



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™ S9170, class leader in efficiency where it was ranked #1 on the November 2014 Green500 List¹, and the AMD FirePro™ S9170, equipped with 32GB of GDDR5 memory – the most GPU memory available on the market today². 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.

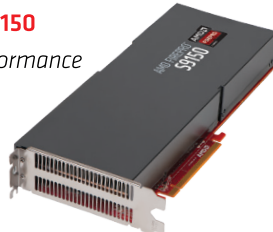
AMD FirePro™ S9170

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		CCN Stream Processors	Memory (GDDR5)	ECC Memory Support	Memory Bandwidth (GB/s)	Maximum Power	PCIe® Support	OpenCL™	OpenCL	DirectX®	AMD PowerTune ³	AMD STREAM	Warranty
Single Precision (TFLOPS)	Double Precision (TFLOPS)													
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





AMD FirePro™ S-Series GPUs for Data Centers

High Performance Compute, Virtual Desktop Infrastructure (VDI), and Virtualized Workstations

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			Memory (GDDR5)	Interface (bit)	Maximum Power	Bus Interface	Slots	Form Factor	Cooling: Passive Heat Sink	Cooling: Active Cooling Solution	API Support			OS Support					
	Single Precision (TFLOPS)	Double Precision (GFLOPS)	ECC Memory Support									OpenCL™	OpenCL®	DirectX®	Microsoft® Windows 8.1	Microsoft® Windows 7	Linux® (32 or 64 Bit)	AMD PowerTune¹	AMD Multiuser GPU	VMware® ESXi 6.0 Hypervisors
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

1. L-CSC Cluster powered by AMD FirePro™ S9150 GPUs <http://www.green500.org/news/green500-list-november-2014>
 2. AMD FirePro™ S9170 is equipped with 32 GB GDDR5 memory, while Nvidia's K40 offers 12GB GDDR5, and Nvidia's dual GPU K80 offers 24GB GDDR5 (12GB per GPU). Visit <http://www.nvidia.com/object/tesla-servers.html> for Nvidia product specs. FP-135

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