

NVIDIA Quadro by PNY	Entry			Mid-Range		High-End		Ultra High-End	Specialty Products		
Board Features	FX 330	FX 540	FX 540 PVE	FX 1300	FX 1400	FX 3400	FX 3450	FX 4500	FX 4500G	FX 4000 SDI	FX 4500 SDI
Memory Size	64MB	128MB	128MB	128MB	128MB	256MB	256MB	512MB	512MB	256MB	512MB
Memory Type	DDR	DDR	DDR	DDR	DDR	GDDR3	GDDR3	GDDR3	GDDR3	DDR3	GDDR3
Memory Interface	64-bit	128-bit	128-bit	256-bit	256-bit	256-bit	256-bit	256-bit	256-bit	256-bit	256-bit
Memory Bandwidth	3.2GB/sec.	8.8GB/sec.	8.8GB/sec.	17.6GB/sec.	19.2GB/sec.	27.2GB/sec.	32GB/sec.	33.6GB/sec.	33.6GB/sec.	32GB/sec.	33.6GB/sec.
Display Connectors	2 DVI-I or VGA	2 DVI-I + VGA	DVI-I + VGA + HDTV	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + 2xSDI	DVI-I + DVI-I + 2xSDI
Max Power Consumption	21W	35W	35W	59W	75W	101W	83W	109W	112W	85W	116W
Shader Model	2.0	3.0	3.0	2.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Dual-Link DVI	-	-	-	-	-	Yes (1)	Yes (1)	Yes (2)	Yes (2)	Yes (1)	Yes (2)
SLI Support	-	-	-	-	Yes	Yes	Yes	Yes	Yes	-	Yes
HD Component Video	-	-	Yes*	-	-	-	-	-	-	-	-
SDI HD Video	-	-	-	-	-	-	-	-	-	Yes	Yes
Genlock/Framelock	-	-	-	-	-	-	-	-	Yes	Genlock	Genlock
3D Primitive Performance											
Geometry (Triangles/Second)	42 Million	55 Million	55 Million	88 Million	117 Million	117 Million	150 Million	181 Million	181 Million	150 Million	181 Million
Fill Rate (Texels/Second)	1.0 Billion	1.2 Billion	1.2 Billion	2.8 Billion	2.8 Billion	4.2 Billion	5.1 Billion	10.8 Billion	10.8 Billion	5.1 Billion	10.8 Billion
Relative Application Performance**											
SPEC UGS-04	4.99	15.65	15.65	17.75	29.36	34.98	38.3	55.05	55.05	38.3	55.05
SPEC PROE-03	12.69	33.77	33.77	38.69	51.27	52.28	58.22	65.7	65.7	58.22	65.7
SPEC SW-01	6.65	18.56	18.56	13.69	27.5	27.79	30.55	39.22	39.22	30.55	39.22
SPEC 3DSMAX-03	6.66	26.08	26.08	25.58	35.61	35.92	38.17	40.98	40.98	38.17	40.98

* NVIDIA Quadro FX 540 by PNY Professional Video Edition includes Professional Breakout Box with HD component BNC connectors

** SPECviewperf 8.1: For more information visit www.spec.org, tested on a 3.6GHz Pentium 4, driver release 77.32