AMD FirePro™ W8100 Product Information Sheet

Product Name	AMD FirePro™ W8100		
Product Class	High-End Professional Graphics / Workstation		
AMD 100-xxx Part Number	100-505738		
Sapphire Sku OPN	31004-47-40A		
Estimate MSRP	TBD	**Planned EOL**	August 2017
Memory Size & Type	8 GB GDDR5	**Memory Bandwidth**	512-bit interface 320 GB/s
Number of Compute Units	40 CUs, 2560 Stream Processor		
Compute Power (TFLOPS, Theoretical Max)	4.2 TFLOPS Single Precision 2.1 TFLOPS Double Precision		
Base Engine Clock	824 MHz		
Cooling	Discreet active fansink	**Form Factor**	FH/FL (11" x 4.376") Dual Slot
Max Resolution	4096 x 2160 (with Display Port 1.2)	**Max Power Consumption**	220 W
Display Outputs	- 4 x Display Port outputs supporting Display Port 1.2 - 1 x VESA 3-pin Stereo Sync Connector - 1 x Framelock/Genlock Synchronization Connector		
Bus Interface	PCIe x16 Gen 3.0		
API Support	- OpenGL 4.4 - Microsoft DirectX 11.1 - OpenCL 2.0		
Retail Package Contents	- AMD FirePro™ W8100 Professional Graphics - Dual Extender Bracket - 2 x DisplayPort to Single-Link DVI (Active) - Installation Driver CD - Quick Installation Guide - Sapphire: AMD FirePro™ Products Mini Brochure		
Operating Systems Supported	32-bit and 64-bit for Microsoft Windows 7, Windows 8, Windows 8.1 and Linux		
Application Optimizations / Certifications	All major Workstation applications supported for performance tuning and certification		

System Requirements	- PCI® Express x16 (Dual Slot), 3.0 for optimal performance
	- 750 watt or better PSU with two (2) 6-pin power connectors
	- 8 GB of system memory to take advantage or 16 GB Frame Buffer
	- Internet connection for driver download and installation
	- 32-bit and 64-bit for Microsoft Windows 7, Windows 8, Windows 8.1 and Linux
Regulatory Compliance	FCC, CE, C-Tick, BSMI, KCC, UL, VCCI, RoHS, WEEE
Anticipated performance (Tell us what the performance delta is from the previous generation and where it sites in relation to the products within new series)	This product is the high performance graphics card in the market targeted at M&E and Design and Engineering workflows that reply on OpenCL™ to deliver best-in-class compute performance increasing overall productivity of professional users The AMD FirePro™ W8100 offers segment leading performance in ViewPerf 12 and compute benchmarks
Key Features	- GCN Architecture
	- Display Port 1.2
	- Microsoft DirectX 11.1
	- OpenGL 4.4
	- OpenCL 1.2 (Supports OpenCL 2.0, conformance testing will when driver is available in Q3 timeframe)
	- DOPP
	- SDI/DirectGMA
	- Framelock / Genlock (Requires AMD FirePro S400 Sync Module)
	- 3D Stereo
	- 10-bit
	- Projector overlap and Bezel compensation
Target Audience	High-end Workstation Users
Target Market	- Media and Entertainment
	- High-End CAD
	- Engineering (CAE / CAM)
	- High-end Display Walls
Competitive Landscape	Competes with NVIDIA Quadro K5000 and "Maximus" workflows with Tesla K20, K20X, and K40 products
Transition Plan (From previous generation, if applicable)	Replaces AMD FirePro™ W8000 which AMD may have
	- Last Time Buy around 31st May 2015
	- Last Time Ship around 30th August 2015