

Overview

Models

NVIDIA Quadro K600 1GB Graphics

C2J92AA

Introduction

The NVIDIA Quadro K600 graphics board is a PCI Express low profile form factor graphics add-in card based on the new NVIDIA Kepler architecture graphics processing unit (GPU). The Quadro K600 graphics board is ideal for entry level professional CAD, M&E and visualization applications.

Performance and Features

- Comprehensive ISV certifications for professional environments
 - Low profile design with ultra-efficient 41W maximum power allows Quadro K600 to be used in a wide range of Small Form Factor and full height workstation chassis
 - 1 GB of fast DDR3 memory
 - Attach up to 2 active digital monitors, with up to 3840 x 2160 pixel resolution (on DP output only)
 - Latest graphics API's support
 - Windows 8 compliant
 - NVIDIA Mosaic Technology enabled
 - NVIDIA nView™ multi-display management
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Compatibility

The Quadro K600 is supported on the following HP Personal Workstations:

- Z820, Z620, Z420, Z220, Z220 SFF
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Service and Support

The NVIDIA Quadro K600 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" H x 6.3" L Single Slot, Low Profile Full Height Profile bracket installed Low Profile bracket included
Graphics Controller	NVIDIA Quadro K600 Graphics Card Kepler GK107 GPU 192 CUDA cores Max Power: 41 Watts
Bus Type	PCI Express 2.0 x16
Memory	1 GB GDDR3, 891 Mhz 128-bit memory I/O path 29 GB/s memory bandwidth
Connectors	1 DL-DVI(I) output, 1 DisplayPort output CTO: No video cable adapter included AMO: One DP-to-DVI adapter included with card Additional DVI-to-VGA, DisplayPort-to-VGA or DisplayPort-to-DVI adapters are available as accessories
Maximum Resolution	DisplayPort: - up to 3840 x 2160 x 30 bpp @ 60Hz - supports High Bit Rate 2 (HBR2) and Multi-Stream Transport (MST) DL-DVI(I) output: - up to 2560 x 1600 x 32 bpp @ 60Hz
Image Quality Features	10-bit internal display processing pipeline 10-bit scan-out support
Display Output	VGA: - requires use of DVI-to-VGA and/or DP-to-VGA video cable adapters - 400 Mhz integrated RAMDAC - Max resolution: 2048 x 1536 x 32 bpp @ 85 Hz DL-DVI(I): - Max resolution: 2560 x 1600 x 32 bpp @ 60 Hz SL-DVI(I): - Max resolution: 1920 x 1200 x 32 bpp @ 60 Hz DisplayPort: - Supports HBR2 and MST - Max resolution: 3840 x 2160 x 30 bpp @ 60 Hz (only one monitor can be connected to the Quadro K600 DisplayPort connector at this resolution) - Max number of daisy-chained monitors: 2
Shading Architecture	Full Microsoft DirectX 11 Shader Model 5.0
Supported Graphics APIs	OpenGL 4.3 DirectX 11 API support includes: CUDA C, CUDA C++, DirectCompute 5.0, OpenCL, Java, Python, and Fortran
Available Graphics Drivers	Windows 8 Pro 64-bit Windows 8 (China) 64-bit

Technical Specifications

Genuine Windows 7 Professional (64-bit and 32-bit)
Red Hat Enterprise Linux (RHEL) 5 Desktop/Workstation (64-bit)
Red Hat Enterprise Linux(RHEL) 6 Desktop/Workstation
SUSE Linux Enterprise Desktop 11 (64-bit)

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>

Notes

1. Quadro K600 offered as CTO does not include a video cable adapter. Video cable adapters must be ordered separately.
2. Quadro K600 offered as AMO includes one DP-to-DVI video cable adapter. Additional cables must be ordered separately.
3. Quadro K600 is Windows 8 Compliant.
4. A total maximum of 2 active monitors are supported across all display output types.

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