

Overview

Models

NVIDIA Quadro NVS 295 256MB PCIe Graphics Card

FY943AA

Introduction

The NVIDIA® Quadro® NVS 295 256MB PCIe x16 high resolution dual-display business graphics solution delivers reliable hardware and software for a stable business environment. Tested on leading business applications, Quadro NVS 295 is capable of driving two displays through the DisplayPort connectors or with DisplayPort adapters. This card is an excellent choice for small business or large enterprise users engaging in video conferencing or 3D image manipulation, while improving the everyday business PC experience with faster frame rates and excellent visual quality.

Performance and Features

- 256 MB of DDR3 dedicated on-board graphics frame buffer memory removing the need to share PC system memory.
- Conforms to full PCI Express 2.0A specification for low profile form factor
- Provides Dual DVI (via 2 DisplayPort connectors)
- HDCP supported on DVID outputs
- DirectX 10.0 support in hardware for optimal performance in DX10 applications.
- OpenGL 2.0 support in hardware for optimal performance with OpenGL applications
- Fanless cooling for a quieter working environment.
- NVIDIA® CUDA™ parallel computing processing cores compatible with CUDA accelerated applications.
- NVIDIA nView display software allows users to efficiently spread their work across single-large display or multiple displays through desktop and application management features to maximize productivity.

Compatibility

The NVIDIA Quadro NVS 295 256MB PCIe x16 is supported on the HP Compaq dc7900 Convertible Minitower, HP Compaq dc7900 Small Form Factor, HP Compaq dc5800 Microtower, HP Compaq dc5800 Small Form Factor Business Desktop PCs and HP Compaq 6000 Pro Microtower, HP Compaq 6000 Pro Small Form Factor, HP Compaq 6005 Pro Microtower, HP Compaq 6005 Pro Small Form Factor, HP Compaq 6200 Pro Microtower, HP Compaq 6200 Pro Small Form Factor, HP Compaq 8000 Elite Small Form Factor, HP Compaq 8000 Elite Convertible Minitower, HP Compaq 8100 Elite Small Form Factor, and HP Compaq 8100 Elite Convertible Minitower.

Service and Support

The NVIDIA Quadro NVS 295 256MB PCIe x16 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 online support forums. Parts and labor are available on-site within the next business day. Telephone support is available for parts diagnosis and installation. Certain restrictions and exclusions apply.



Technical Specifications

Form Factor	2.731 inches (H) × 6.600 inches (L), Half-Height
Graphics Controller	NVIDIA Quadro NVS 295 Graphics Board
Bus Type	PCI Express x16, Generation 2.0
Memory	256 MB GDDR3 SDRAM unified graphics memory
Connectors	2 DisplayPort Comes with 2 DisplayPort to DVI-D Adapters ('DisplayPort to VGA' adapter available as an accessory)
Maximum Resolution	Two DisplayPort outputs drive two digital displays up to 2560 x 1600
Display Output	<ul style="list-style-type: none">• Drives DisplayPort enabled digital displays at resolutions up to 2560 × 1600 at 60 Hz with reduced blanking• Drives DVI enabled digital displays at resolutions up to 1920 × 1200 at 60 Hz with reduced blanking (through DisplayPort to DVI-D (single link) cable)
Supported Graphics APIs	OpenGL 3.0 DirectX 10.0
Available Graphics Drivers	Windows 7 Home Basic* Windows 7 Home Premium* Windows 7 Professional Edition 32* Windows 7 Professional Edition 64* Windows 7 Ultimate Edition 32* Windows 7 Ultimate Edition 64* Genuine Windows Vista Business (64-bit and 32-bit) Microsoft Windows XP Professional (64-bit and 32-bit)

*This system may require upgraded and/or separately purchased hardware and/or a DVD drive to install the Windows 7 software and take full advantage of Windows 7 functionality. See <http://www.microsoft.com/windows/windows-7/> for details.

Power consumption 23 Watts

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