



PNY QUADRO FX SPECIALITIES powered by NVIDIA



Product name	Video Editing			Broadcast		
	PNY Quadro FX 560 Professional Video Edition	PNY Quadro FX 1500 Professional Video Edition	PNY Quadro FX 1700 Professional Video Edition	PNY Quadro FX 4600 SDI	PNY Quadro FX 5500 SDI	PNY Quadro FX 5600 SDI
Chip & design	NVIDIA Quadro FX 560 (P456)	NVIDIA Quadro FX 1500 (P455)	NVIDIA Quadro FX 1700 (P588)	NVIDIA Quadro FX 4600 (P356 + P359)	NVIDIA Quadro FX 5500 (P490 + P209)	NVIDIA Quadro FX 5600 (P357 + P359)
Bus Connector	PCI-Express x16	PCI-Express x16	PCI-Express x16	PCI-Express x16 + PCI-Express or PCI	PCI-Express x16 + PCI-Express or PCI	PCI-Express x16 + PCI-Express or PCI
PCI-E Bandwidth	8 GB/s (4 GB/s each direction)	8 GB/s (4 GB/s each direction)	16 GB/s (8GB/s x2)	8 GB/s (4 GB/s each direction)	8 GB/s (4 GB/s each direction)	8 GB/s (4 GB/s each direction)
GPU NVIDIA Quadro	G73GL	G71GL	G84-875	G80GL	G71GL	G80GL
Core Clock	350 MHz	325 MHz	460 MHz	500MHz	650 MHz	600MHz
Frame Buffer	128 MB	256 MB	512MB	768 MB	1 GB	1,5 GB
Memory Interface	128 bit	256bit	128 bit	384bit	256bit	384bit
Memory Type	GDDR3 SDRAM	GDDR3 SDRAM	DDR2 SDRAM	GDDR3 SDRAM	GDDR-2 SDRAM	GDDR3 SDRAM
Memory Clock	300 (600) MHz	625 (1250) MHz	400 (800) MHz	600 (1200) MHz	500 (1000) MHz	800 (1600) MHz
Memory Bandwidth	19.2 GB/s	40 GB/s	12.8 GB/s	67.2 GB/s	33.6 GB/s	76.8 GB/s
RAMDAC	Dual 400 MHz	Dual 400 MHz	Dual 400 MHz	Dual 400 MHz	Dual 400 MHz	Dual 400 MHz
Power consumption	30 W	65 W	42 W	154 W (134 + 20)	102 W	191 W (171 + 20)
PCI Express Power Connector	-	-	-	2	2	3
Outputs	2 x DVI-I, 1x HDTV	2 x DVI-I, 1x HDTV	2 x DVI-I, 1x HDTV	DVI-I, 3D Stereo, 2 SDI Channels (BNC): 2 fill or 1 fill, 1 Key	DVI-I, 3D Stereo, 2 x SDI Channels : 2xfill or 1xfill, 1xkey	DVI-I, 3D Stereo, 2 SDI Channels (BNC): 2 fill or 1 fill, 1 Key
Max Displays / Card	2	2	2	2	2	2
Dual-Link DVI-I outputs	1	2	2	1	1	1
Adapters (Included)	2x DVI-I to VGA	2x DVI-I to VGA	2x DVI-I to VGA	1x DVI-I to VGA	1x DVI-I to VGA	1x DVI-I to VGA
HDTV Output	HD Component BNC connectors Composite connectors S-Video connector	HD Component BNC connectors Composite connectors S-Video connector	HD Component BNC connectors Composite connectors S-Video connector	Uncompressed 8-,10-,12-bit SDI output	Uncompressed 8-,10-,12-bit SDI output	Uncompressed 8-,10-,12-bit SDI output
HDCP Support	-	-	Yes	Yes	-	Yes
Stereo connector	-	-	-	3 pin mini DIN	3 pin mini DIN	3 pin mini DIN
Genlock / Framelock	-	-	-	BNC (1) – Analog or Digital Genlock	Yes / No	BNC (1) – Analog or Digital Genlock
2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D	2D/3D
2D/3D max resolution analog	2048x1536 @ 85 Hz	2048x1536 @ 85 Hz	2048x1536 @ 85 Hz	2048x1536 @ 85 Hz	2048x1536 @ 85 Hz	2048x1536 @ 85 Hz
2D/3D max resolution digital	1900x1200 @ 60Hz Single Link 2560x1600 @ 60Hz Dual Link	2560x1600 @ 60Hz	2560x1600 @ 60Hz	3840 x 2400 @ 24Hz	2560x1600 @ 60Hz	3840 x 2400 @ 24Hz
Full-Scene Antialiasing max. (FSAA)	8x	8x	32x	32x	16x	32x
C-Programming Environment - CUDA	-	-	Yes	Yes	-	Yes
OpenGL	2.0	2.0	2.1	2.1	2.0	2.1
Shader Model	3.0	3.0	4.0	4.0	3.0	4.0
DirectX	9.0c	9.0c	10.0	10.0	9.0c	10.0
SLI frame rendering	-	-	-	Yes	Yes	Yes
NVIDIA PureVideo Technology	Yes	Yes	Yes	Yes	Yes	Yes
Number of Slots	1	1	1	3	3	3
Physical dimensions	17,24cm x 11,12cm (6,8" x 4,376")	19,81cm x 11,12cm (7,8" x 4,376")	16,76cm x 11,12cm (6,6" x 4,376")	22,87cm x 11,12cm (9" x 4,376")	22,87cm x 11,12cm (9" x 4,376")	31,20cm x 11,12cm (12,283" x 4,376")
Universal Driver	Yes	Yes	Yes	Yes	Yes	Yes
Cooling System	Fan sink (active) 12Volt 23 dB	Fan sink (active) 12 Volt 45 dB	Fan sink (active) 12Volt DC 29 dB	Fan sink (active) 12 Volt DC 31,5 dB	Fan sink (active) 12 Volt 37 dB	Fan sink (active) 12 Volt DC 31,5 dB
Guarantee	3 years	3 years	3 years	3 years	3 years	3 years
Geometry (Triangles per Sec.)	126 Million	144 Million	191 Million	250 Million	225 Million	300 Million
Fill Rate (Texels per Sec.)	2,8 Billion	6,0 Billion	7.4 Billion	12,0 Billion	15,6 Billion	19,2 Billion
Article No. Retail	VCQFX560-PCIE-PB-V	VCQFX1500-PCIE-PB-V	VCQFX1700-PCIE-PB-V	VCQFX4600SDI-PCIE-PB	VCQFX5500SDI-PCIE-PB	VCQFX5600SDI-PCIE-PB
EAN code	3536403331153	3536403331177	353640333232	3536403333850	3536403331207	3536403333867
Article No. 10 pack Bulk	VCQFX560-PCIEBLK-1-V	VCQFX1500-PCIEBLK-1-V	VCQFX1700PCIEBLK-1-V	-	-	-

Features and specifications are subject to change without notice.