
Overview

NVIDIA Quadro NVS 290 (256 MB DH) PCIe Graphics Board

Models

NVIDIA Quadro® NVS 290 (256 MB DH) PCIe Graphics Board with 'DMS-59 to Dual DVI cable' included – for Workstations	GN502AA
HP 'DMS-59 to Dual VGA' Cable Kit	GS567AA

Introduction

The NVIDIA Quadro NVS 290 (256 MB Dual Head) PCIe Graphics card is a low profile, dual-head graphics card delivering next-generation multi-display capabilities to professional 2D applications.

NVIDIA Quadro NVS 290 dual-display business graphics solution delivers a reliable platform for a stable environment. Featuring optimized GPU performance and built for Microsoft® Vista® Premium, Quadro NVS 290 offers compatibility with industry-leading business applications. With NVIDIA® nView™* display technology*, business professionals leverage advanced display features. Quadro NVS 290 offers superb image quality to meet the needs of today's demanding business user.

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

The NVS 290 includes 256 MB of graphics memory.

* NVIDIA nView™ will be available for Microsoft® Vista® Spring 2008.

Key Benefits

- View your work on two monitors with nView multi-display software and create up to 32 individual desktops
 - Includes 256 MB of graphics memory.
 - Delivers crystal-clear images via dual 400-MHz RAMDACs
 - Easy to install
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Compatibility

Workstations: The NVIDIA Quadro NVS 290 (256 MB DH) PCIe Graphics Card is compatible with the HP xw4550, xw4600, xw6600 and xw8600 Workstations and the HP dc72 Blade Workstation Client.

The NVIDIA Quadro NVS 290 (256 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	Low Profile
Bus Type	PCIe x16
Memory	256 MB 400MHz DDR2 SDRAM unified frame buffer, Z-buffer and Texture storage
Connector	DMS-59, includes DMS-59 to Dual DVI cable. DMS-59 to Dual VGA cable available as an option.
Display resolution support	Dual integrated analog display controllers supporting up to two analog displays at 2048x1536 @85Hz on both displays or dual digital displays at 1920x1200 (single-link). NVIEW advanced multi-display desktop and application management seamlessly integrated into Microsoft® Windows®
RAMDAC	Integrated dual 400MHz
Color planes	32-bit color buffer
Overlay planes	Hardware supported
nView architecture	Advanced multi-display desktop & application management seamlessly integrated into Microsoft Windows.
Multi-Monitor support	Dual monitor support
DVI support	DMS-59 (to dual DVI-SL)
High-definition Video Processor (HVP)	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
Supported graphics APIs	OpenGL 2.1 & DX10 Support; Shader Model 4.0
Available graphics drivers	Genuine Windows Vista Business 32 and 64, Microsoft Windows XP (Provides full native Dual View mode, Span or Big Desktop mode, and Clone mode), Linux – Full Open GL implementation, complete with NVIDIA and ARB extensions. HP qualified drivers may be preloaded or available from the HP support Web site: http://welcome.hp.com/country/us/eng/software_drivers.html .
Option kit contents	NVIDIA Quadro NVS 290 (256 MB DH) PCIe Graphics Card with full height bracket attached, DMS-59 to Dual DVI cable, Workstation Software Driver CD, documentation.

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