

Overview

Models

ATI FirePro V4800 1GB Graphics Card

WL049AA

Introduction

Introducing the FirePro V4800 workstations graphics accelerator from AMD. This entry workstation solution with 1GB of GDDR5 frame buffer memory is ideally suited for entry CAD users who work with larger models for complex and large data sets plus a 30-bit display pipeline for accurate color reproduction and superior visual quality.

The ATI FirePro V4800 features three independent outputs with Eyefinity technology support, providing improvement to productivity at a much lower acquisition and operating cost. In addition, with native multi-card support, users can see more and do more using six displays being driven by two ATI FirePro V4800 products in the same HP Workstation.

Performance and Features

- Stellar performance in the 3D entry segment
- Simultaneously drive up to 3 independent 30" displays with Eyefinity technology *
- Scalable ultra parallel processing architecture with 400 Stream cores
- Hardware acceleration of DirectX 11 & OpenGL 3.2 advanced features
- Optimized and certified for CAD and DCC applications

*Eyefinity supported on Win7, Vista, and Linux.

Compatibility

The ATI FirePro V4800 is supported on the following HP Personal Workstations: Z200, Z400, Z600 and Z800

Service and Support

The ATI FirePro V4800 has a three-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	4.37 in (H) x 6.61 in (L)
Graphics Controller	ATI FirePro V4800 Graphics Card
Bus Type	PCI Express x 16, Generation 2.0
Memory	1GB GDDR5 SDRAM
Connectors	2 DisplayPort, 1 dual link DVI Output One DP to DVI adapter included
Maximum Resolution	Up to three digital displays at resolutions up to 2560 x 1600 @ 60Hz or up to three analog displays, one at resolutions up to 2048 x 1536 @ 85Hz, plus two resolutions up to 1920 x 1200 @ 60Hz (165 MHz dot clock) NOTE: This card supports up to three displays with Windows 7, Vista or Linux, and up to two displays on XP
RAMDAC	400 MHz DAC, 10-bit per channel
Image Quality Features	<ul style="list-style-type: none">● Up to 3 independent outputs with ATI Eyefinity technology support (More information at: www.amd.com/us/products/technologies/eyefinity/)● Full 30-bit display pipeline for more accurate color reproduction superior image quality2● Advanced video capabilities, including high fidelity gamma, color correction and scaling● Dedicated hardware (UVD2) for H.264, VC-1, and MPEG2 decode NOTE: The use of more than two displays on Linux requires support for xrandr 1.2 or greater in the X server
Shading Architecture	<ul style="list-style-type: none">● Support for Full Shader Model 5.0● Dynamic load balancing and resource allocation for vertex, geometry, and pixel shaders● Common instruction set and texture unit access supported for all types of shaders● Dedicated branch execution units and texture address processors● Anti-aliases Shaders and Textures as well as Polygon Edges
Supported Graphics APIs	DirectX 11, OpenGL 4.1, OpenCL 1.1 and full implementation of DirectCompute 11 (OpenCL™ compliant driver and SDK release scheduled in 2010)
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) * WS4 not supported on Z200 & Z200 SFF Red Hat Enterprise Linux (RHEL) 5 Desktop/Workstation (64-bit and 32-bit) Red Hat Enterprise Linux(RHEL) 6 Desktop/Workstation SUSE Linux Enterprise Desktop 11 (64-bit and 32-bit) HP qualified drivers may be preloaded or available from the HP support Web site: http://welcome.hp.com/country/us/en/support.html
Power Consumption	69 Watts

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