

SPEC Viewperf benchmark results for NVIDIA Quadro FX Series

	NVIDIA Quadro FX 5000 NEW!	NVIDIA Quadro FX 4800	NVIDIA Quadro FX 3800 NEW!	NVIDIA Quadro FX 3700	NVIDIA Quadro FX 1800 NEW!	NVIDIA Quadro FX 1700	NVIDIA Quadro FX 580 NEW!	NVIDIA Quadro FX 570
Manufacturer's price	\$2,249	\$1,999	\$1,199	\$1,599	\$699	\$699	\$170	\$199
Average street price	\$1,765	\$1,620	\$818	\$899	\$405	\$585	\$150	\$182
SPECviewperf 11.0 (from NVIDIA)								
catia-03	29.21	20.14	20.06	18.32	18.96	N/A	14.84	N/A
ensight-04	44.75	15.66	15.59	11.00	13.12	7.49	8.33	6.05
lightwave-01	45.29	45.33	44.93	44.79	43.81	21.06	40.83	17.82
maya-03	60.05	42.32	30.45	16.29	27.33	N/A	17.89	N/A
proe-05	6.11	5.94	5.97	5.96	5.94	N/A	5.93	N/A
sw-02	43.08	36.71	36.46	31.51	32.62	10.23	26.66	8.26
tcvis-02	30.62	17.68	17.61	15.45	15.71	6.40	10.49	3.81
snx-01	45.45	18.29	18.05	14.98	16.79	8.61	11.55	6.10
SPECviewperf 10.0 (HP xw6600)								
3dsmax-04	62.83	62.74	62.78	62.75	62.48	41.62	59.66	29.25
catia-02	78.25	70.34	70.08	66.88	68.40	48.72	62.60	40.54
ensight-03	112.78	59.47	56.80	52.90	54.36	31.02	45.37	23.46
maya-02	435.65	243.73	237.36	214.47	224.23	135.23	182.04	73.43
proe-04	57.07	55.48	56.69	55.11	55.29	41.61	53.93	31.96
sw-01	103.63	102.98	102.70	102.89	101.63	60.26	87.21	44.04
tcvis-01	80.89	40.47	40.04	34.95	35.61	18.28	23.71	9.09
ugnx-01	89.33	37.80	37.59	31.98	34.62	19.83	23.22	8.90
SPECIFICATIONS								
Bus architecture	PCI Express X16	PCI Express X16	PCI Express X16	PCI Express X16	PCI Express X16	PCI Express X16	PCI Express X16	PCI Express X16
Extra power req'd	Yes	Yes	Yes	Yes	No	No	No	No
Form factor	4.38"x9.75"	4.36"x10.5"	4.38"x9.0"	4.38"x9.0"	4.38"x7.8"	4.38"x6.6"	4.38"x6.75"	4.38"x6.6"
Slots used	2	2	1	1	1	1	1	1
Max Power (watts)	152W	150W	108W	78W	59W	42W	40W	38W
PCIe version	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Length	3/4-length	3/4-length	2/3-length	2/3-length	2/3-length	half-length	half-length	half-length
Processors	352	192	192	112	64	32	32	16
Memory configuration	2.5GB (GDDR5)	1.5GB (GDDR3)	1GB (GDDR3)	512MB (GDDR3)	768MB (GDDR3)	512MB (DDR2)	512MB (GDDR3)	256MB (DDR2)
Memory interface	320-bit	384-bit	256-bit	256-bit	192-bit	128-bit	128-bit	128-bit
Memory bandwidth	120 GB/sec	76.8 GB/sec	51.2 GB/sec	51.2 GB/sec	38.4 GB/sec	12.8 GB/sec	25.6 GB/sec	12.8 GB/sec
Number of Dual-Link DVI Outputs	1	1	1	2	1	2	1	2
Number of Display Port Outputs	2	2	2	0	2	0	2	0
Stereo 3D Connector (3-pin)	Yes	Yes	Yes (1)	Yes	No	No	No	No
Framelock/Genlock	Yes (2)	Yes (2)	No	No	No	No	No	No
SLI	Yes	Yes	Yes	Yes	No	No	No	No
OpenGL version	4.0	3.0	3.1	2.1	3.0	2.1	3.0	2.1
DirectX/Shader Model	11/5.0	10.0/4.0	10.0/4.0	10.0/4.0	10.0/4.0	10.0/4.0	10.0/4.0	10.0/4.0
"Maximum Resolution Support (@ 60 Hz)"	2560x1600	2560x1600	2560x1600	2560x1600	2560x1600	2560x1600	2560x1600	2560x1600

Notes:

1. Requires optional 3-pin Mini-DIN bracket

2. Requires optional G-Sync option card