

Overview

AMD FirePro W2100 2GB Graphics



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J3G91AA

INTRODUCTION

The AMD FirePro W2100 graphics board utilizes state of the art professional GPU technologies to deliver outstanding professional 3D performance in a cost effective low profile package. This card is great for small to medium size/complexity product development and video work.

PERFORMANCE AND FEATURES

- AMD Graphics Core Next (GCN) architecture designed to effortlessly balance GPU compute and 3D workloads efficiently
- Optimized and certified for leading workstation ISV applications. The AMD FirePro™ professional graphics family is certified on more than 100 different applications for reliable performance.
- AMD PowerTune and AMD ZeroCore Power technologies that allows for state of the art dynamic power management of the GPU
- Two (2) native display DisplayPort outputs with DisplayPort 1.2a
- PCI Express® 3.0 compliant

COMPATIBILITY

The AMD FirePro W2100 is supported on the following HP Z workstations:

- Z230 CMT/SFF, Z440, Z640, Z840

SERVICE AND SUPPORT

The AMD FirePro W2100 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

TECHNICAL SPECIFICATIONS

Form Factor	Low Profile, half length (full-height bracket included)
Graphics Controller	AMD FirePro™ W2100 professional graphics based on Oland GPU. GPU: 320 Stream Processors organized into 5 Compute Units GPU Frequency: 630Mhz Power: 26W Cooling: Active
Bus Type	PCI Express® x8, Generation 3.0
Memory	2GB DDR3 memory Memory Bandwidth: up to 28.8 GB/s Memory Width: 128 bit
Connectors	2x Display Port 1.2 connectors Factory Configured: No video cable adapter included After market option kit: No video cable adapter included Additional DisplayPort-to-VGA or DisplayPort-to-DVI adapters are available as Factory Configuration or Option Kit accessories.
Maximum Resolution	DisplayPort 1.2: - up to 4096x2160 x 24 bpp @ 60Hz Dual Link DVI(I) (requires adapter cable): - up to 2560 x 1600 x 32 bpp @ 60Hz Single Link-DVI(I)(requires adapter cable): - up to 1920 x 1200 x 32 bpp @ 60Hz VGA (requires adapter cable): - up to 1920 x 1200 x 32 bpp @ 60Hz
Image Quality Features	Advanced support for 8-bit, 10-bit, and 16-bit per RGB color component. High bandwidth scaler for high quality up and downscaling.
Display Output	2 x DisplayPort® 1.2a Maximum number of displays: 2
Shading Architecture	Shader Model 5.0
Supported Graphics APIs	OpenCL™ 1.2, DirectX® 11.2/12, OpenGL 4.4 OpenGL 4.4 support with driver release 14.301.xxx OpenCL 1.2 conformance expected with drive release 14.301.xxx
Available Graphics Drivers	Windows 8.1 (64-bit and 32-bit) Windows 7 (64-bit and 32-bit) Linux

Technical Specifications

HP qualified drivers may be preloaded or available from the HP support Web site:
<http://welcome.hp.com/country/us/en/support.html>

Notes 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.

Summary of Changes

Date of change:	Version History:		Description of change:
Sept 14, 2014	Version 1	Added	Migrate to current template, add product photo
June 25, 2015	From v1 to v2	Changed	Connectors subsection from Technical Specifications

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