

## AMD FirePro™ W4100 Product Information Sheet

<b>Product Name</b>	AMD FirePro™ W4100		
<b>Product Class</b>	Entry-Mid Level		
<b>AMD 100-xxx Part Number</b>	100-505817		
<b>Sapphire Sku OPN</b>	31004-51-40A		
<b>Estimate MSRP</b>	TBD	<b>Planned EOL</b>	2019
<b>Memory Size &amp; Type</b>	2GB DDR5	<b>Memory Bandwidth</b>	128-bit interface Up to 72 GB/s
<b>Number of Compute Units</b>	8 CUs, 512 Stream Processors		
<b>Compute Power (TFLOPS, Theoretical Max)</b>	645.1 GFLOPS Single precision 40.3 GFLOPS Dual precision		
<b>Base Engine Clock</b>	630 MHz		
<b>Cooling</b>	Discreet active fansink	<b>Form Factor</b>	Low Profile Single Slot
<b>Max Resolution</b>	4096 x 2160 (with DisplayPort 1.2a)	<b>Max Power Consumption</b>	50 W
<b>Display Outputs</b>	4 x Display Port outputs supporting Display Port 1.2a		
<b>Bus Interface</b>	PCIe x16 Gen 3.0		
<b>API Support</b>	<ul style="list-style-type: none"> <li>- OpenGL 4.3</li> <li>- Microsoft DirectX 11.1 / 12</li> <li>- OpenCL 1.2</li> </ul>		
<b>Retail Package Contents</b>	<ul style="list-style-type: none"> <li>- AMD FirePro™ W4100 Professional Graphics</li> <li>- 1 x Low Profile Bracket</li> <li>- 1 x Mini DisplayPort to Single-Link DVI (Passive)</li> <li>- Installation Driver CD</li> <li>- Quick Installation Guide</li> <li>- Sapphire: AMD FirePro™ Products Mini Brochure</li> </ul>		
<b>Operating Systems Supported</b>	32-bit and 64-bit for Microsoft Windows 7, Windows 8, Windows 8.1 and Linux		
<b>Application Optimizations / Certifications</b>	Major Workstation applications supported for performance tuning and certification		

<b>System Requirements</b>	<ul style="list-style-type: none"> <li>- PCI® Express x16, 3.0 for optimal performance</li> <li>- 500 watt or better PSU</li> <li>- 2 GB of system memory to take advantage</li> <li>- Internet connection for driver download and installation</li> <li>- Microsoft Windows 7, Windows 8, Windows 8.1 and Linux (32-bit and 64-bit)</li> </ul>
<b>Regulatory Compliance</b>	<p>FCC, CE, C-Tick, BSMI, KCC, UL, VCCI, RoHS, WEEE</p>
<b>Anticipated performance</b> (Tell us what the performance delta is from the previous generation and where it sits in relation to the products within new series)	<ul style="list-style-type: none"> <li>- Approximately 40% faster than AMD FirePro™ V4900 in SPECviewperf 12 geometric mean</li> <li>- AMD FirePro™V4900 SPECviewperf 12 geometric mean = 7.5 (estimates)</li> <li>- AMD FirePro™W4100 SPECviewperf 12 geometric mean = 11.1 (estimates)</li> <li>- K2000 SPECviewperf 12 geometric mean = 11.0 (estimates)</li> </ul> <p>Note: Geometric mean is often used when comparing different items. In this instance, geomean is used to compare different viewset scores within SPECviewperf 12</p>
<b>Key Features</b>	<ul style="list-style-type: none"> <li>- AMD Graphics Core Next Architecture, 28nm</li> <li>- 4 x mini-DisplayPort outputs, with DisplayPort 1.2a and HBR2 support</li> <li>- Low profile form factor</li> <li>- 2GB GDDR5 memory</li> <li>- Low power consumption, max power 50W</li> <li>- DirectX® 11.2 / 12</li> <li>- OpenGL 4.3 (4.4 support planned for 14.301 driver release)</li> <li>- OpenCL™ 1.2 (will not support OpenCL 2.0)</li> <li>- 10-bit color</li> <li>- AMD Eyefinity multi-display technology</li> </ul>
<b>Target Audience</b>	<p>Entry-mid level 3D workstation</p>
<b>Target Market</b>	<p>Design and Engineering is the primary target</p>
<b>Competitive Landscape</b>	<p>Compared to the Quadro K2000 that offers three display outputs, the AMD FirePro™ W4100 offers four display outputs and tremendous performance per dollar advantage. In addition, the AMD FirePro™ W4100 features a low profile form factor while the K2000 is a full height / half-length card, has 1GB GDDR5 and offers 2x DP and DVI.</p>
<b>Transition Plan</b> (From previous generation, if applicable)	<p>The AMD FirePro™ W4100 represents a new class of its own that will address the AMD FirePro 2460 and AMD FirePro™ V4900 segments.</p> <p>The Quad Outputs, AMD FirePro™ 2460, is featured with low power with passive heatsink that will serve into the market parallel with AMD FirePro™ W4100</p>

