

Overview

Models

PCI version for use with HP Business Desktops.

DY599A

PCI version for use with HP Workstations

AA932A

DVI DMS-59 to dual DVI Y-cable cable Kit (Aftermarket option kit includes PCA with ATX bracket attached, low-profile bracket, DMS-59 dual-VGA Y-cable and CD/docs.)

DL139A

Introduction

The NVIDIA Quadro NVS 280 Graphics Controller is a low profile, dual-head graphics card. It provides professional 2D graphics with next-generation multi-display capabilities. Easily installed with a setup wizard, this controller integrates seamlessly with the Microsoft® Windows® environment. NVIDIA's multi-display software, nView, lets users fully operate on dual displays and create up to 32 individual desktops. The NVIDIA Quadro NVS 280 Graphics Controller delivers workstation graphics productivity with stability, high image quality, and fast performance.

The NVIDIA Quadro NVS 280 Graphics Controller is ideal for desktop users such as telesales-center representatives or advanced Excel spreadsheet analysts who require the flexibility of dual-monitor displays.

For workstation users, 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 dual analog or digital displays.

Key Benefits

- Permits work to be viewed on two 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

Performance

The NVIDIA Quadro NVS 280 Graphics Card is optimized for professional 2D Workstation and HP Business Desktop PC configurations. It comes with enhanced, customized multi-display drivers, including nView multi-display desktop and application management software.

Compatibility

The NVIDIA Quadro NVS 280 PCI Graphics Controller (DY599A) is compatible with the HP Business Desktop dc5000, dc5100, dc7100 and dc7600 series PCs (except ultra-slim desktops).

Workstations: The NVIDIA Quadro NVS 280 Graphics Controller (AA932A (PCI)) is compatible with all HP xw series workstations.

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 280 64MB PCI Dual Head Low profile, both ATX and low profile brackets included
Graphic Controller	Integrated Quadro 280 2D graphics processor unit (GPU)
Dimensions	Low-profile, 2.586 x 6.6 in (6.57 x 16.76 cm)
Bus type	PCI
RAMDAC	Dual 350 MHz (integrated)
Memory	64 MB DDR with frame buffer and Texture storage
Connector	Single high-density DMS-59 Flex Connector
Dimensions	Low-profile, 2.586 x 6.6 in (6.57 x 16.76 cm)
Controller clock speed	250 MHz*
Color depth	32 bits/pixel max
Overlay planes	One 16-bit Video overlay plane
Maximum vertical refresh rate	85 Hz
Multi-monitor support	Dual analog or digital monitors
Single DVI Support	Yes
Dual DVI Support	Yes
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
Available graphics drivers	Microsoft Windows 2000 and 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://www.hp.com/country/us/en/support.html?pageDisplay=drivers

Analog Resolution	Maximum Colors Supported	Maximum Refresh Rate
640 x 480	16.7 M	85 Hz
800 x 600	16.7 M	85 Hz
1024 x 768	16.7 M	85 Hz
1280x1024	16.7 M	85 Hz
1600 x 1200	16.7 M	85 Hz
1920 x 1080	16.7 M	85 Hz
1920 x 1200	16.7 M	85 Hz
1920 x 1200	16.7 M	85 Hz
1920 x 1440	16.7 M	85 Hz
2048 x 1536	16.7 M	75 Hz
Digital Resolution	Maximum Colors Supported	Maximum Refresh Rate
640 x 480	16.7 M	60 Hz
800 x 600	16.7 M	60 Hz
1024 x 768	16.7 M	60 Hz
1152 x 864	16.7 M	60 Hz
1280 x 1024	16.7 M	60 Hz

Technical Specifications

1600 x 1200

16.7 M

60 Hz

* Earlier models ran at 275 MHz.

© Copyright 2005 Hewlett-Packard Development Company, L.P.
The information contained herein is subject to change without notice.

Microsoft and Windows are US registered trademarks of Microsoft Corporation.

The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.