



# ATI FirePro™/FireGL™ Unified Driver Version 8.85.7.3 Release Notes

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ATI's FirePro™/FireGL™ card is designed to accelerate 3D workstation applications. With full certification on the leading computer aided design (CAD), digital content creation (DCC) and architecture/engineering/construction (AEC) applications, ATI FirePro™/FireGL™ is the high performance choice for graphics professionals working in Windows. These release notes provide information on the ATI FirePro™/FireGL™ Unified Driver version 8.85.7.3.

These release notes provide information on the following:

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



**Note:** The ATI FirePro™/FireGL™ 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 ATI FirePro™/FireGL™ Unified Driver.

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**Note:** When installing the ATI FirePro™/FireGL™ Vista 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 ATI FirePro™/FireGL™ Vista driver.

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**Note:** The ATI FirePro™ RG220 driver does not install the ATI HD audio driver properly on Windows OS in some cases.

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## Workstation Product Family and Operating System Support

The ATI FirePro™/FireGL™ Unified Driver version 8.85.7.3 is designed to support the following ATI FirePro™/FireGL™ products and operating systems:

Workstation Devices	WHQL XP	WHQL XP64A	WHQL Vista32	WHQL Vista64	WHQL Win7 32	WHQL Win7 64	WHQL Server R2 64	Linux
ATI FirePro™ V9800	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V9800 P	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V8800	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V8750	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ V8700	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
AMD FirePro™ V7900	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AMD FirePro™ V7900 SDI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V7800	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V7800 P	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V7750	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
AMD FirePro™ V5900	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V5800	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V5800 DVI	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V5700	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
AMD FirePro™ V4900	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ V4800	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ V3800	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ V3750	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ V3700	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ 2460	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ 2450	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ 2270	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ S400	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro™ RG220	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireGL™ V8650	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireGL™ V8600	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireGL™ V7700	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireGL™ V7600	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireGL™ V5600	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireGL™ V3600	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FireMV™ 2260	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
ATI FirePro M5800 (HP EliteBook 8540w)	Yes	Yes	Yes	Yes	Yes	Yes	No	No
ATI FirePro M7740 (Dell Precision M6400)	Yes	Yes	Yes	Yes	Yes	Yes	No	No
ATI FirePro M7740 (Dell Precision M6500)	Yes	Yes	Yes	Yes	Yes	Yes	No	No
ATI FirePro M7820 (HP EliteBook 8740w)	Yes	Yes	Yes	Yes	Yes	Yes	No	No
AMD FireStream™ 9270	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
AMD FireStream™ 9250	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
AMD FireStream™ 9170	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes



**Note:** Vista and Windows 7 32-bit OS versions may improperly report the memory size for the 4GB ATI FirePro™ V9800.

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## Linux Distributions Supported

The latest version of the ATI FirePro™/FireGL™ Linux software suite is designed to support the following distributions:

- Red Hat Enterprise Linux –5.7 and 6.1
- SUSE LINUX Enterprise Desktop (SLED) 10 SP3 and 11 SP1
- SUSE LINUX Enterprise Server (SLES) 10 SP3 and 11 SP1
- OpenSUSE 11.3 and 11.4
- Red Flag Desktop 7
- Ubuntu 10.10



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

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**Note:** AMD has accepted contributed packaging scripts to allow creation of other packages, but does not necessarily test, verify or warrant the reliability. Currently Red Hat Enterprise Linux suite and Novell/SuSE product suite are supported Linux distributions.

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## Workstation Family API Support

The ATI FirePro™/FireGL™ Unified Driver version 8.85.7.3 software included in this package is designed to support the following ATI FirePro™/FireGL™ products:

Workstation Devices	Direct X	Open GL
ATI FirePro™ V9800	11	4.1
ATI FirePro™ V9800 P	11	4.1
ATI FirePro™ V8800	11	4.1
ATI FirePro™ V8750	10.1	3.2
ATI FirePro™ V8700	10.1	3.2
AMD FirePro™ V7900	11	4.2
AMD FirePro™ V7900 SDI	11	4.2
ATI FirePro™ V7800	11	4.1
ATI FirePro™ V7800 P	11	4.1
ATI FirePro™ V7750	10.1	3.2
AMD FirePro™ V5900	11	4.1
ATI FirePro™ V5800	11	4.1
ATI FirePro™ V5800 DVI	11	4.1
ATI FirePro™ V5700	10.1	3.2
AMD FirePro™ V4900	11	4.2
ATI FirePro™ V4800	11	4.1
ATI FirePro™ V3800	11	4.1
ATI FirePro™ V3750	10.1	3.2
ATI FirePro™ V3700	10.1	3.2
ATI FirePro™ 2460	11	4.1
ATI FirePro™ 2450	10.1	2.1
ATI FirePro™ 2270	11	4.1
ATI FirePro™ S400	-	-
ATI FirePro™ RG220	10.1	3.2
ATI FireGL™ V8650	10	2.1
ATI FireGL™ V8600	10	2.1
ATI FireGL™ V7700	10.1	2.1
ATI FireGL™ V7600	10	2.1
ATI FireGL™ V5600	10	2.1
ATI FireGL™ V3600	10	2.1
ATI FireMV™ 2260	10.1	2.1
ATI FirePro M5800 (HP EliteBook 8540w)	11	3.2
ATI FirePro M7740 (Dell Precision M6400)	10.1	3.2
ATI FirePro M7740 (Dell Precision M6500)	10.1	3.2
ATI FirePro M7820 (HP EliteBook 8740w)	11	3.2
AMD FireStream™ 9270	10.1	3.3
AMD FireStream™ 9250	10.1	3.3
AMD FireStream™ 9170	10.1	3.0

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## New Features

The following new features have been added to the 8.85.7.x release:

- 10-bit deep pixel depth support in CCC-LE (Linux)
- OpenCL Runtime Integration
- Windows Installer supports S2008
- OpenSUSE 11.4 Support
- RHEL 5.6 Support

## Supported Technology

### CrossFire Pro Technology

Currently, only identical AMD CrossFire™ Pro™ supported cards can be combined to enable this feature. All mid-range onwards AMD FirePro™ cards are AMD CrossFire™ Pro™ technology-ready. This line-up currently includes the following cards: ATI FirePro™ V5700, ATI FirePro™ V5800, ATI FirePro™ V7750, ATI FirePro™ V7800, ATI FirePro™ V8700, ATI FirePro™ V8750, ATI FirePro™ V8800, and ATI FirePro™ V9800 graphics accelerators.

More information on CrossFire Pro technology can be found through the links below.

User Guide: [http://www.amd.com/us/Documents/ATI\\_CrossFire\\_Pro%20\\_DS\\_2.pdf](http://www.amd.com/us/Documents/ATI_CrossFire_Pro%20_DS_2.pdf)

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

Benchmarks: <http://www.amd.com/us/products/workstation/graphics/crossfire-pro/Pages/performance-scaling.aspx>

### Eyefinity Technology

AMD's next-generation of graphics product have the advanced capability of simultaneously supporting up to six independent display outputs from a single GPU.

More information on Eyefinity technology can be found via the links below.

Whitepaper: [http://www.amd.com/us/Documents/48404\\_FirePro\\_Eyefinity\\_whitepaper.pdf](http://www.amd.com/us/Documents/48404_FirePro_Eyefinity_whitepaper.pdf)

Validated hardware: <http://support.amd.com/us/eyefinity/Pages/eyefinity-dongles.aspx>

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## Known and Resolved Issues

This section provides last minute information on issues that may be experienced when using this release of the ATI FirePro™/FireGL™ Unified Driver on systems running the Windows or Linux operating systems. Any resolved issues are ones that have been previously listed in the 8.85.7.2 Release Notes. These include the following:

Resolved Issues
Tessellation shader doesn't work properly with MARI
Altair-HyperView application crashes while manipulating model when resolution is 1920x1200 or greater
Texture corruption in MARI
Baking a displacement shader in MARI freezes the system
LG monitors in dual configuration fail to run at 2560 x 1600 native resolution
Enlarged Mouse Pointer on high resolutions
Viewport Gridlines in Maya2012 are not continuous after model rotation
3DSMax2012 corruption observed, while applying "Optimize" modifier for second time
In MotionBuilder2012 the display does not refresh mode when second display is made as primary after working on full screen
With Patran2010 in dual head mode, the mouse pointer becomes corrupted when hovering on the application viewport in the secondary display

Known Issues
May encounter SolidWorks crash while scrolling through Feature manager window with scrollbar
Maxon Cinebench test suite has non-optimal performance when using UBOs
Maya Composite 2012 SAP may crash on initialization
7th Sense application link failure when grouping 4 display on FirePro V7900 at- 2560x1600
AA4X Corruption when changing display modes
Changing display resolutions while running OGL apps may cause system failure
FirePro V7900 resume from sleep may exceed 500ms in some situations.
In a multi-gpu system with each GPU connected to at least one monitor, WinDVD10 fails to refresh on Bluray Playback with Windows AERO enabled
3DSMax 2012 Popup box may not refresh with V7900 in some situations

## Additional Support

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

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