



## NUOVE SCHEDE VIDEO NVIDIA QUADRO FX BY PNY TECHNOLOGIES



NVIDIA Quadro by PNY	Entry				Mid-Range		High-End	Ultra High-End		Specialty Products	
Board Features	FX 350	FX 550	FX 560	FX 560 PVE	FX 1500	FX 1500 PVE	FX 3500	FX 4500 X2	FX 5500	FX 5500G	FX 5500 SDI
Disponibilità	aprile 2006	aprile 2006	aprile 2006	aprile 2006	aprile 2006	aprile 2006	aprile 2006	guigno 2006	guigno 2006	guigno 2006	guigno 2006
Memory Size (per GPU)	128MB	128MB	128MB	128MB	256MB	256MB	256MB	512MB per GPU	1024MB	1024MB	1024MB
Memory Type	DDR2	GDDR3	GDDR3	GDDR3	GDDR3	GDDR3	GDDR3	GDDR3	GDDR2	GDDR2	GDDR2
Memory Interface	64-bit	128-bit	128-bit	128-bit	256-bit	256-bit	256-bit	256-bit	256-bit	256-bit	256-bit
Memory Bandwidth	6.48GB/sec.	12.2GB/sec.	19.2 GB/sec.	19.2 GB/sec.	40.0GB/sec.	40.0GB/sec.	42.2GB/sec.	33.6GB/sec.	33.6GB/sec.	33.6GB/sec.	33.6GB/sec.
Max Power Consumption	21W	25W	30W	30W	65W	65W	80W	145W	96W	100W	104W
Number of Slots	1	1	1	1	1	1	1	2	2	3	3
Display Connectors	DVI-I + VGA	DVI-I + DVI-I	DVI-I + DVI-I + HD	DVI-I + DVI-I + HD	DVI-I + DVI-I + HD	DVI-I + DVI-I + HD	DVI-I + DVI-I + Stereo	4 X DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + Stereo	DVI-I + DVI-I + 2xSDI
Dual-Link DVI	-	-	Yes, 1	Yes, 1	Yes, 2	Yes, 2	Yes (2)	Yes (4)	Yes (2)	Yes (2)	Yes (2)
OpenGL	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Shader Model	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
DirectX	9.0c	9.0c	9.0c	9.0c	9.0c	9.0c	9.0c	9.0c	9.0c	9.0c	9.0c
SLI Frame Rendering Support	-	-	-	-	-	-	Yes	Yes, Integrated	Yes	No	No
Genlock/Framelock	-	-	-	-	-	-	-	Optional***	-	Genlock and Frame Lock	Genlock
HD Component Video	-	-	Optional*	Yes**	Optional*	Yes**	-	-	-	-	-
SDI HD Video	-	-	-	-	-	-	-	-	-	-	Yes
<b>3D Primitive Performance</b>											
Geometry (Triangles/Second)	55 Million	66 Million	140 Million	140 Million	144 Million	144 Million	174 Million	208 Million	225 Million	225 Million	225 Million
Fill Rate (Texels/Second)	1.2 Billion	1.4 Billion	2.8 Billion	2.8 Billion	6.0 Billion	6.0 Billion	9.4 Billion	12.0 Billion	15.6 Billion	15.6 Billion	15.6 Billion
<b>Relative Application Performance****</b>											
3dsmax-03	26,45	32,83	39,24	39,24	41,99	41,99	44,08	53,91	45,03	45,03	45,03
catia-01	22,41	27,26	33,94	33,94	34,24	34,24	38,86	38,64	36,04	36,04	36,04
ensight-02	15,75	21,20	29,91	29,91	32,69	32,69	36,90	66,31	39,86	39,86	39,86
light-07	22,02	26,67	27,85	27,85	27,94	27,94	27,79	33,77	27,86	27,86	27,86
maya-01	53,23	55,79	55,88	55,88	55,70	55,70	55,83	72,96	55,74	55,74	55,74
proe-03	33,08	39,13	55,60	55,60	62,41	62,41	71,17	71,60	79,50	79,50	79,50
sw-01	20,55	22,68	31,43	31,43	34,25	34,25	42,02	50,34	51,46	51,46	51,46
ugs-04	14,63	19,13	34,11	34,11	40,43	40,43	54,83	115,70	71,81	71,81	71,81

\* Professional Video Breakout Box required, order PNYPN 91004186-T

\*\* NVIDIA Quadro FX 540, FX 560, and FX 1500 by PNY Professional Video Edition includes Professional Breakout Box with HD component BNC connectors

\*\*\* G-Sync option card required, order PNYPN VCQFXGSYNC-PB

\*\*\*\* SPECviewperf 8.1: For more information visit [www.spec.org](http://www.spec.org), tested on a 3.8GHz Pentium 4, driver release 84.26