



# AMD FirePro™ Unified Driver 12.104.2 Release Notes

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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 12.104.2.

These release notes provide information on the following:

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



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

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

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**Note:** When installing the AMD FirePro driver for Windows Vista®, the user must be logged on as an Administrator or have Administrator rights in order to successfully complete the installation of the AMD FirePro driver for Windows Vista®.

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## Workstation Product and Operating System Support

The AMD FirePro Unified Driver version 12.104.2 is designed to support the following AMD products and operating systems:

| Workstation Devices        | Windows Vista® 32Bit 64Bit | Windows 7® 32Bit 64Bit | Windows 8® 32Bit 64Bit | Linux |
|----------------------------|----------------------------|------------------------|------------------------|-------|
| AMD FirePro S10000         | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro S10000 Passive | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro W9000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro S9000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD Radeon SKY 900         | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro W8000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro W7000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro S7000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD Radeon SKY 700         | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro R5000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro W5000          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD Radeon SKY 500         | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro W600           | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro A320 APU       | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro A300 APU       | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V9800          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V9800P         | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V8800          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V7900          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V7900 SDI      | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V7800          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V7800P         | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V5900          | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V5800          | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V5800 DVI      | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V4900          | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V4800          | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro V3900          | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro V3800          | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro 2460           | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FirePro 2270           | Yes                        | Yes                    | Yes                    | Yes   |
| ATI FirePro S400           | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FireStream 9370        | Yes                        | Yes                    | Yes                    | Yes   |
| AMD FireStream 9350        | Yes                        | Yes                    | Yes                    | Yes   |

| <b>Workstation Devices</b>                  | <b>Windows<br/>Vista®<br/>32Bit<br/>64Bit</b> | <b>Windows<br/>7®<br/>32Bit<br/>64Bit</b> | <b>Windows<br/>8®<br/>32Bit<br/>64Bit</b> | <b>Linux</b> |
|---|---|---|---|--------------|
| AMD FirePro M6000<br>(Dell Precision M6700) | Yes   | Yes                                       | Yes                                       | No           |
| AMD FirePro M4000<br>(Dell Precision M4700) | Yes   | Yes                                       | Yes                                       | No           |
| AMD FirePro M8900<br>(Dell Precision M6600) | Yes   | Yes                                       | Yes                                       | No           |
| AMD FirePro M5950<br>(Dell Precision M4600) | Yes   | Yes                                       | Yes                                       | No           |
| AMD FirePro M7820<br>(Dell Precision M6500) | Yes   | Yes                                       | Yes                                       | No           |
| AMD FirePro M4000<br>(HP Elitebook 8770w)   | Yes   | Yes                                       | Yes                                       | Yes          |
| AMD FirePro M4000<br>(HP Elitebook 8570w)   | Yes   | Yes                                       | Yes                                       | Yes          |
| AMD FirePro M2000<br>(HP Elitebook 8470w)   | Yes   | Yes                                       | Yes                                       | Yes          |
| AMD FirePro M5950<br>(HP Elitebook 8760w)   | Yes   | Yes                                       | Yes                                       | Yes          |
| AMD FirePro M5950<br>(HP Elitebook 8560w)   | Yes   | Yes                                       | Yes                                       | Yes          |
| AMD FirePro M3900<br>(HP Elitebook 8460w)   | Yes   | Yes                                       | Yes                                       | Yes          |

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## Linux Distributions Supported

The latest version of the AMD FirePro software suite for Linux® is designed to support the following distributions:

- Red Hat Enterprise Linux® 6.3
- SUSE LINUX Enterprise Desktop (SLED) 10SP4, 11SP2
- SUSE LINUX Enterprise Server (SLES) 10SP4, 11SP2
- OpenSUSE 11.4, 12.1
- Ubuntu 11.10, 12.04, 12.10



**Note:** The AMD FirePro software suite for Linux® may install on a number of other Linux distributions. Refer to the Package Generation installation instructions for more information.



**Note:** AMD has accepted contributed packaging scripts to allow creation of other packages, but does not necessarily test, verify or warrant the reliability.

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## Workstation Product API Support

| Workstation Devices        | DirectX® | OpenGL | OpenCL™ |
|----------------------------|----------|--------|---------|
| AMD FirePro S10000         | 11.1     | 4.2    | 1.2     |
| AMD FirePro S10000 Passive | 11.1     | 4.2    | 1.2     |
| AMD FirePro W9000          | 11.1     | 4.2    | 1.2     |
| AMD FirePro S9000          | 11.1     | 4.2    | 1.2     |
| AMD Radeon SKY 900         | 11.1     | 4.2    | 1.2     |
| AMD FirePro W8000          | 11.1     | 4.2    | 1.2     |
| AMD FirePro W7000          | 11.1     | 4.2    | 1.2     |
| AMD FirePro S7000          | 11.1     | 4.2    | 1.2     |
| AMD Radeon SKY 700         | 11.1     | 4.2    | 1.2     |
| AMD FirePro R5000          | 11.1     | 4.2    | 1.2     |
| AMD FirePro W5000          | 11.1     | 4.2    | 1.2     |
| AMD Radeon SKY 500         | 11.1     | 4.2    | 1.2     |
| AMD FirePro W600           | 11.1     | 4.2    | 1.2     |
| AMD FirePro A320 APU       | 11       | 4.2    | 1.2     |
| AMD FirePro A300 APU       | 11       | 4.2    | 1.2     |
| ATI FirePro V9800          | 11       | 4.2    | 1.2     |
| AMD FirePro V9800P         | 11       | 4.2    | 1.2     |
| ATI FirePro V8800          | 11       | 4.2    | 1.2     |
| AMD FirePro V7900          | 11       | 4.2    | 1.2     |
| AMD FirePro V7900 SDI      | 11       | 4.2    | 1.2     |
| ATI FirePro V7800          | 11       | 4.2    | 1.2     |
| AMD FirePro V7800P         | 11       | 4.2    | 1.2     |
| AMD FirePro V5900          | 11       | 4.2    | 1.2     |
| ATI FirePro V5800          | 11       | 4.2    | 1.2     |
| ATI FirePro V5800 DVI      | 11       | 4.2    | 1.2     |
| AMD FirePro V4900          | 11       | 4.2    | 1.2     |
| ATI FirePro V4800          | 11       | 4.2    | 1.2     |
| AMD FirePro V3900          | 11       | 4.2    | 1.2     |
| ATI FirePro V3800          | 11       | 4.2    | 1.2     |
| ATI FirePro 2460           | 11       | 4.2    | 1.2     |
| AMD FirePro 2270           | 11       | 4.2    | 1.2     |
| ATI FirePro S400           | -        | -      | -       |
| AMD FireStream 9370        | 11       | 4.2    | 1.2     |
| AMD FireStream 9350        | 11       | 4.2    | 1.2     |

| <b>Workstation Devices</b>                  | <b>DirectX®</b> | <b>OpenGL</b> | <b>OpenCL™</b> |
|---|-----------------|---------------|----------------|
| AMD FirePro M6000<br>(Dell Precision M6700) | 11.1            | 4.2           | 1.2            |
| AMD FirePro M4000<br>(Dell Precision M4700) | 11.1            | 4.2           | 1.2            |
| AMD FirePro M8900<br>(Dell Precision M6600) | 11              | 4.2           | 1.2            |
| AMD FirePro M5950<br>(Dell Precision M4600) | 11              | 4.2           | 1.2            |
| AMD FirePro M7820<br>(Dell Precision M6500) | 11              | 4.2           | 1.2            |
| AMD FirePro M4000<br>(HP Elitebook 8770w)   | 11.1            | 4.2           | 1.2            |
| AMD FirePro M4000<br>(HP Elitebook 8570w)   | 11.1            | 4.2           | 1.2            |
| AMD FirePro M2000<br>(HP Elitebook 8470w)   | 11.1            | 4.2           | 1.2            |
| AMD FirePro M5950<br>(HP Elitebook 8760w)   | 11              | 4.2           | 1.2            |
| AMD FirePro M5950<br>(HP Elitebook 8560w)   | 11              | 4.2           | 1.2            |
| AMD FirePro M3900<br>(HP Elitebook 8460w)   | 11              | 4.2           | 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

The following new features and optimizations have been added to the AMD FirePro Unified Driver version 12.104.2:

- Added Radeon™ SKY Series Products
- Added FirePro S10000 Passive
- SDI support AMD FirePro™ W-Series products including W9000, W8000, W7000 and W5000/W5000 DVI (OpenGL, OpenCL™ and DirectX®)\*
- SDI support in Microsoft Windows 8 for AMD FirePro™ V7900 (DirectX 9 and 10)
- Support for custom display timings
- Support for Tridelity OpenGL stereo format
- DirectX Framelock and Genlock
- Performance improvements

\*DirectGMA support for FirePro W-Series products will be made available in upcoming driver releases.

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## Supported Technologies

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

<http://www.amd.com/us/products/workstation/graphics/Pages/workstation-graphics.aspx>

## 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.

| Known Issues   |
|--|
| [Mari] application stops responding when switching bump shader                                     |
| [Creo2.0] Corruption may be observed in graphics model while zooming                               |
| [FEMAP] Display corruption may occur when drawing in immediate mode using FirePro V7900            |
| [Softimage2013 SP1][Linux] White patch is observed in composition mode                             |
| [NX 8][NX 7.5] "File"→"Open" window fails to re-open on same monitor where it was closed           |
| [InStream] Application stops responding when greater than 8 monitors are connected                 |
| [Adobe Premiere-CS6] Resizing video within the workspace may cause application to stop responding. |

## 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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