



AMD FirePro™ W4300 Professional Graphics

Best CAD Performance which fits both
Small Form Factor and Tower Workstations¹



Key Features:

- 4GB GDDR5 memory
- 128-bit memory interface
- Up to 96GB/s memory bandwidth
- Direct graphics memory access
- GeometryBoost technology
- Four Mini-DisplayPort outputs
- DisplayPort 1.2a support
- Maximum resolution (4096 x 2160)
- AMD Eyefinity multidisplay technology²
- AMD PowerTune technology³
- Under 50W max power consumption
- Discreet active cooling solution
- 768 stream processors
- 1.43 TFLOPS peak single precision
- OpenCL™, DirectX®, OpenGL API support
- PCIe® 3.0 compliant, x16 bus interface
- Low-profile design fits SFF and full-size ATX chassis
- Planned minimum three-year life cycle
- Limited three-year warranty
- Microsoft® Windows® 10, 8.1, 7, and Linux (32- and 64-bit) support
- FCC, CE, C-Tick, BSMI, KCC, UL, VCCI, RoHS, and WEEE compliance

The **AMD FirePro™ W4300** is AMD's highest performing professional graphics card for CAD that fits in both small and full-size workstations, offering unprecedented flexibility in its class. It combines a powerful mid-range GPU and 4GB of ultra-fast memory with a low-profile card design and can be installed in small form factor (SFF) as well as full-sized systems.

The AMD FirePro W4300 graphics card is certified and optimized for the latest CAD applications, including SOLIDWORKS®, PTC Creo®, NX™, CATIA®, Autodesk® Inventor as well as Revit® and many more. The card enables engineering professionals to work on large geometry-intense models and apply GPU-accelerated features in their projects, such as the new Order Independent Transparency (OIT) mode supported in SOLIDWORKS®.

Maximum Deployment Flexibility

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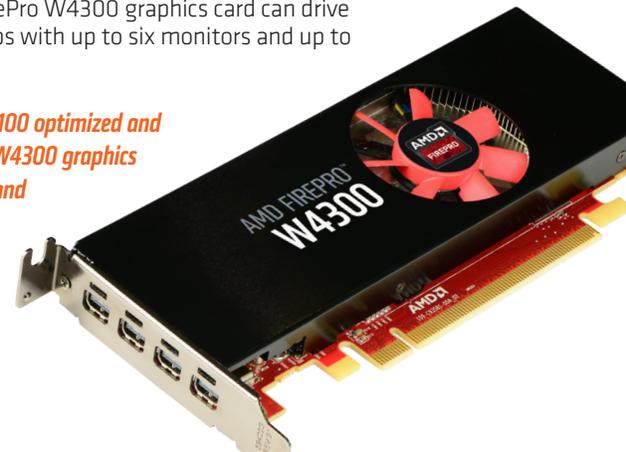
"No Compromise" CAD Performance

The AMD FirePro W4300 graphics card supports many of the latest GPU-accelerated features and delivers powerful application performance thanks to its mid-range GPU and 4GB of GDDR5 memory.

Maximum Display Capabilities

Despite its small size, the AMD FirePro W4300 graphics card can drive AMD Eyefinity multi-display set-ups with up to six monitors and up to 4K and 5K resolution.

With a stable driver that supports over 100 optimized and certified applications, the AMD FirePro W4300 graphics card delivers the performance, quality, and stability you expect from a professional graphics card.



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Features	Benefits
AMD Graphics Core Next (GCN) Architecture	Efficiently balances compute tasks with 3D workloads, enabling multitasking that is designed to optimize utilization and maximize performance.
Reliable Drivers	Multiple AMD FirePro professional graphics driver versions are released several times each year and include performance and feature improvements. Every version undergoes a minimum of 16 consecutive weeks of testing conducted by three dedicated quality groups. AMD quality groups perform both manual and automated testing using the most stressful scenarios our engineers are able to create, plus many challenging ones from our ISV partners and OEM customers.
DirectGMA (Direct Graphics Memory Access)	Bypasses any need to traverse the host's main memory, reducing CPU utilization—and avoiding redundant transfers over PCIe®, resulting in high-throughput, low-latency data transfers.
GeometryBoost	Allows the GPU to process geometry data at a rate of twice per clock cycle. Triangle rates increase twofold relative to a GPU that does not possess GeometryBoost.
AMD Eyefinity Multidisplay Technology	Enables highly immersive and powerful multitasking experiences across multiple displays. Each AMD FirePro™ W4300 graphics card is capable of driving up to four displays at 4K resolutions. ²
DisplayPort 1.2a and Adaptive-Sync Support	Simultaneously outputs multiple independent audio streams and display content at resolutions beyond standard HD (maximum resolution of 4096 x 2160). Adaptive-Sync enables FreeSync™ technology from AMD that allows GPU control of display refresh rates for tear-free and jitter-free image quality when rotating models or viewing video content. ⁴
1.43 TFLOPS of Peak Single Precision Floating Point Performance	Helps speed up time required to complete single precision operations used within Video Enhancement, Signal Processing, Video Transcoding, and Digital Rendering applications.
OpenCL™ 2.0	AMD FirePro W4300 cards are designed to support OpenCL 2.0. Tap into the parallel computing power of its GPU and get up to 1.43 TFLOPS of peak single precision compute power to accelerate compute-intensive tasks.
AMD PowerTune Technology ³	Performs real-time analysis of applications that utilize a GPU. In the event that an application is not making the most of the power available to the GPU, AMD PowerTune Technology can improve that application's performance by raising the GPU's clock speed by up to 30% automatically.
Ready for 4K	Equipped with four DisplayPort outputs with DisplayPort 1.2a support and six display engines, the AMD FirePro W4300 graphics card can drive up to three 4K displays at 60 Hz or drive up to four 4K displays at 30 Hz. ²

For more information, please visit
www.amd.com/firepro

1. As of October 2015, AMD FirePro W4300 graphics card delivers up to 21% more CAD performance compared to the Quadro K1200 using the geometric average of all four SPECviewperf® CAD-specific tests. Based on AMD internal testing using SPECviewperf 12.0.1 to measure visual performance and creating the geometric average results of the following four CAD tests: catia-04, creo-01, sn-02 and sw-03. AMD FirePro W4300 scored 47.23 vs. Quadro K1200 which scored 38.99. Test system: Intel E5-1650 v3 3.50GHz, 16GB RAM, Win7 64-bit SP1, AMD 15.201 beta23, Nvidia 354.13. Individual scores for AMD FirePro W4300: catia-04 = 38.79, creo-01 = 43.31, snx-02 = 45.65, sw-03 = 64.86. Individual scores for Quadro K1200: catia-04 = 35.07, creo-01 = 32.77, snx-02 = 29, sw-03 = 69.35, FP-182

2. AMD Eyefinity technology supports up to six DisplayPort™ monitors on an enabled graphics card. Supported display quantity, type, and resolution vary by model and board design; confirm specifications with manufacturer before purchase. To enable more than two displays, or multiple displays from a single output, additional hardware such as DisplayPort-ready monitors or DisplayPort 1.2 MST-enabled hubs may be required. A maximum of two active adapters is recommended for consumer systems. See www.amd.com/eyefinityfaq for full details.

3. AMD PowerTune and AMD ZeroCore Power are technologies offered by certain AMD FirePro™ products, which are designed to intelligently manage GPU power consumption in response to certain GPU load conditions. Not all products feature all technologies – check with your component or system manufacturer for specific model capabilities.

4. FreeSync is an AMD technology designed to reduce or eliminate screen tears in games and videos by allowing the monitor's refresh rate to be controlled by and synchronized to the graphics card. Requires DisplayPort 1.2a compliant monitors that support DisplayPort Adaptive-Sync.

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