

Overview

NVIDIA Quadro NVS 200 Graphics Card

Models

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AA603A - Aftermarket Option kit includes: PCA with ATX bracket, SFF bracket, VGA pigtail cable and CD/Docs

AA845A - PCI version of NVIDIA Quadro NVS 200 Graphics Card kit for HP workstation xw6000 only

AA604A/DC157A - DVI pigtail cable upgrade kit

Introduction

The NVIDIA Quadro 200 NVS Graphics Controller is a low profile, dual-head graphics processing unit (GPU) that has a single, high-density connector. It provides 2D graphics. 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 either dual-analog or digital displays. NVIDIA's new multi-display software, nView, lets users view their work on dual displays and create up to 32 individual desktops. The Quadro 200 NVS Graphics Controller 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.

Key Benefits

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

The Quadro NVS 200 Graphics Card is optimized for workstation configurations. It comes with enhanced, customized multi-display drivers, including nView multi-display desktop and application management software.

Compatibility

The NVIDIA Quadro 200 NVS Graphics Controller is compatible with the Compaq Evo Desktop D510 Convertible Minitower or Small Form Factor and xw3100, xw4100, xw6000 and xw8000 workstations.

The PCI version of the NVIDIA Quadro 200 NVS Graphics Controller is compatible with the HP workstation xw6000 only.

Service and Support

The NVIDIA Quadro 200 NVS Graphics Controller 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 and SFF
Graphics Controller	Integrated Quadro2 EX 2-D/3-D 128-bit graphics processor unit (GPU)
VGA controller	Integrated into the Quadro GPU
Bus type	AGP 4X
RAMDAC	Dual 350 MHz
Memory	64MB SDR unified frame buffer, Z-buffer and Texture storage
Connector	Single High-density Flex Connector
Dimensions	Low-profile, 2.586 x 6.6 in (6.57 x 16.76 cm)
Controller clock speed	250 MHz
Color planes	32-bit color buffer
Overlay planes	1 16-bit Video overlay plane, software emulation for OpenGL overlay planes
Stencil planes	8-bit stencil buffer
Alpha planes	8-bit alpha buffer
Total bits/pixel	64
Maximum vertical refresh rate	120 Hz
Maximum pixel clock	350 MHz
Multi-monitor support	Dual analog or digital monitor
Single DVI Support	Yes
Dual DVI Support	Yes
nView Hardware	32-bit color
Architecture	2048 x 1536 @ 60 Hz maximum resolution
High-definition Video	2D rendering engine optimized for 32-, 24-, 16-, 15-, and 8-bpp modes
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	Microsoft Windows 2000 and Microsoft Windows XP HP qualified drivers may be preloaded or available from the HP support Web site: http://welcome.hp.com/country/us/eng/software_drivers.html . NOTE: This Web site is available in English only.

Resolution	Maximum Colors Supported	Maximum Refresh Rate
640 x 480	16.7 M	120 Hz
800 x 600	16.7 M	120 Hz
1024 x 768	16.7 M	120 Hz
1152 x 864	16.7 M	120 Hz
1280 x 1024	16.7 M	120 Hz
1600 x 1200	16.7 M	85 Hz
1920 x 1080	64 K	100 Hz
1920 x 1080	16.7 M	75 Hz
1920 x 1200	64 K	85 Hz
1920 x 1200	16.7 M	70 Hz
1920 x 1440	64 K	75 Hz
1920 x 1440	16.7 M	60 Hz
2048 x 1536	64	60 Hz

With digital flat panel monitors, the maximum digital resolution is 1280 x 1024 at 60 Hz with reduced blanking.

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