

FIREPRO
GRAPHICS

AMD

AMD FirePro™ V9800P

PROFESSIONAL GRAPHICS



KEY FEATURES:

- Specially designed for use in rackmount servers, blades and PCIe® expansion chassis
- Passive thermal solution provides deployment flexibility
- Energy-efficient design and dual-slot heatsink help reduce power costs
- Largest frame buffer offered in an AMD passively-cooled form factor
- Optimized for professional graphics applications
- Massively parallel architecture for GPU compute
- Designed and thoroughly tested by AMD
- Planned minimum three year lifecycle
- Limited three year warranty

AMD's Most Powerful Multifunctional Server Solution for Compute, Professional Graphics and VDI

IT departments are faced with many challenges: doing more with less resources, configuring computing solutions to meet the needs of various user segments, reigning in time spent on system support and maintenance, and preventing data leakage. AMD FirePro™ V9800P professional graphics are designed to help IT meet these challenges and more. Featuring 1,600 stream processors, 4GB of GDDR5 memory and 2.64 TFLOPS of single precision and 528 GFLOPS of double precision floating point performance, AMD FirePro V9800P professional graphics card is AMD's most powerful multifunctional server solution.

AMD FirePro V9800P professional graphics offer the same features and benefits as the ATI FirePro V9800 in a passively-cooled form factor ideal for server environments. Delivering ultra-fast performance, and massively parallel processing, AMD FirePro V9800P professional graphics in the data center can help IT reduce operating costs and time spent on servicing individual systems, increase asset utilization density and secure critical data.

Coupled with a single unified driver, AMD FirePro V9800P professional graphics offer IT a flexible and scalable solution capable of supporting Remote Graphics and Virtual Desktop Infrastructure (VDI) deployments, rendering farms, High Performance Computing (HPC) implementations, and traditional professional graphics applications for CAD/CAE and Digital Content Creation (DCC). With AMD FirePro V9800P professional graphics there is only one solution for IT to maintain, update and stock to meet the most demanding centralized computing needs.

GPU Compute for High Performance Computing

AMD FirePro V9800P graphics are designed to meet the demanding performance and reliability

requirements of HPC clusters that scale to thousands of nodes. Delivering 2.64 TFLOPS of single precision floating point performance — 2X more than competing solutions — AMD FirePro V9800P professional graphics are capable of tackling the most demanding compute-intensive, data-parallel tasks.¹ For companies undertaking projects with intense processing requirements, like computational fluid dynamics, structural mechanics, numeral analytics and molecular dynamics, the AMD FirePro V9800P graphics card offers maximum GPU performance in an energy-efficient form factor.

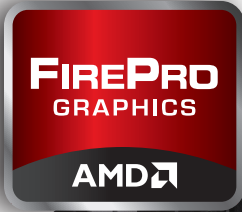
AMD FirePro V9800P professional graphics and the current family of AMD professional graphics solutions support OpenCL™ 1.1², OpenGL 4.1 and DirectX® 11.

The Leading Edge of Graphics Virtualization

AMD FirePro professional graphics support leading virtualization technologies enabling the delivery of graphically accelerated computing experiences to a range of client devices. When one AMD FirePro V9800P professional graphics card is installed in a rack or blade server or PCIe expansion chassis, it can support a large number of concurrent user computing sessions — including rich media like full motion video and 3D applications. All users need to connect is a PC client device or a zero client portal. No special hardware is required at each end user's workspace — just a display, keyboard and mouse. Users have the ability to work seamlessly with business productivity applications, video, and graphically rich OS interfaces, as well as professional CAD/CAE and DCC applications.

The AMD FirePro V9800P professional graphics card is certified by Microsoft® for RemoteFX, and is also capable of supporting government contractors, medical professionals, designers and engineers who work with more specialized applications and/or work with sensitive information.

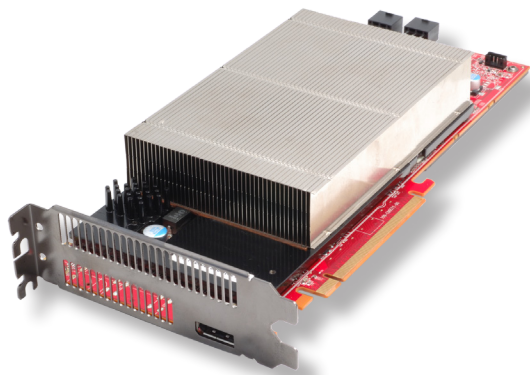




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FEATURES	BENEFITS
Passive Cooling	<ul style="list-style-type: none"> → Simplifies thermal design for servers → Silent operation → Deployment flexibility
Unified Driver Architecture	One driver spans the entire family of AMD FirePro professional graphics, helping to simplify maintenance and system administration
Scalable Ultra Parallel Processing Architecture	Enables revolutionary floating-point peak performance across a wide range of computing applications: <ul style="list-style-type: none"> → 528 GFLOPS Double Precision → 2.64 TFLOPS Single Precision
Application Optimization	AMD FirePro professional graphics are optimized for professional graphics applications and support applications built on key industry standards

PRODUCT SPECIFICATIONS	
Memory	
Size/Type	4GB GDDR5
Interface and Bandwidth	256-bit, 147 GB/s
Output Connectivity	
Display Output	Features single DisplayPort 1.1 connector
Adapters	One DisplayPort to DVI (single link)
API and OS Support	
API Support	OpenGL 4.1 DirectX® 11 (including DirectCompute) OpenCL™ 1.1
OS Support	Microsoft® Windows® XP, Windows Vista®, Windows® 7, Microsoft Windows Server® 2008 R2 SP1 and Linux® ³ (32-bit or 64-bit)
Power Consumption and Form Factor	
Max Power	225W
Slots and Bus Interface	Dual-slot, PCIe® 2.1 x16
Form Factor	Full height / full length
Additional Details	
System Requirements	<ul style="list-style-type: none"> → 512MB of system memory → Power supply with one 2x3 and one 2x4 auxiliary power connectors → Available PCIe® x16 slots (2) → Microsoft® Windows® XP, Windows Vista®, Windows® 7, Microsoft Windows Server® 2008 R2 SP1 or Linux®³ (32-bit or 64-bit)
Warranty and Support	<ul style="list-style-type: none"> → Three year limited product repair/replacement warranty → Direct toll free phone and email access to dedicated workstation technical support team⁴ → Advanced parts replacement option
Regulatory Compliance	FCC, CE, C-Tick, BSMI, KCC, UL, VCCI, RoHS and WEEE



¹ Based on AMD FirePro V9800P with 2.64 TFLOPS single precision floating point performance (peak) compared to Nvidia Tesla M2050, M2070 and M2090 computing modules, each with 1.03 TFLOPS single precision floating point performance (peak). http://www.nvidia.com/docs/IO/105880/DS_Tesla-M2090_LR.pdf

² OpenCL™ 1.1 certification pending.

³ Linux drivers can be downloaded from support.amd.com.

⁴ Toll-free phone service available in U.S. and Canada only, email access is global.

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