QuickSpecs

Overview

Models

NVIDIA Quadro NVS 285 (128MB DH) PCIe Graphics Card – for Desktops and Workstations	RD069AA
HP DMS59 DVI Dual-head Connector Cable	DL139A

Introduction

The NVIDIA Quadro NVS 285 (128 MB DH) PCIe Graphics Controller is a low profile, dual-head graphics card delivering next-generation multi-display capabilities to professional 2D applications.

If you require a graphics card for use with desktops in a telesales-center environment, or frequently analyze spreadsheets requiring the flexibility of dual-monitor displays the NVIDIA Quadro NVS 285 (128 MB DH) PCIe Graphics Card is the ideal solution for you. For workstation users, it is tested for compatibility with all major financial, non-linear editing (NLE), and electronic design automation (EDA) applications.

Easily installed with a setup wizard, this controller integrates seamlessly with the Microsoft Windows environment. nView - NVIDIAs multi-display software, lets you fully operate on dual displays and create up to 32 individual desktops.

The NVS 285 includes of 128MB graphics memory. NVIDIA recommends a minimum system memory configuration of 256MB.

NOTE: Graphics cards use part of the total system memory (RAM) for graphics performance. System memory dedicated to graphics performance is not available for other use by other programs

Key Benefits

- View your work on two monitors with nView multi-display software and create up to 32 individual desktops
- Includes 128 MB of graphics memory.
- Delivers crystal-clear images via dual 350-MHz RAMDACs
- Supports the latest flat-panel displays, dual analog or digital displays
- Easy to install

Compatibility

Desktops: The NVIDIA Quadro NVS 285 (128 MB DH) PCIe Graphics Card is compatible with the HP Business Desktop dx7300 and dc7700 series PCs.

Workstations: The NVIDIA Quadro NVS 285 (128 MB DH) PCIe Graphics Card is compatible with the HP xw4400 Workstation, HP xw6400 Workstation, HP xw8400 Workstation, and HP xw9400 Workstation.

NOTE: For customers who do not already have a PCIe Riser board installed in their dc7700 USDT for PCIe support, (EU054AA) USDT PCIe Riser Board AMO kit must be ordered for PCIe card support. The NVIDIA Quadro NVS 285 (128 MB DH) PCIe Graphics Card does not support Dual-link capable monitors (30" or higher LCD monitors)

Service and Support

Your Option Limited Warranty is a one (1) year (HP Option Limited Warranty Period) parts replacement warranty on any HP-branded or Compaq-branded options (HP Options). If your HP Option is installed in an HP Hardware Product, HP may provide warranty service either for the HP Option Limited Warranty Period or the remaining Limited Warranty Period of the HP Hardware Product in which the HP Option is being installed, whichever period is the longer but not to exceed three (3) years from the date you purchased the HP Option.

Technical Specifications

Form Factor	NVIDIA Quadro NVS 285 128MB PCIe Dual Head Low profile, both ATX and low profile brackets included
Graphics Controller	Integrated Quadro 285 2D graphics processor unit (GPU)
Bus Type	PCI-Express
Memory	128 MB DDR (64 MB local frame buffer plus 64 MB of system memory via TurboCache)
Connector	Single high-density DMS-59 Flex Connector
Dimensions	Low-profile, 2.586 x 6.6 in (6.57 x 16.76 cm)
Multi-monitor support	Dual analog or digital monitors
RAMDAC	Dual 350 MHz (integrated)
Maximum pixel clock	350 MHz
Overlay planes	One 16-bit Video overlay plane
High-definition Video Processor (HDVP)	Full screen, full frame video playback of HDTV and DVD content DVD-ready motion compensation for MPEG-2 Independent hardware color controls for video overlay Hardware color-space conversion (YUV 4:2:2 and 4:2:0) IDCT motion compensation 5-tap horizontal by 3-tap vertical filtering 8:1 up/down scaling
Available graphics drivers	Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32*(Provides full native Dual View mode, Span or Big Desktop mode, and Clone mode). No driver is required for this device. Native support is provided by the operating system. * Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit http://www.windowsvista.com/upgradeadvisor. For Windows Vista system requirements, visit http://www.windowsvista.com/systemrequirements. HP qualified drivers may be preloaded or available from the HP support Web site: http://www.hp.com/country/us/en/support.html?pageDisplay=drivers

Analog Resolution	Maximum Refresh Rate
640 x 480	240 Hz
800 x 600	240 Hz
1024 x 768	240 Hz
1152 x 864	170 Hz
1280 x 1024	150 Hz
1600 x 1200	100 Hz
1920 x 1080	85 Hz
1920 x 1200	85 Hz
1920 x 1440	75 Hz
2048 x 1536	60 Hz

Digital Resolution	Maximum Refresh Rate
640 x 480	75 Hz
800 x 600	75 Hz
1024 x 768	75 Hz
1152 x 864	60 Hz
1280 x 1024	60 Hz

Technical Specifications

	1600 x 1200	60 Hz
	1900 x 1200	60 Hz
Option kit Contents	NVIDIA Quadro NVS 285 (128 MB DH) PCIe Graphics Card with full height bracket attached, DMS 59 to dual DVI Y cable, DMS 59 to dual VGA Y cable, low profile bracket, Workstation Software Driver CD, Desktop Software Driver CD, documentation.	