

Overview

Models

AMD FirePro V3900 1GB Graphics

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Introduction

Introducing the AMD FirePro™ V3900 professional graphics accelerator from AMD. With 1GB of fast DDR3 frame buffer memory, the V3900 is ideally suited for CAD/CAM and DCC (digital content creation) workflows that typically use small to medium sized datasets and require excellent 3D viewport performance at an entry level price-point.

The AMD FirePro V3900 features two independent outputs with AMD Eyefinity technology support¹, providing extended workflow flexibility and productivity. Together with robust support for OpenGL4.2, OpenCL™ v1.1 and DirectX® 11, the AMD FirePro™ V3900's 480 stream processors offer a powerful and cost-effective GPU platform that delivers advanced acceleration and unbeaten reliability for all major professional design applications.

AMD FirePro™ professional graphics acceleration products are thoroughly tested and certified with major Computer Aided Design (CAD) and Digital Content Creation (DCC) applications, ensuring a level of reliability and performance professionals demand.

Performance and Features

- Outstanding performance for the entry level market
 - 1GB of high speed DDR3 memory
 - Parallel processing architecture featuring 480 stream processors
 - Up to 5120x1600 horizontal resolution (with two 2560x1600 monitors)
 - Support for both dual-link DVI and DisplayPort connectivity
 - AutoDetect Technology instinctively optimizes performance for specific applications
 - Optimized and certified for many CAD and DCC applications
 - Full OpenCL™ 1.1, DirectX® 11 and OpenGL™ 4.2 support
 - PCI Express® 2.1 compliant
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Compatibility

The AMD FirePro V3900 is qualified on the following systems:

- Z220, Z420, Z620, Z820

Service and Support

- Certified for use with all major pro design software applications and ISVs
- Planned minimum four year lifecycle
- Three year limited product repair / replacement warranty
- Direct toll free phone and email access to dedicated workstation technical support team (U.S. and Canada)
- Advanced parts replacement option

Technical Specifications

Form Factor	Low Profile, half length (full-height bracket included)
Graphics Controller	AMD FirePro™ V3900 professional graphics Power: <50W Cooling: Active
Bus Type	PCI Express® x16, Generation 2.1
Memory	1GB DDR3 memory Memory Bandwidth: 28.8 GB/s
Maximum Resolution	2560x1600 per display (5120x1600 max. horizontal resolution)
Display Output	1 DisplayPort® 1.2 1 Dual-link DVI
Shading Architecture	Shader Model 5.0
Supported Graphics APIs	OpenCL™ 1.1, DirectX® 11 and OpenGL 4.2
Available Graphics Drivers	Windows 8 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) 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>

Note AMD Eyefinity technology can support multiple displays using a single enabled AMD FirePro™ professional graphics card; the number of supported displays varies by card model. Microsoft® Windows® 8, Windows® 7, Windows Vista®, or Linux® is required in order to support more than 2 displays. Depending on the card model, native DisplayPort™ connectors and/or certified DisplayPort™ active or passive adapters to convert your monitor's native input to your card's DisplayPort™ or Mini-DisplayPort™ connector(s) may be required. See www.amd.com/firepro for details.

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