



AMD FirePro™ Professional Graphics for CAD & Engineering and Media & Entertainment

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 ultra high-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



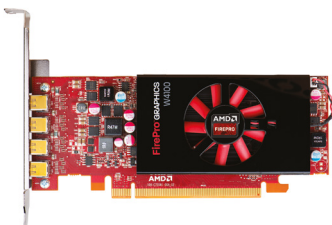
The new AMD FirePro W7100 graphics card delivers 8GB of memory, application performance and special features that media and entertainment and design and engineering professionals need to take their projects to the next level.

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™ 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.





AMD FirePro™ Professional Graphics for CAD & Engineering and Media & Entertainment

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	DISPLAY				PERFORMANCE									FEATURES																
	Maximum resolution per display output	DVI-I	DisplayPort	No. of display outputs	Compute Performance		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	3D Stereo Connectivity	FrameLock/Genlock	FreeSync****	Warranty				
					Single Precision (GFLOPS)	Double Precision (GFLOPS)																								
AMD FirePro W9100	4096x2160	N/A**	6 Mini	6	5240	2620		2816	16GB GDDR5	Yes	320	275w	3.0	Windows 8.1 Windows 7 Linux	•	2.0	4.4	12	5	•	•	•	•	•	•	•	•	•	3 yr.	
AMD FirePro W8100	4096x2160	N/A**	4	4	4200	2100		2560	8GB GDDR5	Yes	320	220w	3.0		•	2.0	4.4	12	5	•	•	•	•	•	•	•	•	•	•	3 yr.
AMD FirePro W7100	4096x2160	N/A**	4	4	3300	206		1792	8GB GDDR5	No	160	<150w	3.0		•	2.0	4.4	12	5	•	•	•	•	•	•	•	•	•	•	3 yr.
AMD FirePro W5100	4096x2160	N/A**	4	4	1430	89.2		768	4GB GDDR5	No	96	<75w	3.0		•	2.0	4.4	12	5	•	•	•	•	•	•	•	•	•	•	3 yr.
AMD FirePro W4100	4096x2160	N/A**	4 Mini	4	645	40		512	2GB GDDR5	No	64	50w	3.0			1.2	4.4	12	5			•	•							3 yr.
AMD FirePro W2100	4096x2160	N/A**	2	2	403	25		320	2GB GDDR3	No	28.8	26w	3.0			1.2	4.4	12	5			•	•							3 yr.
AMD FirePro W9000	4096x2160	N/A**	6 Mini	6	3990	1000		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		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		1280	4GB GDDR5	No	154	<150w	3.0		•	1.2	4.4	12	5	•	•	•	•	•	•	•	•	•	•	3 yr.
AMD FirePro W5000	4096x2160	1***	2	3	1270	79.2		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		2GB GDDR5	No	160	143w	2.1		•	1.2	4.4	11	5	•	•			•	•					3 yr.
AMD FirePro V5900	2560x1600	1	2	3	610	154	512		2GB GDDR5	No	64	75w	2.1		•	1.2	4.4	11	5	•	•									3 yr.
AMD FirePro V4900	2560x1600	1	2	3	768	n/a	480		1GB GDDR5	No	64	75w	2.1			1.2	4.4	11	5											3 yr.
AMD FirePro V3900	2560x1600	1	1	2	624	n/a	480		1GB GDDR3	No	28.8	50w	2.1			1.2	4.4	11	5											3 yr.

* AMD plans to release OpenCL 2.0 drivers for enabled cards in Q4 2014; conformance testing is planned at that time. Previous generation products may not support OpenCL 2.0.

** DVI-D via Adapter

*** 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.



AMD FirePro™ Professional Graphics for Finance and Display Wall Applications

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 displays¹ with a single graphics card – an industry first.

- Supports PCI Express (PCI-E) 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.



DVI to VGA adapter (x2)

AMD FirePro™ 2460 (Quad Output)

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



Mini DisplayPort to DVI (x4)

AMD FirePro™ W600 (Six Output)

The industry's most powerful solution for multimonitor display walls.²



Mini DisplayPort to DVI (optional)



AMD FirePro™ Professional Graphics for Finance and Display Wall Applications

Designed to help IT more easily configure and deploy multidisplay setups for employees. Offering ultra high-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 warranty and global technical support services³

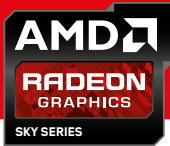
MODEL	MAXIMUM RESOLUTION			CONNECTIONS			PERFORMANCE			INTERFACE			FEATURES		
	VGA	Dual-link DVI	DisplayPort	No. of display outputs	Outputs (adapters included)	Optional Adapters (not included)	Memory	Cooling	Maximum Power	OS Support (32- & 64-bit)	PCI-E(x16)	PCI-E(x1)	Form Factor	OpenGL	DirectX®
AMD 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

1. 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.

2. AMD FirePro™ W600 is a single-slot solution featuring 2GB GDDR5 memory, multi-stream audio support and six Mini DisplayPort outputs, compared to the single-slot Maxto M-9188 with eight Mini DisplayPort outputs and 1G or 2GB of DDR2 memory, consuming 75W maximum power. As of August 2014, Matrox does not offer any product with GDDR5 memory that supports DisplayPort 1.2 and multi-stream audio support, and Nvidia does not offer a single-slot solution capable of driving six or more displays without DisplayPort 1.2 MST hubs. FP-26

3. Toll free hotline available in United States, Canada.



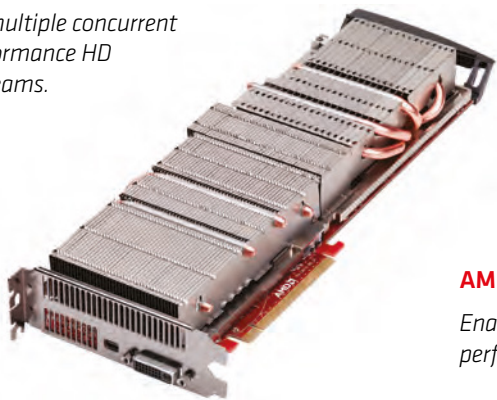
AMD Radeon™ Sky Series Graphics Cards for Cloud Gaming

Designed to address the emerging needs of the Cloud Gaming market, AMD Radeon Sky Series graphics cards enable service providers to stream PC and console-quality gaming experiences to virtually any device, anywhere.

The AMD Radeon™ advantage. Raise the settings, increase the resolution and play your favorite games. Gamers streaming from the cloud can achieve the full AMD Radeon™ gaming experience they've come to know and love on their desktops but now on any device they choose.

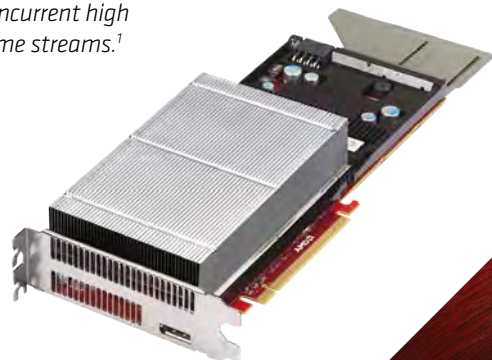
AMD Radeon™ Sky 900

Enables multiple concurrent high performance HD game streams.



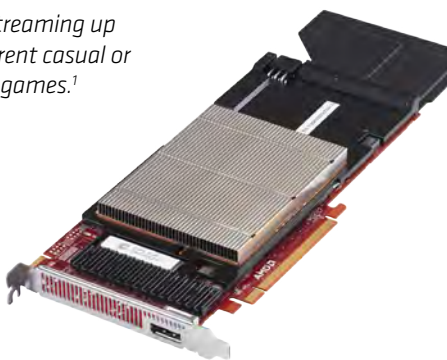
AMD Radeon™ Sky 700

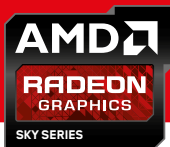
Enables up to six concurrent high performance HD game streams.¹



AMD Radeon™ Sky 500

Capable of streaming up to six concurrent casual or mainstream games.¹





AMD Radeon™ Sky Series Graphics Cards for Cloud Gaming

Cloud Gaming

AMD Radeon™ Sky Series graphics cards feature AMD's award winning Graphics Core Next Architecture for spectacular gaming performance and power efficiency. Equipped with the latest technologies, including PCIe® 3.0 support, DirectX® 11.1 support, and AMD RapidFire technology, the sky's the limit for cloud gaming. With AMD Radeon™ Sky Series cloud gaming service providers can maximize existing infrastructure and resources to support even more simultaneous game streams ranging from social and casual games to AAA titles.

AMD RapidFire Technology

“Secret sauce” is an elusive quality that makes something distinctive or special. It's hard to put your finger on, but you know it when you see it. When it comes to AMD Radeon™ Sky series graphics for cloud gaming, our secret sauce is AMD RapidFire technology.

AMD RapidFire technology is a combination of hardware and software that enables cloud gaming partners to benefit from an open API that simplifies the manipulation of key hardware controls to provide HD visual quality, minimal latency and optimal network bandwidth resulting in a compelling and responsive gaming experience from any device over the internet. In line with AMD's commitment to industry standard APIs, like OpenCL™, DirectX® and OpenGL, an industry standard API for cloud gaming will help to align the industry around one platform and drive continued innovations that benefit the industry at large.

AMD RapidFire leverages certified cloud gaming middleware from 3rd parties, such as from CiiNOW, G-cluster Global, Leap Computing and Ubitus, to simplify the manipulation of key hardware controls and provide HD visual quality, minimal latency and optimal network bandwidth resulting in a compelling and responsive cloud gaming experience to virtually any device, anywhere.

MODEL	PERFORMANCE					FEATURES								DISPLAY		
	Stream Processors	Memory (GDDR5)	Memory Bandwidth (GB/s)	Maximum Power	PCIe® Support	OpenCL™	OpenGL	DirectX®	AMD PowerTune ²	AMD ZeroCore Power ²	AMD RapidFire	AMD FirePro™ Driver	AMD Radeon™ Driver	Warranty (Years)	DVI	DisplayPort 1.2
Sky 900	3584 (2 x1792)	6GB	2x240	300W	3.0	1.2	4.3	11.1	•		•	No	Yes	3	1	1 Mini DP
Sky 700	1792	6GB	264	225W	3.0	1.2	4.3	11.1	•	•	•	No	Yes	3		1
Sky 500	1280	4GB	154	150W	3.0	1.2	4.3	11.1	•	•	•	No	Yes	3		1



amd.com/radeonsky

1. Test conducted at AMD measuring the ability of a Colfax CX 1250-N4 1U rack mount server with CiiNOW Cumulus Cloud Services version 2.0 running on an AMD Opteron™ 6380 16 core server processor with one AMD Radeon Sky Series model 700 or one Sky Series Model 500, 32GB RAM, and video driver 12.10.17.1 to stream to games simultaneously. At 60 FPS and 720p resolution, three streams were achieved; at 30 FPS and 720p, six streams were achieved. Three games: LEGO® Batman™, Harry Potter™ Years 1-4, and Devil May Cry; six games: Trine, LEGO® Batman™, LEGO® Harry Potter™ Years 1-4 and Years 5-7, Far Cry 3, and CardBoard Castle. FP-77

2. AMD PowerTune and AMD ZeroCore Power are technologies offered by certain AMD Radeon™ and 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.



AMD FirePro™ S-Series Server Cards for Data Centers

GPU Compute, Virtual Desktop Infrastructure (VDI) and Virtualized Workstations

Designed for use in servers and data center environments, AMD FirePro™ S-Series server cards can power virtual machines and enable graphics accelerated desktop experiences, or tackle compute-centric workloads and accelerate many applications beyond just graphics.

AMD FirePro™ S9150

The most powerful server GPU card ever built.¹



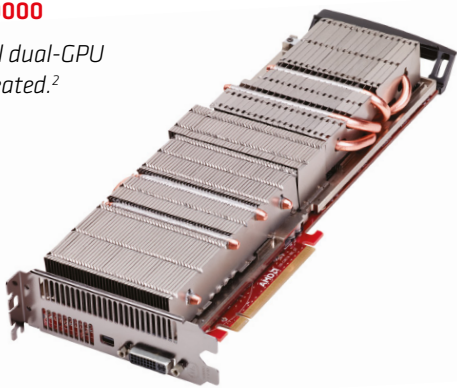
AMD FirePro™ S9100

Purpose built for HPC.



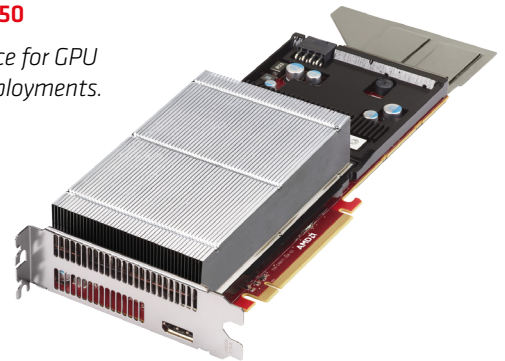
AMD FirePro™ S10000

The most powerful dual-GPU server card ever created.²



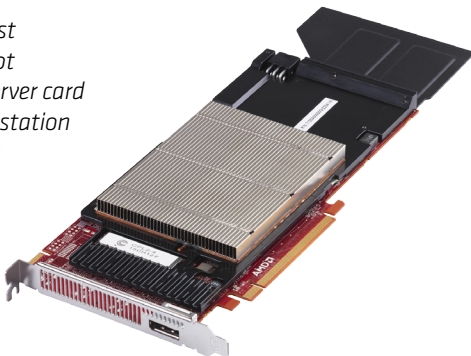
AMD FirePro™ S9050

Flexible performance for GPU compute or VDI deployments.



AMD FirePro™ S7000

The industry's most powerful single-slot multifunctional server card for compute, workstation graphics and VDI.³



AMD FirePro™ R5000

Enables full workstation computing experiences over the corporate IP network.





AMD FirePro™ S-Series Server Cards for Data Centers

GPU Compute, Virtual Desktop Infrastructure (VDI) and Virtualized Workstations

GPU Compute



AMD FirePro S-Series cards support AMD STREAM technology, a set of GPU hardware and software features designed specifically to address high-performance workloads and workflows, including application requirements

for high single and double floating point performance, ECC Memory support for increased computational accuracy, bi-directional low latency data transfers, and more.

AMD FirePro S-Series cards are optimized for OpenCL™, the open and cross-platform programming standard used for general-purpose computations. When combined with the AMD APP Acceleration Software Development Kit and AMD supported development tools such as compilers and libraries, developers and customers can take full advantage of AMD FirePro S-Series for GPU compute.

VDI and Virtualized Workstations



Built on the powerful AMD Graphics Core Next Architecture and with GPU acceleration for mainstream virtualization technologies, AMD FirePro™ S-Series server cards can be tapped to deploy virtual desktops for specialized design

and engineering professionals as well as traditional knowledge workers. AMD FirePro S-series cards support AMD SKY technology and are capable of delivering high quality graphics, low latency application streaming from the Cloud, as well as enable remote access to user desktops. AMD FirePro S-Series server cards are compatible with leading virtualization technologies from Citrix, Microsoft and VMware.

The AMD FirePro family also includes the AMD FirePro™ R5000 remote graphics card, a one of a kind product that is capable of delivering a full workstation class computing experience over the corporate network to users via a PCoIP enabled software or hardware client. Featuring the latest PCoIP host processor from Teradici, the R5000 is capable of delivering uncompromised quality of graphics and multi-media on par with a physical desktop, including multi-monitor support.

MODEL	PERFORMANCE									FEATURE								DISPLAY		
	Compute Performance		GCN Stream Processors	Memory (GDDRS)	ECC Memory Support	Memory Bandwidth (GB/s)	PCoIP Host Processor	Maximum Power	PCIe® Support	OpenCL™	OpenCL	DirectX®	AMD PowerTune ⁴	AMD ZeroCore Power ⁴	AMD STREAM	AMD SKY	Ethernet Port	Warranty	DVI	DisplayPort 1.2
Single Precision (TFLOPS)	Double Precision (TFLOPS)																			
FirePro S10000 [Passive Cooling]	5.91	1.48	2x1792	6GB or 12GB	Internal/ External	2x240	No	375W	3.0	1.2	4.4	12	•	•	•	No	3yr	1	1 Mini DP	
FirePro S9150	5.07	2.53	2816	16GB	External	320	No	235W	3.0	2.0 ⁵	4.4	12	•	•		No	3yr	N/A	N/A	
FirePro S9100	4.22	2.11	2560	12GB	External	320	No	225W	3.0	2.0 ⁵	4.4	12	•	•		No	3yr	N/A	N/A	
FirePro S9050	3.23	.806	1792	12GB	Internal/ External	264	No	225W	3.0	1.2	4.4	12	•	•	•	No	3yr		1	
FirePro S9000	3.23	.806	1792	6GB	Internal/ External	264	No	225W	3.0	1.2	4.4	12	•	•	•	No	3yr		1	
FirePro S7000	2.4	.152	1280	4GB	No	154	No	150W	3.0	1.2	4.4	12	•	•	•	No	3yr		1	
FirePro R5000	1.3	.792	768	2GB	No	102.4	1 TERA2	150W	3.0	1.2	4.4	12	•	•		•	1	3yr		2x Mini DP ⁶

amd.com/firepro

1. AMD FirePro™ S9150 max power is 235W and delivers up to 2.53 TFLOPS peak double and up to 5.07 peak single precision floating point performance. Nvidia's highest performing server cards in the market as of June 2014 are the Tesla K40, max power of 235W, with up to 1.43 TFLOPS peak double and up to 4.29 peak single, and the K10, max power 225W, with up to 4.58 TFLOPS peak single and 190 GFLOPS peak double precision. Visit <http://www.nvidia.com/object/tesla-servers.html> for Nvidia product specs. FP-97
2. AMD FirePro™ S10000 delivers up to 5.91 TFLOPS of peak single precision and 1.48 TFLOPS of peak double precision floating point performance, compared to Nvidia Tesla K10 that is capable of up to 4.58 TFLOPS of peak single precision and 190 GFLOPS double precision peak floating point performance. Visit <http://www.nvidia.com/object/tesla-servers.html> for Nvidia product specs. Comparison as of 10/31/12. FP-65
3. AMD FirePro™ S7000 delivers 2.4 TFLOPS of peak single precision floating point performance, compared to Nvidia Tesla M2075 that is capable of 1.03 TFLOPS peak single precision. As of October 2013, Nvidia doesn't offer a single-slot server product. Visit <http://www.nvidia.com/object/tesla-servers.html> for Nvidia product specs. FP-58
4. AMD PowerTune and AMD ZeroCore Power are technologies offered by certain AMD Radeon™ and 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.
5. OpenCL 1.2 conformance expected for S9150 and S9100. AMD plans to release OpenCL 2.0 drivers for enabled AMD FirePro S9150 server cards in Q4 2014; conformance testing is planned at that time. Previous generation AMD FirePro products may not support OpenCL 2.0. OpenCL and the OpenCL logo are trademarks of Apple Inc. used by permission by Khronos.
6. Can drive up two local displays plus an additional two remote displays, for a total of four displays; requires a Dell Wyse P45 or other Teradici TERA2 compatible thin or zero client for remote displays. For more information visit <http://www.teradici.com/product-finder/zero-clients>.