



VCNVS300X16DP-PB
 VCNVS300X1DP-PB
 VCNVS300X16-PB
 VCNVS300X1-PB

NVIDIA® NVS 300 by PNY Technologies®

Dual Display Versatility, Designed for Small Spaces

Designed for desktop and small form factor systems, the NVIDIA NVS 300 by PNY dual display professional graphics board meets stringent performance and reliability requirements, is ideal for 2D professional business applications in multi-monitor environments, and is available for either x16 PCIe or x1 PCIe expansion slots.

NVIDIA NVS 300 by PNY Package Includes:

- NVIDIA NVS 300 by PNY graphics board
- Full height bracket (attached to card)
- Low profile bracket (unattached)
- DMS-59 to dual DisplayPort adapter cable (PNs VCNVS300X16DP-PB or VCNVS300X1DP-PB)
- DMS-59 to dual DVI adapter cable and two DVI to VGA adapters (PNs VCNVS300X16-PB or VCNVS300X1-PB)
- Driver CD for Windows 7, Vista, XP (32-bit and 64-bit)
- QuickStart Guide (printed)
- Installation Guide (PDF)

PNY Advantage:

- 3 year warranty
- Support for NVIDIA NVS 300 by PNY in all system brands
- Pre-and post sales assistance
- Toll-free professional technical support
- Dedicated Field Application Engineers

PNY provides unsurpassed service and commitment to its professional graphics customers. In addition, PNY delivers a complete solution including the appropriate adapters, cables, brackets, driver CD and documentation to ensure a quick and successful install.



Product Specifications:

CUDA parallel processor cores	16
Memory	512MB GDDR3
Memory interface	64-bit
Memory bandwidth	12.6GB/s
Physical dimensions	SFF profile, 2.731" H x 5.7" L
Maximum power consumption	15.1W
Graphics bus	PCI Express Gen 2 x16 or x1
Display connectors	DMS-59
Number of displays supported	2
Display options	DisplayPort or DVI SL (2)
Maximum DisplayPort resolution	2560 x 1600 @ 60Hz
Maximum DVI resolution	1920 x 1200 @ 60Hz
Maximum Analog Resolution	2048 x 1536 @ 85Hz
Support for	Microsoft Windows 7 or Vista (32- or 64-bit any edition), XP (32- or 64-bit), or Linux
Warranty	3 Year Warranty
Thermal solution	Passive heatsink
PNY part number x16 DP	VCNVS300X16DP-PB
PNY part number x1 DP	VCNVS300X1DP-PB
PNY part number x16 DVI & VGA	VCNVS300X16-PB
PNY part number x1 DVI & VGA	VCNVS300X1-PB



For more information visit: www.pny.com/quadro



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NVIDIA® Quadro® by PNY

Professional Solutions. Professional Support.

Quadro Ultra High End	Part No.	GPU Memory	Memory Interface	CUDA Cores	Dimensions	Power & Thermal	Display Connectors	Max. Displays	HD-SDI Versions ⁵	G-Sync Versions ⁶	ECC	High Performance Double Precision
Quadro 6000 NEW!	VCQ6000-PB	6GB GDDR5	384-bit	448	FH ¹ x 9.75"	204W - Active	DVI DL, DP (2) ²	2	✓	✓	✓	✓
Quadro FX 5800	VCQFX5800-PCIE-PB	4GB GDDR3	512-bit	240	FH x 10.5"	189W - Active	DVI DL (2), DP	2	✓	✓		
Quadro 5000 NEW!	VCQ5000-PB	2.5GB GDDR5	320-bit	352	FH x 9.75"	152W - Active	DVI DL, DP (2)	2	✓	✓	✓	✓
Quadro FX 4800	VCQFX4800-PCIE-PB	1.5GB GDDR3	384-bit	192	FH x 10.5"	146W - Active	DVI DL, DP (2)	2	✓	✓		
QUADRO FX FOR MAC												
Quadro 4000 for Mac NEW!	VCQ4000MAC-PB	2GB GDDR5	256-bit	256	FH x 9.5"	142W - Active	DVI DL, DP	2				✓
Quadro FX 4800 for MAC	VCQFX4800MACX16-PB	1.5GB GDDR3	384-bit	192	FH x 10.5"	150W - Active	DVI DL (2)	2				
QUADRO FX HIGH END												
Quadro 4000 NEW!	VCQ4000-PB	2GB GDDR5	256-bit	256	FH x 9.5"	142W - Active	DVI DL, DP (2)	2	✓			✓
Quadro FX 3800	VCQFX3800-PCIE-PB	1GB GDDR3	256-bit	192	FH x 7.8"	107W - Active	DVI DL, DP (2)	2	✓			
QUADRO FX MID RANGE												
Quadro 2000 NEW!	VCQ2000-PB	1GB GDDR5	128-bit	192	FH x 7.0"	62W - Active	DVI DL, DP (2)	2				
Quadro FX 1800	VCQFX1800-PCIE-PB	768MB GDDR3	192-bit	64	FH x 7.8"	59W - Active	DVI DL, DP (2)	2				
QUADRO FX ENTRY LEVEL												
Quadro 600 NEW!	VCQ600-PB	1GB GDDR3	128-bit	96	LP ³ x 6.60"	40W - Active	DVI DL, DP	2				
Quadro FX 580	VCQFX580-PCIE-PB	512MB GDDR3	128-bit	32	FH x 6.60"	40W - Active	DVI DL, DP (2)	2				
Quadro FX 380	VCQFX380-PCIE-PB	256MB GDDR3	128-bit	16	FH x 6.60"	34W - Active	DVI DL (2)	2				
Quadro FX 380 LP	VCQFX380LP-PCIE-PB	512MB GDDR3	64-bit	16	LP ³ x 6.60"	28W - Active	DVI DL, DP	2				
Quadro FX 370 LP	VCQFX370LP-PCIE-PB	256MB GDDR2	64-bit	8	LP ³ x 6.60"	25W - Passive	DMS-59	2				
NVS DUAL MONITOR												
NVIDIA NVS 300 x16 for DisplayPort	VCNVS300X16DP-PB	512MB DDR3	64-bit	16	LP ³ x 5.70"	17.5W - Passive	DMS-59	2				
NVIDIA NVS 300 x1 for DisplayPort	VCNVS300X1DP-PB	512MB DDR3	64-bit	16	LP ³ x 5.70"	15.1W - Passive	DMS-59	2				
NVIDIA NVS 300 x16 for DVI and VGA	VCNVS300X16-PB	512MB DDR3	64-bit	16	LP ³ x 5.70"	17.5W - Passive	DMS-59	2				
NVIDIA NVS 300 x1 for DVI and VGA	VCNVS300X1-PB	512MB DDR3	64-bit	16	LP ³ x 5.70"	15.1W - Passive	DMS-59	2				
QUADRO NVS DUAL MONITOR												
Quadro NVS 290 x16	VCQ290NVS-PCIEX16-PB	256MB GDDR2	64-bit	16	LP ³ x 6.60"	21W - Passive	DMS-59	2				
Quadro NVS 290 x1	VCQ290NVS-PCIEX1-PB	256MB GDDR2	64-bit	16	LP ³ x 6.60"	21W - Passive	DMS-59	2				
Quadro NVS 295 x16 for DisplayPort	VCQ295NVS-X16-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP (2)	2				
Quadro NVS 295 x16 for DVI	VCQ295NVS-X16-DVI-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP to DVI (2)	2				
Quadro NVS 295 x1 for DisplayPort	VCQ295NVS-X1-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP (2)	2				
Quadro NVS 295 x1 for DVI	VCQ295NVS-X1-DVI-PB	256MB GDDR3	64-bit	8	LP ³ x 6.60"	23W - Passive	DP to DVI (2)	2				
QUADRO NVS QUAD MONITOR												
Quadro NVS 420 x16 for DisplayPort	VCQ420NVS-X16-DP-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 420 x16 for DVI	VCQ420NVS-X16-DVI-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 420 x1 for DisplayPort	VCQ420NVS-X1-DP-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 420 x1 for DVI	VCQ420NVS-X1-DVI-PB	512MB GDDR3 ⁴	128-bit	16	LP ³ x 6.60"	40W - Active	VHDCI (1)	4				
Quadro NVS 450 x16 for DisplayPort	VCQ450NVS-X16-PB	512MB GDDR3 ⁴	128-bit	16	FH x 6.60"	35W - Passive	DP (4)	4				
Quadro NVS 450 x16 for DVI	VCQ450NVS-X16-DVI-PB	512MB GDDR3 ⁴	128-bit	16	FH x 6.60"	35W - Passive	DP to DVI (4)	4				

¹ FH = Full Height ATX, 4.376"

² DP = DisplayPort; NVIDIA certified DP to VGA adapters are available from PNY

³ LP = Low Profile, 2.731"; Full Height bracket also supplied

⁴ 512MB total frame buffer (256MB GDDR3 memory per GPU)

⁵ NVIDIA Quadro by PNY models available as HD SDI versions

⁶ NVIDIA Quadro by PNY models available as G-Sync versions