

Overview

Models

NVIDIA Quadro NVS 440 256MB PCIe Graphics Card

Includes (2) DMS-59 to Dual VGA cables and (2) DMS-59 to Dual DVI cables.

PT453A

TBD

Introduction

The NVIDIA Quadro NVS 440 256MB PCI-Express quad-head graphics controller offers business professionals maximum screen real estate for the utmost in productivity. The new quad display solution powered by two state of the art Graphics Processing units (GPUs) is equipped with two high-density connectors, which supports up to four analog and/or digital displays allowing power users the ability to manage and display more data faster. The Quadro 440 NVS graphics card combined with NVIDIA's new multi-display software, nView, allows users to view their work on multiple displays and to create up to 32 individual desktops. Easily installed with a setup wizard, this controller integrates seamlessly with the Microsoft® Windows® environment. It is tested for compatibility with all major financial, non-linear editing (NLE), and electronic design automation (EDA) applications. It provides great flexibility for users who need support for 1 to 4 analog or digital displays. The Quadro NVS 440 Graphics Card promotes workstation productivity by delivering stability, high image quality, and fast performance. It's ideally suited for users that run the gamut from Wall Street financial traders to corporate video editors.

Performance & Features

The NVIDIA Quadro NVS 440 Graphics Card is optimized for professional 2D workstation configurations. It comes with enhanced, customized multi-display drivers, including nView multi-display desktop and application management software.

- Permits work to be viewed on one to four monitors with nView multi-display software
 - Dual 350-MHz RAMDACs deliver crystal-clear images
 - Dual TMDS transmitters support the latest flat-panel displays
 - Single high-density connector supports dual-analog or digital displays
 - Unified driver architecture (UDA) provides easy installation and manageability
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Compatibility

The NVIDIA Quadro NVS 440 Graphics Controller is supported on the following HP Personal Workstations: xw4600, xw6600, xw8600 and xw9400.

Service and Support

The NVIDIA Quadro NVS 440 Graphics Card has a one-year limited warranty or the remainder of the warranty of the HP product in which it is installed. Technical support is available seven days a week, 24 hours a day, by phone as well as in online support forms. Certain restrictions and exclusions apply

Technical Specifications

Form Factor	ATX
Graphics Controller	2 nv43 2D graphics processor units (GPUs)
Bus Type	PCI-E x16
Memory	256 MB DDR frame buffer and Texture storage (128MB per GPU)
Connectors	Two DMS-59
Maximum Resolution	Analog 2048 x 1536 @ 60 Hz Digital 1920 x 1200* @ 60 Hz <i>* Graphics card uses "reduced blanking" timing and may not work with all panels at this resolution.</i>
RAMDAC	Dual 350 MHz
Image Quality Features	32-bit color 2D rendering engine optimized for 32-, 24-, 16-, 15-, and 8-bpp modes Color planes: 32-bit color buffer Overlay planes: 1 16-bit Video overlay plane
Programmable Video Processor	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
Display Output	Up to 4 analog or digital monitors
Available Graphics Drivers	Microsoft Windows XP (Provides full native Dual View mode, Span or Big Desktop mode, and Clone mode) HP qualified drivers may be preloaded or available from the HP support Web site: http://welcome.hp.com/country/us/en/support.html

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