## Performance at every price point.

**AMD FirePro professional graphics offer breakthrough capabilities that can help maximize productivity and help lower cost and complexity – giving you the edge you need in your business.** Outstanding graphics performance, compute power and ultrahigh-resolution multidisplay capabilities allows broadcast, design and engineering professionals to work at a whole new level of detail, speed, responsiveness and creativity.

### AMD FirePro™ W9100

With 16GB GDDR5 memory and the ability to support up to six 4K displays via six Mini DisplayPort outputs,[1] the AMD FirePro W9100 graphics card is the ideal single-GPU solution for the next generation of ultrahigh-resolution visualization environments.
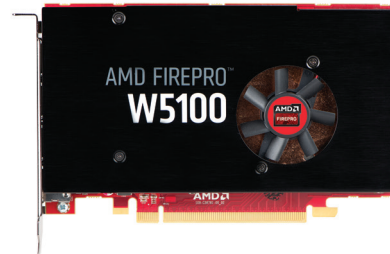
### AMD FirePro™ W8100

The new AMD FirePro W8100 workstation graphics card is based on the AMD Graphics Core Next (GCN) GPU architecture and packs up to 4.2 TFLOPS of compute power to accelerate your projects beyond just graphics.

### AMD FirePro™ W7100

The new AMD FirePro W7100 graphics card delivers 8GB of memory, application performance and special features that media and entertainment and design and engineering professionals need to take their projects to the next level.
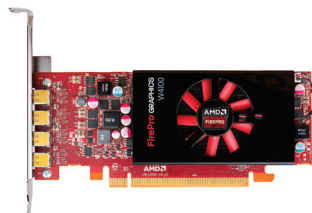
### AMD FirePro™ W5100

The new AMD FirePro™ W5100 graphics card delivers optimized application and multidisplay performance for midrange users. With 4GB of ultra-fast GDDR5 memory, users can tackle moderately complex models, assemblies, data sets or advanced visual effects with ease.
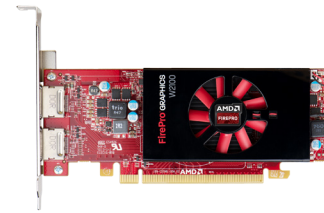
### AMD FirePro™ W4300

The AMD FirePro™ W4300 is AMD's most powerful workstation graphics card for small form factor, energy efficient workstations with a power consumption of under 50W.
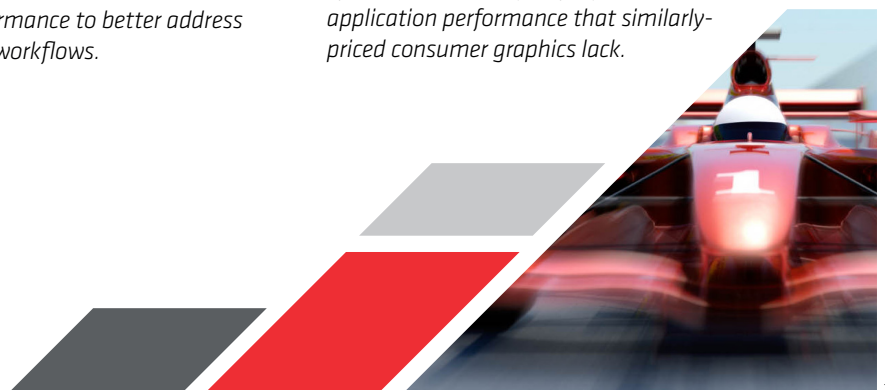
### AMD FirePro™ W4100

In a class of its own, the AMD FirePro W4100 graphics card is the best choice for entry-level users who need a boost in graphics performance to better address their evolving workflows.

### AMD FirePro™ W2100

Professional graphics starts with AMD FirePro W2100 graphics, delivering optimized and certified professional application performance that similarly-priced consumer graphics lack.

**Innovation and reliability from a technology leader.** AMD FirePro professional graphics are optimized and certified on more than 100 applications including the most popular design and engineering, and media and entertainment applications. Rigorous certification processes conducted by ISVs and OEMs test AMD FirePro graphics against a battery of simulations and real-world scenarios to ensure their readiness for demanding professional use.

AMD FirePro professional graphics drivers are released several times each year and include performance and feature improvements. Our drivers undergo 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.

In addition, AMD FirePro graphics incorporate a unique Autodetect technology. As users open new 3D applications or move between them, driver settings are automatically configured for optimized performance of supported applications, no matter what the user's workflow demands.

| MODEL | Maximum resolution per display output | DVI-I | DisplayPort | No. of display outputs | Single Precision (GFLOPS) | Double Precision (GFLOPS) | Stream Processors | GCN Stream Processors | Memory | ECC | Memory Bandwidth (GB/s) | Maximum Power | PCIe® | OS - 32-bit & 64-bit Support | AMD CrossFire™ Pro | OpenCL™ (Conformance Expected*) | OpenGL | DirectX® | Shader Model | GeometryBoost | AMD PowerTune | AMD ZeroCore Power | 10-bit Display Support | 3D Stereoscopic | Framelock/Genlock | FreeSync™ **** | Limited Warranty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AMD FirePro™ W9100 (NEW) | 4096x2160 | N/A** | 6 Mini | 6 | 5240 | 2620 | N/A | 2816 | 16GB GDDR5 | Yes | 320 | 275w | 3.0 | | • | 2.0 | 4.4 | 12 | 5 | • | • | • | • | • | • | • | 3 yr. |
| AMD FirePro™ W8100 (NEW) | 4096x2160 | N/A** | 4 | 4 | 4200 | 2100 | N/A | 2560 | 8GB GDDR5 | Yes | 320 | 220w | 3.0 | | • | 2.0 | 4.4 | 12 | 5 | • | • | • | • | • | • | • | 3 yr. |
| AMD FirePro™ W7100 (NEW) | 4096x2160 | N/A** | 4 | 4 | 3300 | 206 | N/A | 1792 | 8GB GDDR5 | No | 256 | <150w | 3.0 | | • | 2.0 | 4.4 | 12 | 5 | • | • | • | • | • | • | • | 3 yr. |
| AMD FirePro™ W5100 (NEW) | 4096x2160 | N/A** | 4 | 4 | 1430 | 89.2 | N/A | 768 | 4GB GDDR5 | No | 96 | <75w | 3.0 | | • | 2.0 | 4.4 | 12 | 5 | • | • | • | • | • | | • | 3 yr. |
| AMD FirePro™ W4300 (NEW) | 4096x2160 | N/A** | 4 Mini | 4 | 1430 | 89.2 | N/A | 768 | 4GB GDDR5 | No | 96 | <50w | 3.0 | | | 2.0 | 4.4 | 12 | 5 | • | • | • | • | • | | • | 3 yr. |
| AMD FirePro™ W4100 (NEW) | 4096x2160 | N/A** | 4 Mini | 4 | 645 | 40 | N/A | 512 | 2GB GDDR5 | No | 72 | 50w | 3.0 | | | 1.2 | 4.4 | 12 | 5 | | • | • | • | • | | | 3 yr. |
| AMD FirePro™ W2100 (NEW) | 4096x2160 | N/A** | 2 | 2 | 403 | 25 | N/A | 320 | 2GB GDDR3 | No | 28.8 | 26w | 3.0 | Windows® 10 Windows® 8.1 Windows® 7 Linux® | | 1.2 | 4.4 | 12 | 5 | | • | • | • | • | | | 3 yr. |
| AMD FirePro™ W9000 | 4096x2160 | N/A** | 6 Mini | 6 | 3990 | 1000 | N/A | 2048 | 6GB GDDR5 | Yes | 264 | 274w | 3.0 | | • | 1.2 | 4.4 | 12 | 5 | • | • | • | • | • | • | | 3 yr. |
| AMD FirePro™ W8000 | 4096x2160 | N/A** | 4 | 4 | 3230 | 806 | N/A | 1792 | 4GB GDDR5 | Yes | 176 | 225w | 3.0 | | • | 1.2 | 4.4 | 12 | 5 | • | • | • | • | • | • | | 3 yr. |
| AMD FirePro™ W7000 | 4096x2160 | N/A** | 4 | 4 | 2400 | 152 | N/A | 1280 | 4GB GDDR5 | No | 154 | <150w | 3.0 | | • | 1.2 | 4.4 | 12 | 5 | • | • | • | • | • | • | | 3 yr. |
| AMD FirePro™ W5000 | 4096x2160 | 1*** | 2 | 3 | 1270 | 80 | N/A | 768 | 2GB GDDR5 | No | 103 | <75w | 3.0 | | • | 1.2 | 4.4 | 12 | 5 | • | • | • | • | • | | | 3 yr. |
| AMD FirePro™ V7900 | 2560x1600 | N/A** | 4 | 4 | 1860 | 464 | 1280 | N/A | 2GB GDDR5 | No | 160 | 143w | 2.0 | | • | 1.2 | 4.4 | 11 | 5 | • | • | | • | • | • | | 3 yr. |
| AMD FirePro™ V5900 | 2560x1600 | 1 | 2 | 3 | 610 | 154 | 512 | N/A | 2GB GDDR5 | No | 64 | 75w | 2.0 | | • | 1.2 | 4.4 | 11 | 5 | • | • | | • | • | | | 3 yr. |
| AMD FirePro™ V4900 | 2560x1600 | 1 | 2 | 3 | 768 | n/a | 480 | N/A | 1GB GDDR5 | No | 64 | 75w | 2.0 | | | | 4.4 | 11 | 5 | | | | • | • | | | 3 yr. |
| AMD FirePro™ V3900 | 2560x1600 | 1 | 1 | 2 | 624 | n/a | 400 | N/A | 1GB GDDR3 | No | 28.8 | 50w | 2.0 | | | | 4.4 | 11 | 5 | | | | • | • | | | 3 yr. |

\* OpenCL™ 2.0 drivers are now available for download at www.amd.com.  Visit www.amd.com/firepro/opencl for a complete list of supported products

\** DVI-D via Adapter

\*** FirePro W5000 DVI option available, with 2x dual-link DVI outputs

\**** 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 and an AMD FirePro W5100, W7100, W8100 or W9100 graphics card with forthcoming FreeSync-enabled driver.  Support for use with multiple monitors planned. Confirm supported technologies with system manufacturer before purchase.

## Reliable and cost-effective multidisplay solutions.

**For every need there is an AMD solution.** Featuring a space-efficient, low-profile design, AMD FirePro professional graphics can be easily deployed in a variety of form factors, from small form factor desktops to tower workstations to mobile docking stations.

AMD FirePro professional graphics enable setups with multiple monitors for industries that demand high display density. AMD Eyefinity technology increases desktop productivity and simplifies visualization solutions by expanding your visual real estate up to six displays[1] with a single graphics card – an industry first.

- Supports PCI Express® (PCIe) standards (x1 and x16)
- Dedicated dual-, quad- and six-output channels for crystal-clear displays
- Supports various display connectors such as DisplayPort, DVI and VGA
- Ultimate reliability with estimated lifecycles (MTBF) of up to 500,000 hours for passively cooled cards
- Combine multiple AMD FirePro graphics cards in the same system to create large video walls

**AMD FirePro™ 2270**
*(Dual Output)*

*The first low-profile, passively cooled dual-output AMD graphics card supporting all three industry-standard display technologies – DisplayPort, DVI and VGA.*

**AMD FirePro™ 2460**
*(Quad Output)*

*Designed for financial and corporate multidisplay users. The first low-profile, quad Mini DisplayPort-capable solution available.*

**AMD FirePro™ W600**
*(Six Output)*

*Optimized for display density.*

*DMS-59 to Dual DVI (x1)*

*Mini DisplayPort to DVI (x4)*

*Mini DisplayPort to DVI (optional)*

*DVI to VGA adapter (x2)*

**Designed to help IT more easily configure and deploy multidisplay setups for employees.** Offering ultrahigh-resolution graphics with exceptional image quality through a range of industry-standard display connectors such as VGA, DVI and DisplayPort, AMD FirePro professional graphics make it easy for IT to configure multidisplay setups using any supported monitors they happen to have on hand.

**AMD FirePro professional graphics are ideal for enabling a variety of multidisplay solutions across multiple industries, including:**

*Financial Services*  
*Healthcare*  
*Transportation*  
*Public Safety*  

*Digital Signage*  
*Government and Education*  
*Control Rooms*

**AMD FirePro professional graphics provides certification for many leading applications, backed up by technical support to provide you with the reliability you deserve.**

- *The rigorous certification processes of many leading ISVs and OEMs put AMD FirePro technology through a battery of simulations and real-world scenarios to help ensure their readiness for demanding professional use.*

- *AMD Catalyst™ Pro unified drivers deliver not only the stability and reliability that is demanded by professional users, but also the convenience and ease of maintenance that is crucial for the IT team.*

- *AMD FirePro professional graphics are backed by a no-hassle limited warranty and global technical support services.[2]*

| MODEL | MAXIMUM RESOLUTION | | | CONNECTIONS | | | PERFORMANCE | | | | INTERFACE | | | FEATURES | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | VGA | Dual-link DVI | DisplayPort | No. of display outputs | Outputs (adapters included) | Optional Adapters (not included) | Memory | Cooling | Maximum Power | OS Support (32- & 64-bit) | PCIe(x16) | PCIe(x1) | Form Factor | OpenGL | DirectX® |
| AMD FirePro™ 2270 | 1920 x 1200 | 2560 x 1600 | 2560 x 1600* | 2 | DMS-59 to DVI / DVI to VGA | DMS-59 to DisplayPort | 512MB DDR3 | Passive | 15w | Win8.1/Win7/Linux | • | • | HH/HL 1 Slot | 4.4 | 11 |
| ATI FirePro™ 2460 | 1920 x 1200* | 2560 x 1600 | 2560 x 1600 | 4 | Mini DisplayPort to DVI | Mini DisplayPort to VGA | 512MB GDDR5 | Passive | < 20w | Win8.1/Win7/Linux | • | | HH/HL 1 Slot | 4.4 | 11 |
| AMD FirePro™ W600 | 1920 x 1200 | 2560 x 1600 | 4096 x 2160 | 6 | N/A | Mini DisplayPort to DVI | 2GB GDDR5 | Active (fan) | 75w | Win8.1/Win7/Linux | • | | FH/HL 1 Slot | 4.4 | 12 |

# amd.com/firepro

# AMD FirePro™ S-Series GPUs for Data Centers
*High Performance Compute, Virtual Desktop Infrastructure (VDI), and Virtualized Workstations*

AMD FirePro™ S-Series GPUs are designed specifically for servers and data center environments. If you're looking for powerful GPUs to tackle high performance compute workloads, or considering a simple, secure and cost effective solution to virtualize your enterprise, there's always an answer to be found at AMD that will satisfy your needs.

## High Performance Compute

Our family of GPUs that cater to the HPC community include the AMD FirePro™ S9150, class leader in efficiency where it was ranked #1 on the November 2014 Green500 List[1], and the AMD FirePro™ S9170, equipped with 32GB of GDDR5 memory – the most GPU memory available on the market today[2]. These cards are optimized for OpenCL™, and are purpose built to address high-performance workloads, including application requirements for high single and double floating point performance. ECC memory support for increased computational accuracy, bi-directional low latency data transfers as well as a number of different tools that are readily available for developers, make these products a great investment for your GPU compute needs.

### AMD FirePro™ S9170
*The best GPU for compute just got better.*



### AMD FirePro™ S9150
*Unparalleled Performance Per Watt.[1]*



### AMD FirePro™ S9100
*Purpose-built for HPC.*



| MODEL | PERFORMANCE | | | | | | | | FEATURE | | | | | |
| | Compute Performance | | | | | | | | | | | | | |
| | Single Precision (TFLOPS) | Double Precision (TFLOPS) | GCN Stream Processors | Memory (GDDR5) | ECC Memory Support | Memory Bandwidth (GB/s) | Maximum Power | PCIe® Support | OpenCL™ | OpenGL | DirectX® | AMD PowerTune[3] | AMD STREAM | Warranty |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| FirePro S9170 | 5.24 | 2.62 | 2816 | 32GB | External | 320 | 275W | 3.0 | 2.0 | 4.4 | N/A | • | • | 3-yr |
| FirePro S9150 | 5.07 | 2.53 | 2816 | 16GB | External | 320 | 235W | 3.0 | 2.0 | 4.4 | 12 | • | • | 3-yr |
| FirePro S9100 | 4.22 | 2.11 | 2560 | 12GB | External | 320 | 225W | 3.0 | 2.0 | 4.4 | 12 | • | • | 3-yr |

**amd.com/firepro/hpc**

# Virtual Desktop Infrastructure (VDI)

## Pure Virtualized Graphics

The AMD FirePro™ S7150 and S7150 x2 server GPUs are based on AMD's Multiuser GPU (MxGPU) technology. Simplify your organization's virtualization setup by implementing an MxGPU solution. Keep user sessions isolated and secure with our industry-first, hardware-based Multiuser GPU technology. Achieve cost savings by virtualizing your enterprise, with no user-licensing fee required. IT Managers are free to configure MxGPUs meet the needs of their organization, whether it's for CAD and M&E workloads or simple office type applications. The AMD FirePro™ S7150 and S7150 x2 GPU represents a simple, secure and cost effective way of virtualizing your office environment.

### AMD FirePro™ S7150

### AMD FirePro™ S7150 x2

### Enhancements from Hardware Virtualization:

*Security: Guest memory isolation is enforced by a hardware protection mechanism*

*Support for SR-IOV FLR (Function Level Reset) preventing a rogue guest from crashing the entire system*

*Full support of IOMMU/VT-d system I/O virtualization standards*

| MODEL | PERFORMANCE | | | | | | | | | | | FEATURE | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Compute Performance | | | | | | | | | | | API Support | | | OS Support | | | | | | |
| | Single Precision (TFLOPS) | Double Precision (GFLOPS) | ECC Memory Support | Memory (GDDR5) | Interface (Bit) | Maximum Power | Bus Interface | Slots | Form Factor | Cooling: Passive Heat Sink | Cooling: Active Cooling Solution | OpenCL™ | OpenGL® | DirectX® | Microsoft® Windows 8.1 | Microsoft® Windows 7 | Linux® (32 or 64 Bit) | AMD PowerTune[1] | AMD Multiuser GPU | VMware® ESXi 6.0 Hypervisors | VMware® vSphere and Horizon suite applications |
| FirePro S7150 | 3.77 | 250 | Yes | 8GB | 256 | 150W | PCIe® x16 | 1 | Full height / Full length | • | • | 2.0 | 4.4 | 11.1 | • | • | • | • | • | • | • |
| FirePro S7150 x2 | 7.54 (2x 3.77) | 500 (2x 250) | Yes | 16GB (2x8GB) | 256 | 265W | PCIe® x16 | 2 | Full height / Full length | • | | 2.0 | 4.4 | 11.1 | • | • | • | • | • | • | • |

**amd.com/firepro/virtualization**