



**For APAC Immediate Release Only**

**The Most Powerful Professional 3D Graphics Solution for Synchronizing Critical Video and 3D applications-- ATI FirePro V8750 and S400**



**(Taipei-August 21, 2009)** Sapphire Technology today released two new products—ATI FirePro™ V8750 3D workstation graphics and ATI FirePro™ S400 synchronization module which offer the broadcast professionals rendering, synchronizing critical video and accelerator the extreme productivity needs of today's CAD, Digital Content Creation (DCC) and oil and gas professionals. The new ATI FirePro™ S400 synchronization module allows ATI FirePro™ 3D workstation graphics cards to be used in demanding applications that require synchronization to external sources (Genlock) or synchronization of 3D rendering of multiple GPUs in different systems (Framelock). The combination of these capabilities with ATI FirePro™ V8750 graphics accelerators means that an even wider set of applications can benefit from the award-winning ATI FirePro line.

**ATI FirePro V8750 Key features:**

- The Highest Specification: ATI FirePro™ V8750 brings the highest number of shader engines (800) with the highest memory bandwidth (115.2 GB/s) in the entire 3D professional graphics. Featuring the biggest 2GB of GDDR5 frame buffer memory, engineers and designers are free to focus on project work without concerns for memory limitations. This acceleration is accessed through [ATI Stream technology](#), a set of advanced hardware and software technologies that enable a system to dynamically

balance workloads by tapping a both the CPU and a GPU in a workstation to enable accelerated application performance.

- Better performance: With ATI FirePro™ V8750 3D workstation graphics accelerator, applications that take advantage of the shader units and memory bandwidth perform significantly better than with competing solutions. For example, UG NX4 software from Siemens PLM performs up to 56 percent faster and Autodesk 3ds Max OGL runs 118 percent faster on ATI FirePro™ V8750 than the comparable competing solution.
- Outputs and multi-card support: Two DisplayPort outputs, one Dual Link enabled DVI output and one Stereo sync output provide versatility and advanced features needed for advanced monitors and a high resolution support. In addition, with native multi-card support, users can see more and do more using four displays by adding a second ATI FirePro 3D graphics accelerator in the same workstation.
- CrossFire™ Pro Available: ATI CrossFire™ Pro technology which enables users to combine the power of two discrete graphics cards to scale their application performance for maximum productivity. This capability which simply involves coupling the two graphics cards using an interconnect cable, is designed to provide a significant performance boost to CAD and DCC applications. In addition to ATI FirePro™ V8750, ATI CrossFire™ Pro is planned for availability on the mid-range and above graphics cards including ATI FirePro™ V5700, ATI FirePro™ V7750, and ATI FirePro™ V8700 3D workstation graphics accelerators. Initial support is provided for Windows XP (32-bit and 64-bit) with support for other operating systems scheduled to follow in the second half of 2009.
- Compatible with ATI FirePro™ S400 synchronization module: With Genlock for video camera single source applications and Framelock for multiple 3D displays.

Get more information on [ATI FirePro™ V8750](http://workstation.sapphire.tech.com/presentation/products/products_detail.aspx?ProductID=45)

[http://workstation.sapphire.tech.com/presentation/products/products\\_detail.aspx?ProductID=45](http://workstation.sapphire.tech.com/presentation/products/products_detail.aspx?ProductID=45)

### **ATI FirePro™ S400 Key Features**

- Genlock enables video and graphics feeds from various devices – such as cameras, recorders, mixers, keyers and more – to “lock” to an externally generated signal,

helping avoid jumping, flicker or scan lines that commonly arise when switching video sources.

- The ATI FirePro™ S400 is a single card solution with a dedicated processor capable of supporting clock-accurate, simultaneous GPU synchronization that professional video, broadcast, simulation and rich display applications demand, perfect for displays used in broadcast applications, or non-linear editing suites.
- Framelock synchronizes display output and 3D rendering across multiple graphics cards resulting in a smooth output across multiple displays or video projectors to create a smooth virtual canvas.
- ATI FirePro™ S400 delivers framelock functionality by combining synchronized display output and simultaneous 3D buffer swapping, to help ensure GPUs in connected systems present their outputs in perfect lock-step.
- The new ATI FirePro Synchronization Module supports four professional graphics cards, features a modern Serial ATA power connector and allows ATI FirePro graphics accelerators to receive signals and synchronize to virtually any video input source, including PAL and NTSC standard definition video black burst, high definition TV tri-level, TTL and SDI sync.
- The upgradeable firmware of the ATI FirePro™ S400 module is designed to allow future updates to be deployed without requiring internal access to the host computer, saving time and effort by allowing updates to be deployed in the field.
- Compatible with ATI FirePro™ V8750 3D graphics accelerators targeted at the high-end professional graphics market, and supporting existing software interfaces, the ATI FirePro™ S400 is a drop-in solution, fitting into standard PCI or PCIe slots and compatible with virtually any type of chassis or motherboard.
- ATI FirePro 3D workstation graphics accelerators and ATI FirePro™ S400 have been engineered to deliver innovation and reliability for a wide range of professional operating environments, including Windows® XP, Windows Vista, Windows 7 and Linux. The unified driver, which supports all ATI FirePro workstation products, helps reduce the total cost of ownership by simplifying installation, deployment and maintenance.

Get more information on [ATI FirePro™ S400](#)





[http://workstation.sapphiretech.com/presentation/products/products\\_detail.aspx?ProductI](http://workstation.sapphiretech.com/presentation/products/products_detail.aspx?ProductI)

[D=46](#)

### **Supporting Resources**

- [New Driver V 8.634 \(update by Aug. 19, 2009\)](#)
  - \*New Product support: [ATI FirePro V8750, ATI CrossFire™ Pro](#)
  - \*New Features Supported
    - Windows 7 Production Driver support
    - CrossFire™ Pro support in XP for RV730 and RV770 based products
    - Cg support for Autodesk Showcase
    - BluRay XP64 playback support
    - Pre-production Framelock-Genlock support for ATI FirePro™ S400 with ATI FirePro™ V8750
- [ATI CrossFire™ Pro Introduction](#)
- [ATI FirePro™ S400 Introduction \(with Video\)](#)
- [StudioGPU on enabling workflow for 3D content production](#)

### **Media Approved**

1.  [Phoronix: 8/10 Approved](#)  
[http://www.phoronix.com/scan.php?page=article&item=amd\\_firepro\\_v8750&num=1](http://www.phoronix.com/scan.php?page=article&item=amd_firepro_v8750&num=1)
2.  [Hothardware: Approved](#)  
<http://hothardware.com/Articles/ATI-FirePro-V8750-Workstation-Graphics-Card/?page=1>
3.  [3D Professor: Editor's choice](#)  
<http://www.3dprofessor.org/Reviews%20Folder%20Pages/V8750/V8750P8.htm>
4.  [Crossfire testing: Editor's choice](#)  
<http://www.3dprofessor.org/Reviews%20Folder%20Pages/XFIRE/XFIRE1.htm>

For more [Certification list](#), please visit:

[http://ati.amd.com/products/workstation/certified\\_graphics\\_accelerators.html](http://ati.amd.com/products/workstation/certified_graphics_accelerators.html)

For more product information, please visit Sapphire website:  
<http://workstation.sapphiretech.com/>



## **SAPPHIRE** About Sapphire

Sapphire Technology Ltd designs, manufactures and distributes the most complete range of ATI Radeon™ based video graphics accelerators worldwide. Additionally Sapphire produces mainboards based on AMD chipset technology. Sapphire is based in Hong Kong with two ISO9001 and ISO14001 manufacturing facilities in Dongguan, China. The factories have a total capacity of 1.8 million graphics boards per month. Sapphire currently employs over 3000 employees worldwide with local representation in North America, Europe, South Africa and Asia Pacific.

2007, Sapphire has been authorized to be the exclusive partner of AMD Workstation Graphics (ATI FirePro™, ATI FireGL™, ATI FireMV™), and AMD FireStream in APAC except Japan. This great affirmation shows Sapphire's achievement and offering, Sapphire will provide best service to professional customer with the best workstation products.