099	390	NA	NA
Ryzen 7 PRO 6860Z					5076	391	NA	NA
FirePro S9000					5059	392	NA	NA
EIZO Quadro MED-XN51LP					5048	393	NA	NA
Videocard Name					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce GTX 1050					5047	394	21.12	\$239.00*
Radeon Ryzen 7 PRO 6850HS					5038	395	NA	NA
Ryzen 7 6800U					5006	396	NA	NA
GeForce GTX 1630					4991	397	26.27	\$189.99*
A16					4981	398	NA	NA
Radeon Instinct MI25 MxGPU					4978	399	NA	NA
Radeon R9 M395					4949	400	NA	NA
Barco MXRT 7600					4943	401	8.20	\$602.59*
FirePro S9050					4901	402	NA	NA
Radeon R9 270X					4889	403	14.98	\$326.50*
Ryzen 7 PRO 6860Z with Radeon Graphics					4869	404	NA	NA
T550 Laptop GPU					4845	405	NA	NA
GRID P40-2Q					4843	406	NA	NA

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
Ryzen 7 6800H with Radeon Graphics					4801	409	NA	NA
GeForce GTX 760					4793	410	32.17	\$149.00*
GRID RTX6000P-6Q					4777	411	NA	NA
FirePro S10000					4768	412	NA	NA
Radeon HD 7950 / R9 280					4764	413	36.04	\$132.20*
Radeon Sky 500					4763	414	NA	NA
Radeon Eng Sample: 100-000000560-40_Y					4749	415	NA	NA
Radeon R9 370					4722	416	29.51	\$159.99*
Ryzen 9 PRO 6950HS with Radeon Graphics					4704	417	NA	NA
Radeon Pro WX Vega M GL					4643	418	NA	NA
Radeon HD 7870					4640	419	26.37	\$176.00*
Radeon Ryzen 7 PRO 6860Z					4594	420	NA	NA
Radeon Ryzen 7 6800U					4575	421	NA	NA
GeForce MX550					4570	422	NA	NA
GeForce GTX 580					4564	423	32.62	\$139.92*
B8DKMDAP					4557	424	NA	NA
Radeon Pro 465					4537	425	NA	NA
FirePro S7000					4523	426	18.35	\$246.54*
Radeon R7 370					4520	427	NA	NA
Tesla K40c					4494	428	NA	NA
Radeon HD 7870 XT					4469	429	NA	NA
GeForce GTX 1050 (Mobile)					4461	430	NA	NA
GRID M60-1B					4456	431	NA	NA
Quadro P1000					4453	432	15.36	\$289.99*
Tesla K20m					4432	433	NA	NA
GRID P6-4Q					4429	434	NA	NA
GeForce GTX 660 Ti					4417	435	30.67	\$144.00*
FirePro W7000 Adapter					4359	436	NA	NA
GRID GTX P40-6					4340	437	NA	NA
Quadro K4200					4322	438	17.36	\$249.00*
Radeon RX 5300M					4307	439	NA	NA
Radeon R9 270					4306	440	NA	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon Ryzen 7 Pro 7735U	4256	443	NA	NA
Quadro M2200	4252	444	17.01	\$249.99*
Radeon Ryzen 9 PRO 6950HS	4250	445	NA	NA
NVIDIA A40-8Q	4220	446	NA	NA
Radeon Ryzen 9 7950X 16-Core	4215	447	NA	NA
GRID V100D-8Q	4155	448	NA	NA
GeForce GTX 680MX	4142	449	NA	NA
GeForce GTX 480	4106	450	24.16	\$169.99*
Radeon RX 460	4103	451	24.60	\$166.81*
FirePro W8000	4095	452	7.15	\$573.00*
GeForce GTX 1050 with Max-Q Design	4073	453	NA	NA
Radeon PRO Ryzen 5 PRO 6650U	4066	454	NA	NA
RadeonT 660M Ryzen 5 7535HS	4051	455	NA	NA
Radeon Eng Sample: 100-000000561-40_Y	4041	456	NA	NA
Radeon HD 7800-serie	4029	457	NA	NA
GeForce GTX 660	4000	458	23.82	\$167.95*
Quadro K5000	3986	459	16.01	\$249.00*
Quadro M2000	3985	460	15.08	\$264.24*
GeForce GTX 570	3928	461	26.19	\$149.99*
GRID P6-2Q	3925	462	NA	NA
GeForce GTX 750 Ti	3903	463	44.30	\$88.11*
GRID M60-8Q	3883	464	NA	NA
Radeon HD 8970M	3876	465	27.69	\$139.99*
Matrox LUMA A310F	3873	466	NA	NA
Intel Arc A310 LP	3862	467	NA	NA
Radeon HD 7850	3860	468	22.71	\$169.99*
GeForce GTX 780M	3847	469	7.71	\$499.00*
GRID M60-4Q	3831	470	NA	NA
Radeon Ryzen 5 7535HS	3826	471	NA	NA
GeForce GTX 880M	3803	472	NA	NA

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Radeon Ryzen 5 6600HS Creator Edition				3760	475	NA	NA
	Barco MXRT 7500				3753	476	12.55	\$299.00*
	Radeon Ryzen 7 4800HS				3751	477	NA	NA
	P104-100				3743	478	12.48	\$299.99*
	Ryzen 7 PRO 6850HS with Radeon Graphics				3736	479	NA	NA
	GeForce MX450				3733	480	NA	NA
	Radeon Ryzen 5 PRO 6650H				3724	481	NA	NA
	T400 4GB				3723	482	NA	NA
	T500				3695	483	NA	NA
	GRID M60-1Q				3694	484	NA	NA
	Matrox LUMA A310				3690	485	NA	NA
	Radeon Ryzen 5 PRO 6650U				3681	486	NA	NA
	Radeon Pro 560X				3677	487	NA	NA
	Ryzen 5 6600HS Creator Edition				3671	488	NA	NA
	Radeon R9 M485X				3660	489	NA	NA
	Radeon RX 560				3646	490	21.06	\$173.16
	Radeon Pro WX 4100				3635	491	7.27	\$499.99*
Videocard Name					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
	Quadro P620				3633	492	6.32	\$574.55*
	T400				3630	493	21.75	\$166.93
	Radeon RX Vega M GL				3616	494	NA	NA
	GeForce GTX 775M				3600	495	NA	NA
	Radeon R9 M390X				3597	496	NA	NA
	GeForce GTX 680M KY Bullet Edition				3568	497	NA	NA
	GRID M6-8Q				3568	499	NA	NA
	Radeon Ryzen 7 4800H				3568	498	NA	NA
	Quadro K2200				3549	500	13.23	\$268.30*
	Radeon HD 7970M				3529	501	NA	NA
	Ryzen 5 7535U with Radeon Graphics				3529	502	NA	NA
	Ryzen 5 6600H with Radeon Graphics				3525	503	NA	NA
	Ryzen 5 PRO 6650U				3519	504	NA	NA

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Radeon Ryzen 5 7535U				3508	507	NA	NA
	Quadro 7000				3505	508	NA	NA
	Radeon Pro 560				3475	509	NA	NA
	Quadro K2200M				3468	510	27.76	\$124.95*
	Radeon 740M				3461	511	NA	NA
	Quadro M2000M				3456	512	16.22	\$213.16*
	Radeon Pro 460				3452	513	NA	NA
	GRID T4-2Q				3450	514	NA	NA
	GeForce GTX 870M				3449	515	NA	NA
	Tesla C2050 / C2070				3428	516	NA	NA
	NVIDIA A10-4Q				3424	517	NA	NA
	GeForce GTX 960M				3394	518	2.90	\$1,169.00*
	Radeon Ryzen 5 6600U				3394	519	NA	NA
	NVIDIA A40-12Q				3370	520	NA	NA
	Radeon E8870PCIe				3368	522	NA	NA
	Radeon HD8970M				3368	521	NA	NA
	GRID M10-1Q				3351	523	NA	NA
	GeForce GTX 750				3350	524	41.89	\$79.99*
	GeForce GTX 590				3341	525	7.68	\$435.00*
	GeForce GTX 650 Ti BOOST				3338	526	NA	NA
	GRID T4-1Q				3302	527	NA	NA
	Tesla K40m				3281	528	NA	NA
	Quadro P600				3275	529	15.55	\$210.58*
	GRID P100-8Q				3267	530	NA	NA
	Radeon R9 M290X				3262	531	NA	NA
	GRID T4-4Q				3260	532	NA	NA
	GeForce 770M				3245	533	18.34	\$176.99*
	Radeon R9 M470X				3244	534	NA	NA
	Quadro M1200				3233	536	NA	NA
	Ryzen 5 6600U with Radeon Graphics				3233	535	NA	NA
	GeForce GTX 680M				3216	537	23.65	\$135.99*
	GRID P4-8A				3206	538	NA	NA

CPU Benchmarks		Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon R9 260	3181	541	NA	NA
Tesla C2050	3175	542	11.76	\$269.99*
Tesla M10	3171	543	1.18	\$2,695.00*
FirePro V7000	3161	544	NA	NA
FirePro W7170M	3161	545	NA	NA
Radeon Ryzen 5 Pro 7535U	3142	546	NA	NA
Radeon Pro 555	3140	547	2.99	\$1,049.00*
Intel Graphics	3121	548	NA	NA
Radeon Pro 455	3112	549	6.93	\$449.00*
GeForce GTX 470	3106	550	51.79	\$59.99*
Radeon R7 360	3093	551	21.19	\$145.99*
Radeon HD 7790	3090	552	22.07	\$139.99*
Quadro K5100M	3086	553	2.78	\$1,108.84*
GeForce GTX 960A	3075	554	NA	NA
GeForce GTX 560 Ti	3042	555	23.41	\$129.99*
GeForce GTX 860M	3036	556	26.64	\$114.00*
Radeon R9 360	3031	557	22.64	\$133.89*
Tesla C2075	3016	558	4.67	\$646.00*
Radeon HD 6990	3013	559	6.04	\$498.49*
FirePro W5100	2989	560	23.72	\$125.99*
FirePro W5000	2977	561	16.18	\$184.00*
GRID M10-4Q	2976	562	NA	NA
Radeon Ryzen 9 5900H	2960	563	NA	NA
GRID K260Q	2949	564	NA	NA
Quadro K1200	2929	565	10.27	\$285.29*
Ryzen 7 5800HS with Radeon Graphics	2917	567	NA	NA
Tesla K20Xm	2917	566	0.38	\$7,699.00*
Radeon R7 260	2891	568	32.13	\$89.99*
Ryzen 9 5900HX with Radeon Graphics	2891	569	NA	NA
Snapdragon X Elite - X1E84100 - Qualcomm Adreno GP	2873	570	NA	NA

CPU Benchmarks		Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
		Videocard Name				Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
		Eng Sample: 100-000000261-50_Y				2859	573	NA	NA
		Radeon Pro V340 MxGPU				2853	574	NA	NA
		Custom GPU 0405				2849	575	NA	NA
		GRID K280Q				2839	577	NA	NA
		Tesla C2070				2839	576	4.70	\$604.00*
		Radeon HD 6970				2836	578	18.91	\$149.99*
		Radeon Ryzen 7 5800H				2824	579	NA	NA
		FirePro W4300				2820	580	11.75	\$239.99*
		FirePro 3D V9800				2811	581	1.13	\$2,499.00*
		GeForce MX350				2806	582	NA	NA
		GeForce GTX 770M				2802	583	20.31	\$138.00*
		Quadro M620				2800	584	NA	NA
		Ryzen 7 5700G with Radeon Graphics				2794	585	NA	NA
		Radeon R9 M380				2762	586	NA	NA
		Quadro K4100M				2753	587	10.54	\$261.29*
		Quadro K5000M				2752	588	5.41	\$508.91*
		Radeon Eng Sample: 100-000000300-30_Y				2741	589	NA	NA
		Videocard Name				Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
		GeForce GTX 560				2740	590	13.37	\$205.00*
		Ryzen 7 5800H with Radeon Graphics				2740	591	NA	NA
		GRID K2				2736	592	0.71	\$3,836.58
		Radeon HD 8950				2732	593	NA	NA
		Radeon RX 550				2727	595	12.40	\$219.99
		Radeon Ryzen 5 5500GT				2727	594	NA	NA
		FirePro S7150				2726	596	1.61	\$1,697.99*
		FirePro V9800				2726	597	5.75	\$474.00*
		Quadro K4000				2724	598	10.09	\$270.00*
		Radeon Pro 450				2722	599	NA	NA
		Quadro 6000				2709	600	0.66	\$4,092.38*
		Ryzen 7 5700GE with Radeon Graphics				2702	601	NA	NA
		Barco MXRT 5500				2701	602	9.04	\$299.00*

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Intel Iris Xe				2684	605	NA	NA
	Ryzen 7 Pro 4750G with Radeon Graphics				2681	606	NA	NA
	Radeon Eng Sample: 100-000000300-40_Y				2670	607	NA	NA
	GeForce GTX 465				2662	608	13.66	\$195.00*
	GeForce GTX 675MX				2658	609	NA	NA
	FirePro R5000				2646	610	24.06	\$109.99*
	MONSTER GeForce GTX 675M				2637	611	NA	NA
	A40-24Q				2616	613	NA	NA
	Radeon HD 6950				2616	612	18.69	\$139.99*
	Radeon Ryzen 7 4700GE				2610	615	NA	NA
	Radeon Ryzen 9 7900X 12-Core				2610	614	NA	NA
	GRID T4-2B				2601	617	NA	NA
	Ryzen 5 5600GE with Radeon Graphics				2601	616	NA	NA
	Radeon Ryzen 7 4700G				2598	618	NA	NA
	Radeon Ryzen 7 PRO 4750G				2597	619	NA	NA
	Radeon Eng Sample: 100-000000371-40_42/18_Y				2590	620	NA	NA
	Radeon Pro WX 4150				2587	621	4.24	\$610.04*
	GeForce GTX 950M				2585	622	4.56	\$567.00*
	Ryzen 5 5600G with Radeon Graphics				2584	623	NA	NA
	Snapdragon X Elite - X1E80100 - Qualcomm Adreno GP				2576	624	NA	NA
	Snapdragon X Elite - X1E78100 - Qualcomm Adreno GP				2574	625	NA	NA
	GeForce GTX 950A				2560	626	NA	NA
	Radeon Ryzen 9 4900H				2550	627	NA	NA
	Ryzen 7 PRO 4750GE with Radeon Graphics				2549	629	NA	NA
	Ryzen 7 PRO 7730U with Radeon Graphics				2549	630	NA	NA
	Snapdragon X Plus - X1P64100 - Qualcomm Adreno GPU				2549	628	NA	NA
	Radeon Pro WX 3100				2547	631	NA	NA
	GRID K240Q				2541	632	NA	NA
	Radeon HD 6850 X2				2534	633	NA	NA
	Radeon Ryzen 5 5600GE				2529	634	NA	NA
	FireStream 9370				2528	635	NA	NA
	N18E-Q1				2525	636	NA	NA

CPU Benchmarks		Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Ryzen 7 PRO 5750GE with Radeon Graphics	2514	639	NA	NA
Radeon Ryzen 7 5800HS	2507	640	NA	NA
Ryzen 5 PRO 5650G with Radeon Graphics	2500	641	NA	NA
Ryzen 7 4700GE with Radeon Graphics	2496	642	NA	NA
Ryzen 7 7730U with Radeon Graphics	2470	643	NA	NA
Radeon Ryzen 7 7730U	2467	644	NA	NA
Barco MXRT 5600	2465	645	3.50	\$704.00*
GeForce GT 1030	2465	646	23.48	\$104.99
GeForce MX330	2443	647	NA	NA
Ryzen 7 PRO 5750G with Radeon Graphics	2440	648	NA	NA
FirePro 3D V8800	2437	649	5.74	\$424.99*
Ryzen 5 PRO 5650GE with Radeon Graphics	2435	650	NA	NA
Radeon Pro WX 3200	2433	651	15.37	\$158.35*
GeForce MX250	2422	652	NA	NA
Radeon Eng Sample: 100-000000262-30_Y	2415	653	NA	NA
Radeon Ryzen 5 5600H	2411	654	NA	NA
Radeon Eng Sample: 100-000000285-40_Y	2404	655	NA	NA
Radeon RX Vega 11 PRD	2401	656	NA	NA
Radeon Ryzen 7 5800U	2401	657	NA	NA
Radeon Ryzen 9 7900 12-Core	2397	658	NA	NA
Ryzen 5 Pro 4650G with Radeon Graphics	2394	659	NA	NA
Radeon Ryzen 7 5825U	2383	660	NA	NA
Ryzen 5 4600G with Radeon Graphics	2376	661	NA	NA
Radeon Ryzen 5 PRO 4655G	2375	662	NA	NA
Citrix Indirect Display Adapter	2365	663	NA	NA
GRID M10-2B	2363	664	NA	NA
Radeon Vega 11 Ryzen 5 PRO 3350G	2362	665	NA	NA
Radeon Ryzen 5 PRO 4655GE	2361	667	NA	NA
Ryzen 7 5800U with Radeon Graphics	2361	666	NA	NA
GeForce GTX 485M	2359	668	NA	NA

		Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)			
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	P106-090	2342	671	NA	NA			
	Ryzen 7 5825U with Radeon Graphics	2342	672	NA	NA			
	Radeon Ryzen 7 PRO 7730U	2336	674	NA	NA			
	Ryzen 5 5600H with Radeon Graphics	2336	673	NA	NA			
	Radeon RX Vega Ryzen 3 5300U	2334	675	NA	NA			
	Radeon R9 M470	2330	676	NA	NA			
	Ryzen 3 PRO 5350G with Radeon Graphics	2330	677	NA	NA			
	Radeon Ryzen 7 PRO 4750GE	2329	678	NA	NA			
	Radeon Ryzen 5 PRO 5650GE	2313	680	NA	NA			
	Radeon Ryzen 7 4800U	2313	679	NA	NA			
	Radeon RX Vega - Renoir Ryzen 3 5300U	2312	681	NA	NA			
	GRID M10-1B	2309	682	NA	NA			
	Radeon Ryzen 7 5700U	2307	683	NA	NA			
	Ryzen 5 PRO 4400G with Radeon Graphics	2305	684	NA	NA			
	FirePro V7900	2304	685	12.13	\$190.00*			
	Radeon Ryzen 5 PRO 5650G	2295	686	NA	NA			
	Radeon Ryzen 7 Microsoft Surface Edition	2290	687	NA	NA			
Videocard Name		Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)			
	Radeon HD 5970	2282	688	12.68	\$179.99*			
	FirePro V8800	2280	689	11.52	\$198.00*			
	GeForce MX150	2279	690	38.45	\$59.29*			
	Ryzen 3 4300GE with Radeon Graphics	2271	691	NA	NA			
	Radeon HD 6970M	2270	692	10.51	\$215.99*			
	Ryzen 7 PRO 5850U with Radeon Graphics	2270	693	NA	NA			
	Ryzen 5 7530U with Radeon Graphics	2269	694	NA	NA			
	Radeon R7 250X	2268	695	11.70	\$194.00*			
	Quadro K3100M	2265	696	5.66	\$399.95*			
	GeForce GTX 460	2263	698	25.15	\$89.99*			
	Intel HD 5600	2263	697	NA	NA			
	Radeon RX 550X	2257	699	NA	NA			
	Ryzen 7 5700U with Radeon Graphics	2246	700	NA	NA			

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Ryzen 7 Extreme Edition				2226	703	NA	NA
	GRID P100-1B				2223	704	NA	NA
	Radeon Ryzen 5 7530U				2221	705	NA	NA
	Radeon HD 6870				2218	706	8.07	\$275.00*
	Radeon HD 5870				2216	707	7.52	\$295.00*
	Ryzen 5 4600H with Radeon Graphics				2204	708	NA	NA
	Ryzen 7 4700G with Radeon Graphics				2186	709	NA	NA
	Ryzen 5 5600U with Radeon Graphics				2178	710	NA	NA
	Quadro M600M				2177	711	8.64	\$251.99*
	Radeon RX Vega 11 Ryzen 5 3400G				2171	712	NA	NA
	Radeon HD 7770				2170	713	7.23	\$300.00*
	Radeon Ryzen 7 7700X 8-Core				2166	714	NA	NA
	Intel UHD Graphics P630				2157	715	NA	NA
	Radeon Ryzen 5 5625U				2157	716	NA	NA
	GRID P4-1B				2151	717	NA	NA
	Radeon Ryzen 5 7430U				2143	718	NA	NA
	GeForce GTX 745				2140	719	7.51	\$284.95*
	Ryzen 3 Pro 4350G with Radeon Graphics				2136	720	NA	NA
	FirePro M6100				2122	721	NA	NA
	Radeon RX Vega 11				2119	722	2.12	\$1,002.00*
	Radeon Ryzen 5 5600U				2114	723	NA	NA
	Ryzen 7 4800H with Radeon Graphics				2113	724	NA	NA
	Radeon Pro				2109	725	4.92	\$429.00
	GeForce 945M				2108	726	NA	NA
	Radeon TM R9 A360				2105	727	NA	NA
	FirePro M5100				2102	728	NA	NA
	Intel G35 Express				2097	730	NA	NA
	Radeon Ryzen 5 Microsoft Surface Edition				2097	729	NA	NA
	Ryzen 5 PRO 4650GE with Radeon Graphics				2097	731	NA	NA
	Quadro P520				2095	732	1.40	\$1,499.00*
	Radeon Ryzen 5 5500U				2093	733	NA	NA
	Radeon Ryzen 3 7335U				2084	734	NA	NA

CPU Benchmarks		Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GRID M6-1Q	2069	737	NA	NA
Radeon RX Vega 11 Ryzen 5 3400GE	2068	738	NA	NA
Ryzen 7 PRO 5875U with Radeon Graphics	2067	739	NA	NA
Radeon R9 M385	2060	740	NA	NA
Quadro 5000M	2059	741	NA	NA
Ryzen 3 4300G with Radeon Graphics	2057	742	NA	NA
Radeon Ryzen 7 PRO 4750U	2051	743	NA	NA
Radeon Ryzen 7 4700U	2046	744	NA	NA
Radeon Ryzen 3 PRO 7330U	2043	745	NA	NA
Ryzen 5 PRO 5650U with Radeon Graphics	2041	746	NA	NA
Ryzen 7 4700U with Radeon Graphics	2034	747	NA	NA
Radeon Ryzen 5 5560U	2029	749	NA	NA
Ryzen 7 PRO 4750U with Radeon Graphics	2029	748	NA	NA
FirePro V7800	2028	750	10.68	\$190.00*
Radeon R9 350	2018	751	6.75	\$299.00*
Radeon Pro W5500M	2010	752	NA	NA
Ryzen 5 PRO 4500U with Radeon Graphics	2007	753	NA	NA
Ryzen 5 5600GT with Radeon Graphics	2006	754	NA	NA
GeForce GT 645	2005	755	NA	NA
Ryzen 3 5300G with Radeon Graphics	2004	756	NA	NA
GeForce GTX 460 SE	2001	757	12.51	\$159.99*
Radeon Ryzen Embedded V2718	1998	758	NA	NA
GeForce GTX 765M	1993	760	10.70	\$186.30*
Radeon R9 M385X	1993	759	NA	NA
GRID M10-8Q	1992	761	NA	NA
Ryzen 5 5500U with Radeon Graphics	1991	762	NA	NA
Ryzen 5 5625U with Radeon Graphics	1989	763	NA	NA
Ryzen 3 PRO 7330U with Radeon Graphics	1984	764	NA	NA
Intel Iris Pro 580	1983	765	NA	NA
Radeon R7 + R7 350 Dual	1982	766	NA	NA

		Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)			
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Intel Iris Xe MAX	1971	770	NA	NA			
	Radeon HD 6850	1971	769	23.20	\$85.00*			
	Radeon Pro WX 4130	1966	771	NA	NA			
	Radeon R7 + HD 7700 Dual	1962	772	NA	NA			
	Radeon RX 640	1961	773	NA	NA			
	Quadro K4000M	1960	774	7.72	\$254.00*			
	Qualcomm Adreno 8cx Gen 3	1959	776	NA	NA			
	Radeon 550	1959	775	21.78	\$89.99			
	Radeon HD 7660D + HD 7700 Dual	1958	777	NA	NA			
	Radeon Ryzen 3 PRO 7335U	1954	778	NA	NA			
	GeForce GTX 470M	1953	779	NA	NA			
	GeForce GTX 670MX	1947	780	NA	NA			
	Radeon R7 450	1939	781	6.49	\$299.00*			
	Radeon Vega 8 Ryzen 3 3200G	1938	782	NA	NA			
	Quadro 5000	1933	783	0.88	\$2,197.82			
	Radeon Vega 11 Ryzen 5 PRO 3400G	1932	784	NA	NA			
	GeForce GTX 675M	1929	785	NA	NA			
Videocard Name		Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)			
	Ryzen 3 PRO 5350GE with Radeon Graphics	1928	786	NA	NA			
	Intel Iris Xe MAX 100	1927	787	NA	NA			
	Radeon RX 570X	1923	788	12.57	\$153.01*			
	Radeon Vega 11 Ryzen 5 PRO 3400GE w/	1922	789	NA	NA			
	Radeon HD 7560D + 7700 Dual	1919	791	NA	NA			
	Ryzen 5 PRO 7530U with Radeon Graphics	1919	790	NA	NA			
	Ryzen 3 5300GE with Radeon Graphics	1917	792	NA	NA			
	GeForce GTX 560 SE	1914	793	21.27	\$89.99*			
	Radeon Ryzen 5 PRO 5675U	1912	794	NA	NA			
	Ryzen 3 PRO 4350GE with Radeon Graphics	1905	795	NA	NA			
	Matrox C680 PCIe x16	1903	796	NA	NA			
	Radeon HD 7700-serie	1899	797	NA	NA			
	Ryzen 5 4600U with Radeon Graphics	1897	798	NA	NA			

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Intel UHD Graphics 770				1878	801	NA	NA
	GeForce GTX 645				1873	802	NA	NA
	GeForce GTX 460 v2				1871	803	9.36	\$199.99*
	FirePro 3D V7800				1867	804	3.11	\$599.99*
	Radeon Ryzen Embedded R2544				1864	805	NA	NA
	GeForce GTX 570M				1863	806	NA	NA
	Radeon Eng Sample: 100-000000287-40_Y				1861	807	NA	NA
	Radeon Vega 8 Ryzen 3 PRO 3200G				1861	808	NA	NA
	Radeon Ryzen 5 7600 6-Core				1859	809	NA	NA
	Radeon RX 540				1856	810	NA	NA
	Radeon RX Vega 11 Ryzen 5 3350G				1854	811	NA	NA
	GeForce 945A				1852	812	NA	NA
	GeForce MX130				1848	813	NA	NA
	Radeon Ryzen Embedded V2748				1842	815	NA	NA
	Radeon Vega 11				1842	814	NA	NA
	FirePro M5100 FireGL V				1839	817	NA	NA
	GeForce MX230				1839	816	NA	NA
	GRID M60-0B				1838	818	NA	NA
	Radeon HD 8570D + HD 7700 Dual				1834	819	NA	NA
	Radeon Pro WX 2100				1830	820	NA	NA
	MxGPU				1826	821	NA	NA
	Radeon RX Vega 10 Ryzen 7 3750H				1825	822	NA	NA
	Radeon RX Vega 11 Processor				1822	823	NA	NA
	FirePro M6000				1820	825	5.58	\$325.99*
	Radeon R9 M360				1820	824	NA	NA
	Intel Iris Plus				1817	827	NA	NA
	Ryzen 5 4500U with Radeon Graphics				1817	826	NA	NA
	Matrox C900 PCIe x16				1812	828	NA	NA
	Embedded Radeon E9173				1806	829	NA	NA
	Radeon HD 8870M / R9 M270X / M370X				1799	830	NA	NA
	Radeon Ryzen 5 4600GE with Radeon Graphics				1792	831	NA	NA
	Radeon HD 8670D + 7700 Dual				1788	832	NA	NA

CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
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Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Firepro W5170M	1761	835	NA	NA
Radeon Ryzen 9 7900X3D 12-Core	1758	836	NA	NA
GeForce GTX 650	1749	837	15.91	\$109.98*
Ryzen 3 PRO 4200GE with Radeon Graphics	1748	838	NA	NA
Radeon Ryzen 5 7600X 6-Core	1743	839	NA	NA
GeForce GTX 670M	1736	840	NA	NA
Ryzen 5 PRO 4650U with Radeon Graphics	1736	841	NA	NA
Intel Iris Plus 655	1735	842	NA	NA
Intel UHD Graphics 750	1734	843	NA	NA
Radeon HD 5830	1733	844	6.69	\$258.99*
Radeon Ryzen 9 PRO 7945 12-Core	1731	845	NA	NA
Intel Iris Plus 645	1727	847	NA	NA
Radeon R9 M375X	1727	846	NA	NA
GeForce GTX 760M	1720	848	NA	NA
Ryzen 5 PRO 5675U with Radeon Graphics	1719	849	NA	NA
FirePro M6000 Mobility Pro	1712	850	NA	NA
Radeon HD 7750	1703	851	13.97	\$121.90
Radeon HD 6900M	1702	852	NA	NA
Radeon Ryzen 7 7800X3D 8-Core	1700	853	NA	NA
Radeon Vega 8 Ryzen 5 3550H	1694	854	NA	NA
GeForce GT 755M	1688	856	NA	NA
Intel UHD Graphics P750	1688	855	NA	NA
Radeon E8860	1686	858	NA	NA
Radeon Ryzen 7 7700 8-Core	1686	857	NA	NA
Radeon R7 M465X	1676	859	NA	NA
Radeon RX Vega11 Ryzen 7 3750H	1674	860	NA	NA
FirePro W600	1671	861	4.03	\$414.99*
Radeon R7 M380	1668	862	NA	NA
Ryzen 3 5425U with Radeon Graphics	1667	863	NA	NA
Radeon EPYC 4584PX 16-Core	1661	864	NA	NA

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
Radeon HD HD7850M					1651	866	NA	NA
Radeon Vega 10 Ryzen 7 PRO 3700U w/					1649	868	NA	NA
Ryzen 3 7330U with Radeon Graphics					1649	867	NA	NA
PCI\VEN_1002&DEV_164E&SUBSYS_D0001458&REV_C7 Ryzen					1642	869	NA	NA
Quadro P400					1641	870	8.16	\$201.17*
Radeon RX Vega 10					1639	871	NA	NA
Radeon HD 8870M					1638	872	NA	NA
Quadro K3000M					1637	873	4.02	\$407.56*
Radeon EPYC 4344P 8-Core					1634	874	NA	NA
FirePro M4000 Mobility Pro					1628	875	NA	NA
Intel Iris Pro P6300					1625	876	NA	NA
Quadro P500					1624	877	NA	NA
Radeon EPYC 4484PX 12-Core					1619	878	NA	NA
Radeon EPYC 4564P 16-Core					1618	879	NA	NA
GeForce GTX 480M					1617	882	NA	NA
Radeon Ryzen 3 7330U					1617	880	NA	NA
Ryzen 7 2700U with Radeon Vega					1617	881	NA	NA
Radeon HD 6790					1616	883	5.50	\$294.00*
Videocard Name					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
Radeon Ryzen 5 PRO 7645 6-Core					1615	884	NA	NA
Intel UHD Graphics 730					1613	886	NA	NA
Radeon EPYC 4464P 12-Core					1613	885	NA	NA
Radeon EPYC 4364P 8-Core					1610	887	NA	NA
Radeon RX Vega11					1605	888	NA	NA
FirePro M4000					1604	889	22.02	\$72.83*
Seria Radeon HD 7700					1603	890	NA	NA
Radeon Ryzen 9 7950X3D 16-Core					1602	891	NA	NA
Ryzen 3 PRO 5450U with Radeon Graphics					1601	892	NA	NA
Virtual Display Device					1597	893	NA	NA
Radeon Vega 9					1596	894	NA	NA
Intel Iris Plus 650					1586	896	NA	NA

					Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
CPU Benchmarks	Video Card Benchmarks	Hard Drive Benchmarks	Memory Benchmarks	PC Benchmarks	Software Marketshare	Database Benchmarks	Android Benchmarks	iOS Benchmarks
	Radeon Ryzen 7 PRO 7745 8-Core				1581	898	NA	NA
	Quadro K2000				1578	899	5.37	\$294.00*
	Ryzen 3 5400U with Radeon Graphics				1576	900	NA	NA
	Radeon R9 M275X / M375				1574	901	NA	NA
	Radeon Athlon Gold PRO 4150GE				1573	902	NA	NA
	GeForce GTX 555				1571	903	NA	NA
	Radeon Vega 10				1565	904	NA	NA
	Radeon Ryzen 3 5300U				1561	905	NA	NA
	Radeon Vega 9 Ryzen 5 3550H				1561	906	NA	NA
	Radeon HD 7560D + HD 6670 Dual				1554	907	NA	NA
	GeForce GTX 550 Ti				1552	908	15.53	\$99.99*
	Radeon RX Vega 10 Ryzen 7 PRO 3700U w/				1546	909	NA	NA
	Radeon Vega 6 Ryzen 3 3350U				1546	910	NA	NA
	Radeon HD 8470D + HD 7500 Dual				1545	911	NA	NA
	Radeon R9 M370X				1543	912	1.74	\$889.00*
	Ryzen 3 PRO 4300U with Radeon Graphics				1542	913	NA	NA
	Radeon Ryzen 3 PRO 5475U				1541	914	NA	NA
	FirePro V8700				1538	915	9.75	\$157.88*
	Radeon R9 M275X				1537	916	NA	NA
	Ryzen 3 PRO 4450U with Radeon Graphics				1534	917	NA	NA
	FirePro W4100				1533	918	8.33	\$184.00*
	Radeon Ryzen 3 5425U				1528	919	NA	NA
	Radeon Ryzen Embedded V2516				1527	921	NA	NA
	Ryzen 3 5300U with Radeon Graphics				1527	920	NA	NA
	GeForce 845M				1524	922	NA	NA
	Radeon 610M Ryzen 9 7945HX				1524	923	NA	NA
	Radeon RX Vega 10 Ryzen 7 3700U				1521	924	NA	NA
	GeForce 940MX				1516	925	NA	NA
	GeForce GTX 285				1515	926	12.63	\$119.99*
	Radeon Vega 9 Ryzen 5 Microsoft Surface Edition				1512	927	NA	NA
	Radeon HD 4890				1507	928	16.76	\$89.99*
	Radeon HD 7870M				1507	930	NA	NA

CPU Benchmarks Video Card Benchmarks Hard Drive Benchmarks Memory Benchmarks PC Benchmarks Software Marketshare Database Benchmarks Android Benchmarks iOS Benchmarks

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>Radeon HD 6670 + 7660D Dual</u>	1492	932	NA	NA
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
<u>GeForce GT 740</u>	1489	933	<u>6.28</u>	<u>\$236.99*</u>
<u>Radeon Vega 8 Ryzen 3 PRO 3200GE w/</u>	1488	934	NA	NA
<u>Radeon RX Vega 8</u>	1487	935	NA	NA
<u>Radeon Vega 8 Ryzen 5 PRO 3500U w/</u>	1485	936	NA	NA
<u>Radeon HD 7660D + HD 6670 Dual</u>	1484	937	NA	NA
<u>Radeon Ryzen Embedded R2514</u>	1482	938	NA	NA
<u>Radeon R9 M365X</u>	1481	939	NA	NA
<u>Quadro 4000</u>	1479	940	<u>1.47</u>	<u>\$1,008.09*</u>
<u>Intel UHD Graphics</u>	1477	941	NA	NA