

### Overview

## Models

NVIDIA Quadro NVS 295 256MB PCIe Graphics Card

FY943AA

## Introduction

The NVIDIA® Quadro® NVS 295 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 up to two 30" displays at 2560x1600 resolutions and is designed to meet the needs of today's most demanding business user.

## Performance and Features

Natively drive up to two 30" digital display panels:

- Expand display configurations with multiple Quadro NVS graphics solutions and NVIDIA nView display software for Windows Vista:
  - Extend your Windows taskbar across all displays at heterogeneous resolutions
  - Flexible configurations for display set-ups
- Support up to two 30" (2560x1600) digital displays through dual DisplayPort connectors on a low profile card.
- Fanless cooling for a quieter working environment.

Reliable hardware and software platform:

- Designed, tested, and built by NVIDIA to meet ultra high standards of quality assurance for maximum uptime.
- The chosen solution by leading enterprise customers.
- Extended product life cycle for a dependable solution.
- Compatibility testing with industry-leading business applications.
- NVIDIA® CUDA™ parallel computing processing cores compatible with CUDA accelerated applications.
  - 256 MB of DDR3 dedicated on-board graphics frame buffer memory Conforms to full PCI Express 2.0A specification for low profile form factor
  - Support for VGA, DVI, and dual link DisplayPort through optional adapters

Energy Efficiency for Reduced Costs:

- Efficiently manage power consumption, without sacrificing performance, lowering your energy bills.
- Enables ENERGY STAR qualified workstations and desktops.

Maximize productivity with the user friendly NVIDIA® nView® Display Software:

- 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.

Robust IT management tools and support:

- Profile user settings enable all display and applications to be easily copied and ghosted over multiple systems.
- Dedicated enterprise customer support to ensure system uptime.
  - Guidance with any product related questions
  - Assistance for large-scale enterprise system deployment
  - Access to the latest product information, technical documents, and program offerings



### Overview

### Compatibility

The NVIDIA Quadro NVS 295 is supported on the following HP Personal Workstations: Z400, Z600, Z800, xw4600, xw9400. This graphics card is also supported on the following Business Desktop PCs: HP Compaq dc7900 Convertible Minitower, HP Compaq dc7900 Small Form Factor, HP Compaq dc5800 Microtower, and HP Compaq dc5800 Small Form Factor Business Desktop PCs.

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### Service and Support

The NVIDIA Quadro NVS 295 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' and 'DisplayPort to DL DVI' adapters available as an accessory)
Maximum Resolution	Two DisplayPort outputs drive two digital displays up to 2560 x 1600

**NOTE:** This card supports up to two displays

Display Output	<ul style="list-style-type: none"><li>• Drives DisplayPort enabled digital displays at resolutions up to 2560 × 1600 at 60 Hz with reduced blanking</li><li>• 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)</li></ul>
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Supported Graphics APIs	OpenGL 3.0 DirectX 10.0
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Available Graphics Drivers	Genuine Windows 7 Professional (64-bit and 32-bit) Genuine Windows Vista Business (64-bit and 32-bit) Microsoft Windows XP Professional (64-bit and 32-bit) Red Hat Enterprise Linux(RHEL) WS4 (64-bit and 32-bit) <i>* WS4 not supported on Z200 &amp; Z200 SFF</i> Red Hat Enterprise Linux(RHEL) 5 Desktop/Workstation (64-bit and 32-bit) Red Hat Enterprise Linux(RHEL) 6 Desktop/Workstation (64-bit and 32-bit) SUSE Linux Enterprise Desktop 11 (64-bit and 32-bit)
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HP qualified drivers may be preloaded or available from the HP support Web site:  
<http://welcome.hp.com/country/us/en/support.html>

SUSE Linux Enterprise drivers may also be obtained from:  
<ftp://download.nvidia.com/novell> or <http://www.nvidia.com>

Power Consumption	<24 Watts
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