



Board Features	Entry Level					Mid-Range		High End					Ultra High End	
	NVIDIA Quadro FX 370	NVIDIA Quadro FX 370 Low Profile	NVIDIA Quadro FX 380	NVIDIA Quadro FX 570	NVIDIA Quadro FX 580	NVIDIA Quadro FX 1700	NVIDIA Quadro FX 1800	NVIDIA Quadro FX 3700	NVIDIA Quadro FX 3800	NVIDIA Quadro FX 4600	NVIDIA Quadro FX 4700 X2	NVIDIA Quadro FX 4800	NVIDIA Quadro FX 5600	NVIDIA Quadro FX 5800
Memory Size	256MB DDR2	256MB DDR2	256MB GDDR3	256MB DDR2	512MB GDDR3	512MB DDR2	768MB GDDR3	512MB GDDR3	1GB GDDR3	768MB GDDR3	1GB GDDR3 per GPU	1.5GB GDDR3	1.5GB GDDR3	4GB GDDR3
Memory Interface	64-bit	64-bit	128-bit	128-bit	128-bit	128-bit	192-bit	256-bit	256-bit	384-bit	256-bit	384-bit	384-bit	512-bit
Memory Bandwidth	6.4GB/s	8GB/s	22.4 GB/s	12.8GB/s	25.6 GB/s	12.8GB/s	38.4 GB/s	51.2 GB/s	51.2 GB/s	67.2GB/s	51.2 GB/s	76.8GB/s	76.8GB/s	102GB/s
CUDA™ Parallel Processor Cores	16	8	16	16	32	32	64	112	192	112	128 per GPU (total 256)	192	128	240
Max Power Consumption	35W	25W	34W	38W	40W	42W	59W	78W	107W	134W	226W	150W	171W	188W
Number of slots	1	1	1	1	1	1	1	1	1	2	2	2	2	2
Display Connectors	2 x DVI-I	DMS-59	2 x DVI-I	2 x DVI-I	DVI-I + 2 x DP	2x DVI-I + HD	DVI-I + 2 x DP	2 x DVI-I + ST	DVI-I + 2 x DP	2 x DVI-I + ST	4 x DVI-I + ST	DVI-I + 2 x DP + ST	2 x DVI-I + ST	2 x DVI-I + DP + ST
Dual Link DVI	1	2	2	2	1	2	1	2	1	2	4	1	2	2
Single Link DVI	1	2	-	-	-	-	-	-	-	-	-	-	-	-
DisplayPort	-	-	-	-	2	-	2	-	2	-	-	2	-	1
OpenGL	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Shader Model	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4
DirectX	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10
CUDA™ enabled	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
NVIDIA® SLI® Multi OS	-	-	-	-	-	-	-	-	Yes	-	-	Yes	-	Yes
SLI Frame Rendering Support	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Genlock/Framelock	-	-	-	-	-	-	-	-	-	Yes ¹	Yes ¹	Yes ¹	Yes ¹	Yes ¹
Quadro® SDI option card	-	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes	Yes	Yes
Quadro® G-Sync option card	-	-	-	-	-	-	-	-	-	Yes	Yes	Yes	Yes	Yes
3D Primitive Performance														
Triangles per Second	66 Million	90.4 Million	95.6 Million	137 Million	170.2 Million	191 Million	268.6 Million	250 Million	300 Million	250 Million	250 Million	300 Million	300 Million	300 Million
Texels per Second / Fill Rate	2.88 Billion	4.32 Billion	3.6 Billion	3.68 Billion	7.2 Billion	7.36 Billion	17.6 Billion	28.0 Billion	38.0 Billion	24 Billion	32 Billion	38.4 Billion	38.4 Billion	52 Billion
3D Application Performance¹														
3dsmax-04	33.25	32.88	41.46	38.41	46.66	45.46	46.72	47.22	47.48	47.41	42.99 ²	47.37	47.36	47.32
catia-02	39.21	36.57	51.20	49.53	53.97	52.42	57.35	56.84	59.35	57.06	55.39 ²	59.58	59.47	60.09
ensight-03	18.03	21.87	34.21	27.82	42.00	31.65	50.65	49.28	54.04	49.68	71.53 ²	55.41	55.21	57.02
maya-02	64.02	64.85	134.31	96.92	164.66	135.10	207.04	197.25	221.67	196.69	238.02 ²	227.32	227.36	234.03
proe-04	33.39	33.95	43.91	40.59	52.82	50.14	57.63	56.34	59.73	56.29	44.65 ²	59.95	60.59	60.31
sw-02	41.48	44.18	65.76	58.72	89.41	80.71	119.97	119.03	127.59	116.79	75.42 ²	128.84	126.08	130.82
tcvis-01	9.89	8.45	15.32	13.33	20.66	18.71	28.86	26.28	29.13	24.93	37.38 ²	29.08	29.36	30.02
ugnx-01	10.37	9.87	14.44	13.43	21.83	20.23	30.89	28.39	33.70	27.13	55.44 ²	33.62	32.25	35.1

¹ SPECviewperf® 10: For more information visit www.spec.org. Tested on 3GHz Quad Core Xeon®, Driver Release rel 180+

² NVIDIA Quadro FX 4700 X2 AFR turned on.



