

### 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
- 

### Compatibility

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

- Z820, Z620, Z420, Z220, Z220 SFF
- 

### 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

|                                   |   |
|-----------------------------------|---|
| <b>Form Factor</b>                | 2.731" H x 6.3" L<br>Single Slot, Low Profile<br>Full Height Profile bracket installed<br>Low Profile bracket included  |
| <b>Graphics Controller</b>        | NVIDIA Quadro K600 Graphics Card<br>Kepler GK107 GPU<br>192 CUDA cores<br>Max Power: 41 Watts   |
| <b>Bus Type</b>                   | PCI Express 2.0 x16   |
| <b>Memory</b>                     | 1 GB GDDR3, 891 Mhz<br>128-bit memory I/O path<br>29 GB/s memory bandwidth  |
| <b>Connectors</b>                 | 1 DL-DVI(I) output, 1 DisplayPort output<br>CTO: No video cable adapter included<br>AMO: One DP-to-DVI adapter included with card   |
| <b>Maximum Resolution</b>         | Additional DVI-to-VGA, DisplayPort-to-VGA or DisplayPort-to-DVI adapters are available as accessories<br>DisplayPort:<br>- up to 3840 x 2160 x 30 bpp @ 60Hz<br>- supports High Bit Rate 2 (HBR2) and Multi-Stream Transport (MST)<br><br>DL-DVI(I) output:<br>- up to 2560 x 1600 x 32 bpp @ 60Hz  |
| <b>Image Quality Features</b>     | 10-bit internal display processing pipeline<br>10-bit scan-out support  |
| <b>Display Output</b>             | VGA:<br>- requires use of DVI-to-VGA and/or DP-to-VGA video cable adapters<br>- 400 Mhz integrated RAMDAC<br>- Max resolution: 2048 x 1536 x 32 bpp @ 85 Hz<br><br>DL-DVI(I):<br>- Max resolution: 2560 x 1600 x 32 bpp @ 60 Hz<br><br>SL-DVI(I):<br>- Max resolution: 1920 x 1200 x 32 bpp @ 60 Hz<br><br>DisplayPort:<br>- Supports HBR2 and MST<br>- 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)<br>- Max number of daisy-chained monitors: 2 |
| <b>Shading Architecture</b>       | Full Microsoft DirectX 11 Shader Model 5.0  |
| <b>Supported Graphics APIs</b>    | OpenGL 4.3<br>DirectX 11<br>API support includes:<br>CUDA C, CUDA C++, DirectCompute 5.0, OpenCL, Java, Python, and Fortran   |
| <b>Available Graphics Drivers</b> | Windows 8 Pro 64-bit<br>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.

---

© Copyright 2013 Hewlett-Packard Development Company, L.P.

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. The information contained herein is subject to change without notice.