Models

AMD FirePro W7000 4GB GraphicsAMD FirePro W7000 4GB Graphics   C2K00AA

Introduction

The AMD FirePro™ W7000 professional graphics delivers incredible performance, superb visual quality, and outstanding multi-display capabilities all in a single-slot solution. It is an excellent solution for professionals who work with advanced visualization, complex models, and large data sets.

The AMD FirePro W7000 features AMD Eyefinity technology support for four simultaneous and independent monitors from a single graphics card. Also, the AMD FirePro W7000 is backed by 4GB of ultra-fast GDDR5 memory.

Performance and Features

- Next-generation architecture designed to effortlessly balance GPU compute and 3D workloads efficiently
- Exceptional compute performance powered by new GCN architecture yielding 2.4 TFLOPS single precision and 152 GFLOPS double precision
- Optimized and certified for leading workstation ISV applications
- GeometryBoost technology provides a doubling of geometry performance over previous architectures
- Up to 4 native display outputs using AMD Eyefinity technology
- Up to six display outputs using DisplayPort HBR2 and MST compliant displays
- AMD PowerTune and AMD ZeroCore Power technologies that allow for state of the art dynamic power management of the GPU
- 4GB of high speed GDDR5 memory with ECC support
- PCI Express® 3.0 compliant

Compatibility

The FirePro W7000 is supported on the following HP Personal Workstations:
- Z820, Z620, Z420, Z230 CMT (AMO only), Z220 CMT (AMO only)

Service and Support

The AMD FirePro W7000 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	Full height, full length, single slot
Graphics Controller	AMD FirePro™ W7000 Professional Graphics Max Power: <150 Watts
Bus Type	PCI Express™ x16, Generation 3.0
Memory	4GB GDDR5, 153.6 GB/s bandwidth, ECC support
Connectors	4 x DisplayPort with HBR2 and MST support.
Maximum Resolution	DisplayPort: 4096x2160 @24bpp 60Hz Dual Link DVI: 2560x1600 (requires DP to DL-DVI adapter) Single Link DVI: 1920x1200 (requires DP to DVI adapter) VGA: 1920x1200 (requires DP to VGA adapter)
Image Quality Features	Advanced support for 8-bit, 10-bit, and 16-bit per RGB color component
Display Output	Max number of monitors supported using DisplayPort: 6 Monitor chaining from a single DisplayPort options(subject to a max of 6 total monitors across all outputs, requires use of DisplayPort Monitors supporting MST or the use of DisplayPort hubs): • 1 4096x2169 display • 2 2560x1600 displays • 4 1920x1200 displays
Shading Architecture	Shader Model 5.0
Supported Graphics APIs	OpenGL® 4.2 with OpenGL Shading Language OpenCL 1.1 Microsoft® DirectX® 11.1
Available Graphics Drivers	Windows 8 Windows 7 Professional (64-bit and 32-bit) Windows 8 (64bit 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	1. 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® 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. 2. Factory configured FirePro W7000 graphics card does not include any video adapter cables. Adapters must be ordered separately. 3. Option Kit FirePro W7000 graphics card does not include any video cable adapters. Adapters must be ordered seperately.

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