

Overview

Models

NVIDIA Quadro FX 560 PCI-Express graphics controller kit.

ES354AA

Includes: PCA with ATX bracket, DVI to VGA converters, HDTV dongle, CD and manual.

Introduction

NVIDIA Quadro FX 560 features uncompromised performance and programmability at an entry-level price for professional CAD, DCC, and visualization applications. NVIDIA Quadro FX 560 entrylevel graphics are designed to deliver cost-effective solutions to professional 3D environments without compromising on quality, precision, performance, and programmability. Featuring advanced features ranging from a 128-bit floating point graphics pipeline, 12-bit subpixel precision, fast GDDR3 memory, and HD output, the NVIDIA Quadro FX 560 is certified on a wide set of CAD, DCC, and visualization applications, offering the value and capabilities professional users expect. In addition, support for one dual-link DVI output and HD component out enables direct connection to both high resolution digital flat panels and broadcast monitors, making the NVIDIA Quadro FX 560 a must have for any video editing solution.

Performance & Features

Features include an array of parallel vertex engines, fully programmable pixel pipelines, a high-speed graphics memory bus, and next-generation crossbar memory architecture:

- 128MB G-DDR3 graphics memory
- Two DVI-I (one dual-link) + 9-pin HDTV Out (HD output cable included)
- OpenGL quad-buffered stereo
- Rotated-Grid FSAA
- High Precision Dynamic Range Technology
- Unlimited Vertex & Pixel programmability
- 128-bit IEEE floating-point precision graphics pipeline\
- 32-bit floating point color precision per component
- Hardware overlays
- Hardware accelerated anti-aliased points and lines
- Two-sided lighting
- Occlusion culling
- Advanced full-scene anti-aliasing
- Optimized and certified for OpenGL 2.0 and DirectX® 9.0 applications
- Multi-display productivity
- PCIe x16 bus

Compatibility

The NVIDIA Quadro FX 560 is supported on HP xw6400, xw8400 Workstations.

Service and Support

The NVIDIA Quadro FX 560 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	ATX
Graphics Controller	NVIDIA NV73GL
Bus Type	PCI Express x16
Memory	128MB 600MHz GDDR3 SDRAM unified frame buffer, Z-buffer and Texture storage
Connectors	2 DVI-I (one dual-link) + 9-pin HDTV output
Display resolution support	Dual integrated analog display controllers supporting up to two analog displays at 2048x1536 @ 85Hz on both displays or dual digital displays at 1920x1200 (single-link) and 3840x2400 (dual-link). HD-Out component Mode: YPrPB - SMPTE 1080i, 720p, 480p, 576p or composite Mode: NTSC/PAL 480i, 576i NVIEW advanced multi-display desktop and application management seamlessly integrated into Microsoft® Windows®
RAMDAC	Dual 400MHz integrated
Architecture features	128-bit memory interface 128-bit IEEE floating-point precision graphics pipeline 128-bit color precision 12-bit sub-pixel precision 8x FSAA at 1920x1200, 4x at 2048x1536, rotated grid FSAA sampling algorithm Hardware accelerated anti-aliased points and lines Hardware OpenGL overlay planes Hardware accelerated two-sided lighting Hardware accelerated clipping planes 3rd generation occlusion culling 3D volumetric texture support Quad-buffered stereo
Shading architecture	Fully programmable GPU Long fragment programs (unlimited instructions) Long vertex programs (unlimited instructions) Looping and subroutines (up to 256 loops per vertex program) Dynamic flow control Conditional execution
Supported graphics APIs	OpenGL 2.0 DirectX 9.0
Available graphics drivers	Microsoft Windows XP Professional qualified drivers may be preloaded or available from the HP support Web site: http://welcome.hp.com/country/us/eng/software_drivers.html .

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