

# GRAPHICS CARDS

## REVIEW

### BENCHMARKING THE NVIDIA QUADRO FX 5600

	NVIDIA Quadro FX 5600	NVIDIA Quadro FX 4600	NVIDIA Quadro FX 5500	NVIDIA Quadro FX 4500	NVIDIA Quadro FX 3500	NVIDIA Quadro FX 1500	NVIDIA Quadro FX 560	NVIDIA Quadro FX 550	NVIDIA Quadro FX 350
	NEW!	NEW!							
Announced	3/6/07	2/16/07	4/21/06	7/29/05	4/21/06	4/21/06	4/21/06	4/21/06	4/21/06
Manufacturer's price	\$2,999.00	\$2,399.00	\$2,999.00	\$2,299.00	\$1,599.00	\$699.00	\$299.00	\$279.00	\$199.00
Average street price	\$2,899.00	\$2,049.00	\$2,573.00	\$1,623.00	\$928.00	\$490.00	\$234.00	\$197.00	\$175.00
SPECviewperf 8.1									
3dsmax-03	40.07	40.24	41.18	40.03	39.91	38.28	36.25	31.27	25.61
catia-01	34.03	33.54	32.56	31.40	31.45	30.61	30.45	25.73	21.84
ensight-01	66.49	59.62	40.61	36.03	35.55	31.46	26.33	20.55	15.29
light-07	25.01	25.11	26.03	24.83	24.86	24.88	24.88	24.34	20.59
maya-01	49.86	49.73	49.40	48.77	48.91	49.29	48.99	49.12	48.47
proe-03	72.91	70.66	73.75	65.55	66.14	58.42	52.64	37.90	33.97
sw-01	57.92	58.56	47.73	40.98	39.26	32.93	29.47	22.01	20.20
ugs-04	106.20	88.64	72.89	55.39	54.82	40.42	32.61	19.23	14.44
SPECviewperf 9.0									
3dsmax-04	20.01	20.35							
catia-02	27.01	26.42							
ensight-03	37.72	33.75							
light-08	20.52	20.54							
maya-02	129.40	126.77							
proe-04	29.95	29.20							
sw-01	54.30	55.35							
tcvis-01	26.00	22.17							
ugnx-01	31.12	25.21							
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	PCI Express X16
Extra power req'd	Yes (2)	Yes	Yes	Yes	Yes	No	No	No	No
Slots used	2	2	2	2	1	1	1	1	1
Max Power (watts)	171W	134W	96W	108W	80W	65W	30W	25W	21W
Length	full-length	2/3-length	2/3-length	2/3-length	2/3-length	half-length	half-length	half-length	half-length
Transistors	681 million	681 million	278 million	302 million	278 million	278 million	178 million	146 million	112 million
Memory configuration	1.5GB (GDDR3)	768MB (GDDR3)	1GB (GDDR2)	512MB (GDDR3)	256MB (GDDR3)	256MB (GDDR3)	128 MB (GDDR3)	128 MB (GDDR3)	128MB (DDR2)
Memory interface	384-bit	384-bit	256-bit	256-bit	256-bit	256-bit	128-bit	128-bit	64-bit
Memory bandwidth	76.8 GB/sec	67.2 GB/sec	33.6 GB/sec	41.6 GB/sec	41.6 GB/sec	40.0 GB/sec	19.2 GB/sec	12.8 GB/sec	6.48 GB/sec
Dual Screen Support	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + DVI-I	DVI-I + VGA
Dual Link DVI Port	Yes (2)	Yes (2)	Yes (2)	Yes (2)	Yes (2)	Yes (2)	Yes (1)	No	No
HD component video	No	No	No	No	No	Yes	Yes	No	No
Stereo 3D Support	Yes	Yes	Yes	Yes	Yes	No	No	No	No
SLI	Yes	Yes	Yes	Yes	Yes	No	No	No	No
OpenGL	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
DirectX/Shader Model	10.0/4.0	10.0/4.0	9.0c/3.0	9.0c/3.0	9.0c/3.0	9.0c/3.0	9.0c/3.0	9.0c/3.0	9.0c/3.0
Max analog resolution	2048×1536	2048×1536	2048×1536	2048×1536	2048×1536	2048×1536	2048×1536	2048×1536	2048×1536
Max digital resolution	2560×1600	2560×1600	2560×1600	2560×1600	2560×1600	2560×1600	2560×1600	1920×1200	1920×1200
Max Resolution dual link	3840×2400 @24/41 Hz	3840×2400 @24/41 Hz	3840×2400 @24/41 Hz	3840×2400 @24/41 Hz	3840×2400 @24/41 Hz	3840×2400 @24/41 Hz	3840×2400 @24 Hz	n/a	n/a