

Overview

Models

NVIDIA Quadro NVS 50 Graphics Card (PCI version)

PU615AA

Introduction

The NVIDIA Quadro NVS 50 Graphics Controller is a low profile PCI graphics card. This cost-effective single-monitor configuration includes 64MB of DDR frame buffer memory, and VGA and S-Video output ports. In addition, NVIDIA's nView hardware and software offer built-in attribute and performance tuning for displays such as CRTs, TVs, and flat-panel LCDs. The NVIDIA Quadro NVS 50 Graphics Controller is ideal for desktop users who require a DVI connector or for users that require a DVI connector or S-Video output.

Key Benefits

- Single 350 MHz RAMDAC deliver crystal-clear images
- PCI low profile (MD2 length) video card for cost effective and compact solution
- 64MB DDR frame buffer memory
- DVI-I connector for CRT and flat-panel LCDs monitors which supports modes up to 1600x1200 @ 60 Hz
- S-Video connector for TV-Out support
- Passive heatsink for a silent cooling solution

Performance

The NVIDIA Quadro NVS 50 Graphics Card is optimized for HP Business Desktop PC configurations. It comes with enhanced, customized display drivers, including display desktop and application management software.

Compatibility

The NVIDIA Quadro NVS 50 PCI Graphics Controller model (PU615AA) is compatible with the HP Business Desktop dc5000, dc5100, dx6100, dx6120, dc7100 and dc7600 series PCs.

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, both ATX and low profile brackets included
Graphic Controller	Integrated Quadro 50 Graphics Processor Unit (GPU)
Bus type	PCI 2.1, 32-bit, 5V
Memory	64 MB DDR
Connectors	Single DVI-I connector Single S-Video connector
Dimensions	Low profile, 2.586 x 6.6 in (6.57 x 16.76 cm)
Controller clock speed	250 MHz
Memory speed	200 MHz
Color depth	32-bits per pixel max
Overlay planes	One 16 bit video overlay plane
Maximum vertical refresh rate	85 Hz
Maximum pixel clock	Analog output: 350 MHz Digital output: 162 MHz
Single DVI Support	Yes
TV-out Support	Yes (S-Video 4 pin mini-Din)
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 colorspace conversion (YUV 4:2:2 and 4:2:0) IDCT motion compensation Up to 5-tap horizontal by 3-tap vertical filtering
Agency Approvals	ACA C-tick, BSMI, CE Mark, FCC, ICES/C.I.S.P.R, MIC, UL, VCCI
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://www.hp.com/country/us/en/support.html?pageDisplay=drivers

Analog Resolution	Maximum Colors Supported	Maximum Refresh Rate
640 x 480	32 M	85 Hz
800 x 600	32 M	85 Hz
1024 x 768	32 M	85 Hz
1280 x 1024	32 M	85 Hz
1600 x 1024	32 M	85 Hz
1600 x 1200	32 M	85 Hz
1920 x 1080	32 M	85 Hz
1920 x 1200	32 M	85 Hz
1920 x 1440	32 M	75 Hz
2048 x 1536	16.7 M	75 Hz
Digital Resolution	Maximum Colors Supported	Maximum Refresh Rate
640 x 480	32 M	60 Hz
800 x 600	32 M	60 Hz
1024 x 768	32 M	60 Hz
1280 x 1024	32 M	60 Hz

Technical Specifications

1600 x 1200	32 M	60 Hz
TV Output Resolution	Maximum Colors Supported	Maximum Refresh Rate
640 x 480	32 M	60 Hz
800 x 600	32 M	60 Hz
1024 x 768	32 M	60 Hz
Kit Contents	NVIDIA Quadro NVS 50 Graphics Card, documentation, DVI to VGA dongle, driver CD	

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