



AMD FirePro™ Unified Driver 14.502.1019 Release Notes

AMD FirePro™ professional graphics cards are designed to accelerate 3D and Server workstation applications. With full certification on the leading computer aided design (CAD), media and entertainment (M&E) and architecture/engineering/construction (AEC) applications, AMD FirePro is the high performance choice for graphics professionals. These release notes provide information on the AMD FirePro Unified Driver version 14.502.1019.

These release notes provide information on the following:

- *Workstation Product Family and Operating System Support*
- *Linux Distributions Supported*
- *Supported Technologies*
- *Known Issues*



Note: The AMD FirePro Unified Driver does not support the Intel Itanium 2 processor based server platforms.



Caution: Pre-unified drivers (7.88 or older) should be un-installed before installing the AMD FirePro Unified Driver.

Workstation Product and Operating System Support

The AMD FirePro Unified Driver version 14.502.1019 is designed to support the following AMD products and operating systems:

Workstation Devices	Windows 7® 32Bit 64Bit	Windows 8.1® 32Bit 64Bit
AMD FirePro W9100	Yes	Yes
AMD FirePro W9000	Yes	Yes
AMD FirePro W8100	Yes	Yes
AMD FirePro W8000	Yes	Yes
AMD FirePro W7100	Yes	Yes
AMD FirePro W7000	Yes	Yes
AMD FirePro W5100	Yes	Yes
AMD FirePro W5000	Yes	Yes
AMD FirePro W4100	Yes	Yes
AMD FirePro W2100	Yes	Yes
AMD FirePro R5000	Yes	Yes
AMD FirePro W600	Yes	Yes
AMD FirePro A320 APU	Yes	Yes
AMD FirePro A300 APU	Yes	Yes
ATI FirePro V9800	Yes	Yes
AMD FirePro V9800P	Yes	Yes
ATI FirePro V8800	Yes	Yes
AMD FirePro V7900	Yes	Yes
AMD FirePro V7900 SDI	Yes	Yes
ATI FirePro V7800	Yes	Yes
AMD FirePro V7800P	Yes	Yes
AMD FirePro V5900	Yes	Yes
ATI FirePro V5800	Yes	Yes
ATI FirePro V5800 DVI	Yes	Yes
AMD FirePro V4900	Yes	Yes
ATI FirePro V4800	Yes	Yes
AMD FirePro V3900	Yes	Yes
ATI FirePro V3800	Yes	Yes
ATI FirePro 2460	Yes	Yes
AMD FirePro 2270	Yes	Yes
ATI FirePro S400	Yes	Yes

Workstation Server Devices	Windows 7® 32Bit 64Bit	Windows 8.1® 32Bit 64Bit
AMD FirePro S10000	Yes	Yes
AMD FirePro S9150	Yes	Yes
AMD FirePro S9100	Yes	Yes
AMD FirePro S9050	Yes	Yes
AMD FirePro S9000	Yes	Yes
AMD FirePro S7000	Yes	Yes
AMD FirePro S4000X	Yes	Yes
AMD FireStream 9370	Yes	Yes
AMD FireStream 9350	Yes	Yes

Cloud Gaming Devices	Windows 7® 32Bit 64Bit	Windows 8.1® 32Bit 64Bit
Radeon SKY 900	Yes	Yes
Radeon SKY 700	Yes	Yes
Radeon SKY 500	Yes	Yes

Workstation Product API Support

Workstation Devices	DirectX®	OpenGL	OpenCL™
AMD FirePro W9100	11.1	4.4	2.0
AMD FirePro W9000	11.1	4.4	1.2
AMD FirePro W8100	11.1	4.4	2.0
AMD FirePro W8000	11.1	4.4	1.2
AMD FirePro W7100	11.1	4.4	2.0
AMD FirePro W7000	11.1	4.4	1.2
AMD FirePro W5100	11.1	4.4	2.0
AMD FirePro W5000	11.1	4.4	1.2
AMD FirePro W4100	11.1	4.4	2.0
AMD FirePro W2100	11.1	4.4	2.0
AMD FirePro R5000	11.1	4.4	1.2
AMD FirePro W600	11.1	4.3	1.2
AMD FirePro A320 APU	11	4.3	1.2
AMD FirePro A300 APU	11	4.3	1.2
ATI FirePro V9800	11	4.3	1.2
AMD FirePro V9800P	11	4.3	1.2
ATI FirePro V8800	11	4.3	1.2
AMD FirePro V7900	11	4.3	1.2
AMD FirePro V7900 SDI	11	4.3	1.2
ATI FirePro V7800	11	4.3	1.2
AMD FirePro V7800P	11	4.3	1.2
AMD FirePro V5900	11	4.3	1.2
ATI FirePro V5800	11	4.3	1.2
ATI FirePro V5800 DVI	11	4.3	1.2
AMD FirePro V4900	11	4.3	1.2
ATI FirePro V4800	11	4.3	1.2
AMD FirePro V3900	11	4.3	1.2
ATI FirePro V3800	11	4.3	1.2
ATI FirePro 2460	11	4.3	1.2
AMD FirePro 2270	11	4.3	1.2
ATI FirePro S400	-	-	-

Workstation Server Devices	DirectX®	OpenGL	OpenCL™
AMD FirePro S10000	11.1	4.4	1.2
AMD FirePro S9150	11.1	4.4	2.0
AMD FirePro S9100	11.1	4.4	2.0
AMD FirePro S9050	11.1	4.4	1.2
AMD FirePro S9000	11.1	4.4	1.2
AMD FirePro S7000	11.1	4.4	1.2
AMD FirePro S4000X	11.1	4.4	1.2
AMD FireStream 9370	11	4.3	1.2
AMD FireStream 9350	11	4.3	1.2

Cloud Gaming Devices	DirectX®	OpenGL	OpenCL™
Radeon SKY 900	11.1	4.4	1.2
Radeon SKY 700	11.1	4.4	1.2
Radeon SKY 500	11.1	4.4	1.2

Details on OpenCL API support and conformance with AMD FirePro professional graphics products can be found at:

<http://developer.amd.com/sdks/AMDAPPSDK/pages/DriverCompatibility.aspx>

New Features

Display Features

Eyefinity™ Pro

Eyefinity Pro provides users with the ability to expand display configurations beyond the output capabilities of a single graphics card. Use up to four graphics cards to drive up to 24 displays as a single desktop. A beta of this feature is now available through a special driver build option.

Eyefinity™ with 10-Bit Color Depth

Desktop configured in Eyefinity mode will now be able to drive projectors and displays that utilize 10-bit color depth.

AMD Freesync™ Support for Single GPU Product Configurations

AMD Freesync technology support is now available for single GPU configurations. For more information on how Freesync works, FAQ's and what products are currently supported, please visit the Freesync Technology Page :

<http://www.amd.com/en-us/innovations/software-technologies/technologies-gaming/freesync>

EDID Management With MST

EDID management provides the ability to emulate displays using the display's EDID values.

These values are retained by the driver so in the event a display is physically disconnected, the driver "remembers" the last display attached. This feature was originally designed for display walls with multiple displays attached to the graphics card. By enabling EDID management, display configurations are not reset (by the OS) if one or more displays is/are physically

unplugged. By adding MST support, EDID management capability is extended to displays and monitors connected to MST hubs.

Known Issues

This section provides a list of issues which may be experienced when using this release of the AMD FirePro Unified Driver on systems running the Windows or Linux operating systems.

Ticket #	Known Issues
398924	Flickering & tearing is observed while running Pulsar Stereo Sample in windowed & fullscreen mode
408167	Genlock regression using mixed monitor types
409122	Lower occupancy from VGPRs pressure
410857	Queuing 2 kernels which spills in the same queue give incorrect result
411219	[OpenCL Compiler] -cl-opt-optimisation impact the result in both AMDIL
411374	10-bit and Virtual Super Resolution checkboxes are not mutually exclusive in CCC although functionality should be
413211	64b addressing for OCL kernels under Linux is much slower than 32b addressing
413478	Corruptions/Black shade observed on certain application 3D models
413728	Setting DP 1.2 compatibility mode on ZR24x panel with daisy-chained panel may trigger soft recovery
414173	[Multiple Asic] View log report shows "AMD Radeon Graphics Processor" from 2nd ASIC
414258	Application does not responds for few seconds, while running 'SDI ALLOCATION' test
415132	Transparency effect applied incorrectly
415667	Atikmpag component problematic on W5100 in some desktop configurations
416394	A mesh model in simulation mode may result in performance degradation
416398	Some stress tests may trigger soft recovery
416591	May experience instability when view switching in 3D animation software
416781	Instability observed when exiting 3D animation software

Supported Technologies

Details on AMD FirePro professional graphics supported technologies can be found at:

<http://www.amd.com/en-us/innovations/software-technologies/firepro-graphics>

Additional Support

For additional support, visit our knowledgebase or contact us directly at:

<http://support.amd.com/us/contacts/Pages/global-technical-support.aspx>

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