

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.

Single Video Card

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
GeForce RTX 3090 Ti	30351	1	20.65	\$1,469.99
Radeon RX 6950 XT	27756	2	25.23	\$1,099.99
GeForce RTX 3080 Ti	27160	3	29.21	\$929.99
GeForce RTX 3090	26561	4	21.25	\$1,249.99
Radeon RX 6900 XT	25744	5	28.93	\$889.99
GeForce RTX 3080	25100	6	32.60	\$769.99
RTX A5500	23977	7	NA	NA
Radeon RX 6800 XT	23694	8	35.10	\$674.99
RTX A5000	23609	9	8.97	\$2,631.20*
GeForce RTX 3070 Ti	23546	10	34.63	\$679.99
GeForce RTX 3070	22189	11	41.87	\$529.99
RTX A6000	21983	12	4.40	\$4,999.99
GeForce RTX 2080 Ti	21822	13	21.85	\$998.59*
RTX A4500	21762	14	12.42	\$1,752.60*
Radeon RX 6800	20789	15	34.65	\$599.99
GeForce RTX 3060 Ti	20350	16	43.30	\$469.99
GeForce RTX 3080 Ti Laptop GPU	20201	17	NA	NA
TITAN RTX	20051	18	7.17	\$2,794.99*
TITAN V	19773	19	9.89	\$1,999.99*

Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
TITAN Xp	19390	22	NA	NA
Radeon PRO W6800	19283	23	8.79	\$2,194.99*
Radeon RX 6750 XT	19133	24	34.79	\$549.99
Quadro RTX 8000	19126	25	4.03	\$4,741.49*
RTX A4000	18936	26	15.35	\$1,233.98*
Radeon RX 6700 XT	18885	27	42.61	\$443.25
A10G	18723	28	NA	NA
GeForce RTX 2080	18721	29	29.58	\$633.03*
TITAN Xp COLLECTORS EDITION	18711	30	NA	NA
GeForce RTX 3070 Ti Laptop GPU	18638	31	NA	NA
GeForce GTX 1080 Ti	18336	32	37.90	\$483.82*
NVIDIA TITAN Xp	18280	33	11.11	\$1,645.00*
GeForce RTX 2070 SUPER	18192	34	36.39	\$499.99*
RTX A4500 Laptop GPU	17730	35	NA	NA
Quadro GV100	17675	36	1.96	\$8,999.00*
Radeon RX 6700	17122	37	NA	NA
GeForce RTX 3060	16997	38	51.66	\$329.00*
TITAN V CEO Edition	16987	39	NA	NA
RTX A5500 Laptop GPU	16981	40	NA	NA
Radeon RX 5700 XT	16897	41	24.31	\$694.94*
Tesla P40	16864	42	NA	NA
Radeon Pro VII	16853	43	NA	NA
Radeon VII	16799	44	8.84	\$1,899.95*
Radeon RX 5700 XT 50th Anniversary	16634	45	NA	NA
GeForce RTX 3080 Laptop GPU	16578	46	NA	NA
GeForce RTX 2060 SUPER	16511	47	45.87	\$359.99
Quadro GP100	16203	48	NA	NA
Quadro RTX 5000	16141	49	NA	NA
GeForce RTX 2070	16076	50	25.62	\$627.44*
Videocard Name	Passmark G3D Mark (higher is better)	Rank (lower is better)	Videocard Value (higher is better)	Price (USD)
RTX A4000 Laptop GPU	16061	51	NA	NA
RTX A5000 Laptop GPU	16050	52	NA	NA