

AMD FirePro™ W7100 Product Information Sheet

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| Product Name | AMD FirePro™ W7100 Professional Graphics | | |
| Product Class | High-End Workstations | | |
| AMD 100-xxx Part Number | 100-505724 | | |
| Sapphire Sku OPN | 31004-54-40A | | |
| Estimate MSRP | TBD | Planned EOL | August 2017 |
| Memory Size & Type | 8GB GDDR5 | Memory Bandwidth | 256-bit interface Up to 160 GB/s |
| Number of Compute Units | 28 CUs, 1792 Stream Processors | | |
| Compute Power (TFLOPS, Theoretical Max) | 3.3 TFLOPS Single Precision 206 GFLOP Double Precision | | |
| Cooling | Discreet active fansink | Form Factor | FH (9.5" X 3.75") Single Slot |
| Max Resolution | 4096 x 2160 (with DisplayPort 1.2) | Max Power Consumption | < 150 W |
| Display Outputs | 4 x Display Port outputs supporting Display Port 1.2a (with Adaptive-sync) 1 x Framelock/Genlock Synchronization Connector (Requires S400 Sync Module) 1 x 3D Stereo output (Requires additional 3D Stereo Connector Bracket) | | |
| Bus Interface | PCIe x16 Gen 3.0 | | |
| API Support | <ul style="list-style-type: none"> - OpenGL 4.4 - Microsoft DirectX 11.2 / DirectX 12 - OpenCL 1.2 (2.0 Ready) - AMD Mantle | | |
| Retail Package Contents | <ul style="list-style-type: none"> - AMD FirePro™ W7100 Professional Graphics - 2 x DisplayPort to Single-Link DVI (passive) - 1 x Graphics Card Extender Retention Mechanism - Installation Driver CD - Quick Installation Guide - Printed Bracket Installation Insert - 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 | | |

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| Application Optimizations / Certifications | All major Workstation applications supported for performance tuning and certification |
| System Requirements | <ul style="list-style-type: none"> - PCI® Express x16 (single slot slot), 3.0 for optimal performance - Power supply with one 6-pin AUX power connector - 8 GB of system memory - 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 sits in relation to the products within new series) | <p>This product is a high performance graphics card in the market targeted at M&E and Design and Engineering workflows that rely on OpenCL™ to deliver best-in-class compute performance increasing overall productivity of professional users</p> <p>The FirePro W7100 offers segment leading value in VP12 and compute benchmarks and can decode multiple 4K 60Hz H.264 video streams</p> |
| Key Features | <ul style="list-style-type: none"> - AMD GCN Architecture - GeometryBoost with Quad Primitive throughput - 8GB GDDR5 memory - Ultra HD Media Engine - DisplayPort 1.2a (with support for Adaptive-Sync) - OpenCL™ 1.2 (ready for OpenCL 2.0, planned for Q4 2014 timeframe) - OpenGL 4.4 - DirectX 11.2 (DirectX 12 Ready) - Direct Graphics Memory Access (DGMA) / SDI - ISV Certifications - DOPP - Framelock/Genlock (Requires FirePro S400 Sync Module) - 3D Stereo via AMD HD3D Pro support - High bandwidth display scaler - AMD Eyefinity technology - FreeSync technology - 10-bit color - Projector overlap and bezel compensation - AMD PowerTune and ZeroCore Power technologies |

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| Target Audience | High-end workstation users |
| Target Market | <ul style="list-style-type: none"> - Primary <ul style="list-style-type: none"> Media and Entertainment High-End CAD (CATIA and Siemens NX) Engineering (CAE/CAM) - Secondary <ul style="list-style-type: none"> High-end Display Walls Medical Imaging |
| Competitive Landscape | <p>Competes with NVIDIA Quadro K4200, offering:</p> <ul style="list-style-type: none"> • Better price/performance • 4x DisplayPort outputs on the board • Up to 6 Displays supported via MST with DP 1.2 and AMD Eyefinity technology • 2x Framebuffer size • UltraHD Media Engine capable of encoding and decoding 2x 4K 60Hz H.264 streams with no impact to graphics/compute performance • ZeroCore Power for maximum power savings |
| Transition Plan (From previous generation, if applicable) | Replaces AMD FirePro W7000 which goes EOL on 8/30/2015 |



