



ATI FirePro™ S400 Unified Driver Version 8.641 Release Notes

ATI's FirePro™ S400 cards are designed to accelerate Framelock and Genlock applications. With full certification on the leading computer aided design (CAD), digital content creation (DCC) and architecture/engineering/construction (AEC) applications, ATI FirePro™ S400 is the high performance choice for graphics professionals working in Windows. These release notes provide information on the ATI FirePro™ S400 Unified Driver version 8.641.

These release notes provide information on the following:

- *Workstation Family Support*
- *Minimum Windows System Requirements*
- *Windows Operating Systems Supported*
- *Linux Operating Systems Distributions Supported*
- *Minimum Linux System Requirements*
- *Known Issues*



Note: The ATI FirePro™ S400 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 ATI FirePro™ S400 Unified Driver.



Note: When installing the Catalyst™ 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 Catalyst™ Vista driver.

Workstation Family Support

The ATI FirePro™ S400 Unified Driver version 8.641 software included in this package is designed to support the following ATI products:

Workstation Devices	WHQL XP	WHQL XP64A	WHQL Vista32	WHQL Vista64	WHQL Win7 32	WHQL Win7 64	Linux
ATI FirePro™ V8750	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ATI FirePro™ S400	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Minimum Windows System Requirements

This section provides information on the system requirements for successful installation and operation. The following is a list of minimum system requirements:

- Intel Pentium 4/Xeon™, AMD Athlon/Opteron™ or compatible CPU
- PCI-Express x16 Bus for PCI-Express products
- 128MB of system memory (256MB or more recommended)
- Installation software requires CD-ROM drive
- 300 watt or greater power supply (recommended)

Windows Operating Systems Supported

The ATI FirePro™ S400 Unified Driver version 8.641 is designed to support the following operating systems:

- Microsoft Windows 7 32 bit version
- Microsoft Windows 7 64 bit version
- Microsoft Windows Vista 32 bit version
- Microsoft Windows Vista 64 bit version
- Microsoft Windows XP
- Microsoft Windows XP Professional x64 Edition

Linux Operating Systems Distributions Supported

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

-
- Red Hat Enterprise Linux suite
 - Novell/SuSE product suite



Note: The ATI Catalyst™ Linux software suite 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. Currently Red Hat Enterprise Linux suite and Novell/SuSE product suite are supported Linux distributions.

Minimum Linux System Requirements

Before attempting to install the ATI Catalyst™ Linux software suite, the following software must be installed:

- XOrg 6.8, 6.9, 7.0, 7.1, 7.2, 7.3 or 7.4
- Linux kernel 2.6 or above
- glibc version 2.2 or 2.3
- POSIX Shared Memory (/dev/shm) support is required for 3D applications

The ATI Catalyst™ Linux software suite no longer provides precompiled Kernel Modules; all installations require GCC compiler and kernel-headers or kernel-source in order to enable 2D and 3D acceleration.

For best performance and ease of use, ATI recommends the following:

- Kernel module build environment
 - Kernel source code include either the Kernel Source or Kernel Headers packages
- The RPM utility should be installed and configured correctly on your system, if you intend to install via RPM packages

The following packages must be installed in order for the Catalyst™ Linux driver to install and work properly:

- XFree86-Mesa-libGL
- libstdc++
- libgcc
- XFree86-libs
- fontconfig
- freetype
- zlib
- gcc

Known Issues

This section provides last minute information on issues that may be experienced when using this release of the ATI FirePro™ S400 Unified Driver. These include the following:

- [All OS] Genlock to timing server might not function properly due to scan rate coefficient being greyed out and not set to the default
- [Linux] [Framelock/Genlock] With Xinerama enabled, configuring the timing server to use house sync on the secondary display might not function properly
- [Linux] CrossFireX™ page under Catalyst Control Center may display incorrect “Your system contains ATI Radeon™...” message
- [Vista64] Framelocked applications may run slower than expected on the primary screen
- [XP] Framelocked applications using two local GPUs may render slowly when 2D is involved
- [XP] Framelock state might need to be reset when a process/application terminates abruptly while using Framelock