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ATI FirePro V5800 1GB Graphics Card   WL050AA

Introduction

Introducing the ATI FirePro V5800 workstations graphics accelerator from AMD. This midrange workstation solution with 1GB of GDDR5 frame buffer memory is ideally suited for users who work with large models and shader intensive applications offering a large frame buffer for complex and large data sets plus a 30-bit display pipeline for accurate color reproduction and superior visual quality.

Based on a new generation GPU with 800 stream processor units, the ATI FirePro V5800 ultra parallel processing architecture maximizes throughput by automatically directing graphics horsepower where it's needed.

The ATI FirePro V5800 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 V5800's in the same HP Workstation.

Performance and Features

- Incredible balance of performance and price targeted for the professional midrange market.
- Eyefinity* capable graphics accelerator allows you to drive up to 3 simultaneous displays.
- Scalable ultra parallel processing architecture with 800 stream cores
- DirectX 11 and OpenGL 3.2 advance features provide great performance, scalability and reliability
- AutoDetect instinctively optimizes performance for multi application workflow
- 800 Stream processors providing 1.35 Teraflops of single-precision performance

*Eyefinity technology supported on Win7, Vista, and Linux.

Compatibility

The ATI FirePro V5800 is supported on the following HP Personal Workstations: Z200, Z400, Z600 and Z800

Service and Support

The ATI FirePro V5800 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	4.38 in (H) x 9.0 in (L)
Graphics Controller	ATI FirePro V5800 Graphics Card
Bus Type	PCI Express x 16, Generation 2.0
Memory	1GB GDDR5 SDRAM
Connectors	2 DP, 1 DL DVI
	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 resolution up to 2048 x 1536 @ 85Hz, plus two display resolutions up to 1920 x 1200 @ 60 Hz (165 MHz dot clock)
	NOTE: This card supports up to three displays with Vista, Win7, or Linux, up to two displays with XP
RAMDAC	400 MHz DAC, 10-bits per channel
Image Quality Features	3 independent outputs with ATI Eyefinity1 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
Shading Architecture	- 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 3.2, OpenCL 1.0 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) HP qualified drivers may be preloaded or available from the HP support Web site: http://welcome.hp.com/country/us/en/support.html Linux drivers available directly from AMD at www.amd.com
Parallel Processor Cores	800 stream processors (1.35 TFLOPS single-precision performance)
Power consumption	75 Watts