Overview



Models

NVIDIA Quadro 410 512MB Graphics	A7U60AA

Introduction

The NVIDIA Quadro® 410 graphics board is a PCI Express 2 low profile form factor accelerated 3D graphics add-in card based on the latest GPU architecture from NVIDIA. The Quadro® 410 graphics board is targeted for entry level professional CAD, M&E-video, and Scientific Visualization applications.

Performance and Features

The Quadro 410 graphics board offers 512 MB of DDR3 memory and supports up to two displays. Different display adaptors may be necessary depending on the type of display that will be connected.

Overview

Compatibility

The NVIDIA Quadro 410 is supported on the following platforms:

- Z220, Z230, Z420, Z620, Z820

Service and Support

The NVIDIA Quadro 410 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	Low Profile: 2.713 inches × 5.7 inches, single slot
Graphics Controller	NVIDIA Quadro 410 GPU: GK107
Bus Type	PCI Express x16, 2.0 compliant
Memory	Size: 512MB DDR3 Clock: 900MHz Memory Bandwidth: 14GB/s
Connectors	One dual-link DVI-I connector One DisplayPort connector
Maximum Resolution	VGA (through DVI to VGA cable): • 2048 × 1536 × 32 bpp at 85 Hz Dual-link DVI • 2560 × 1600 × 32 bpp at 60 Hz (reduced blanking) Single-link DVI • 1920 × 1200 × 32 bpp at 60 Hz (reduced blanking) DisplayPort 1.2 • 3840 × 2160 × 36 bpp at 60 Hz
RAMDAC	400 MHz integrated RAMDAC
Display Output	Maximum number of displays supported: 2
Shading Architecture	Shader Model 5.0
Supported Graphics APIs	DX11, OpenGL 4.2
Available Graphics Drivers	Windows 8 Genuine Windows 7 Professional (64-bit and 32-bit) Microsoft Windows XP Professional (64-bit and 32-bit) Red Hat Enterprise Linux(RHEL) SUSE Linux Enterprise Desktop 11 (64-bit and 32-bit) HP qualified drivers may be preloaded or the latest HP qualified drivers are 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. Factory configured Quadro 410 does not include any video adapters. Adapters must be ordered separately. 2. Option kit Quadro 410 includes one DP to DVI-D adapter.

Technical Specifications

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