

ATI FireGL™ Workstation Graphics Accelerators with Avivo™ Technology

As a world leader within the graphics industry, ATI delivers superior products with the most innovative technologies to a wide range of customers. Serving the professional market, ATI's FireGL™ series of workstation graphics accelerators is a complete solution that delivers more than just an add-in board. Our enterprise customers demand superior price-performance, image realism, stability, and support which is why they choose FireGL

Alternatively, for the consumer PC gaming enthusiast, as well as home and corporate PC user, ATI's Radeon™ line of products offers outstanding graphics options with superior image quality and performance to enhance the overall visual experience.

Next Generation Workstation Graphics - Power for Today and Tomorrow

ATI's FireGL products deliver extreme value to professional markets for industrial design, CAD and engineering, as well as content creation, animation and special effects. FireGL users are valued and talented design professionals running business critical applications based on OpenGL® or Microsoft® DirectX®. These customers require:

- Advanced graphics technology including full floating point precision for superior image quality, high performance for large datasets and dual display / ultra-high resolution support
- Application certification including OpenGL and DirectX support across Windows® and Linux® platforms
- Stable fully-tested, robust drivers to maximize uptime and productivity (including ISV and IHV compatibility testing)
- Support for workstation users with direct links to engineering resources

ATI's Radeon graphics products are ideal for PC gaming enthusiasts who need the most advanced graphics for the ultimate gaming experience. Typically, Radeon users are looking for the highest clock speeds and plug-and-play performance with the latest game titles. In addition, Radeon is preferred by home PC users to improve visual PC applications such as viewing digital photos and online streaming video.

Software Applications Certification

FireGL users require out-of-box compatibility with a variety of workstation-class applications packages such as Softimage® XSI®, Maya®, SolidWorks®, PRO/Engineer and AutoCAD. Both ATI and our software partners rigorously test FireGL accelerators with their applications to ensure hardware and software compliance and superior performance.

Radeon products fully support DirectX 9.0 allowing users to play current and future game titles in full 3D glory.





- Powered by ATI's next generation FireGL™ graphics processor unit with Avivo™ Technology
- Scalable ultra-threaded architecture with multiple parallel geometry engines and pixel shader processors
- Full Shader Model 3.0 support for vertex and pixel shaders
- Up to 1GB GDDR3 graphics memory and 512-bit ring bus memory controller
- High Dynamic Range (HDR) rendering with 8-bit, 10-bit, and 16-bit per RGB color component support
- High fidelity display engine capable of producing over one trillion colors
- Up to two Dual Link outputs each ideal for driving 30-inch cinema / widescreen displays (2560 x 1600)
- Optimized and certified for CAD and DCC applications
- Direct access to ATI's dedicated workstation technical support team

ATI FireGL Workstation Graphics with Avivo™ Technology

Similarities and Differences

FireGL and Radeon share similar hardware architectures, which enables ATI to capitalize on the world's leading ASIC designs. However, FireGL graphics accelerators have important hardware and software features that distinguish their performance:

- 10-bit and 16-bit high dynamic range digital output
- Dual dual-link DVI outputs for the support of ultra high resolution monitors
- Workstation specific OpenGL optimizations providing application performance and stability required by professional users
- Quad buffer 3D output for stereoscopic viewing

FireGL software drivers undergo rigorous quality assurance and qualification testing from multiple sources including ATI labs, QA engineering, ISV certification testing and OEM testing and qualification. Our customers receive superior hardware running optimized software to maximize performance and stability.

ATI's Catalyst™ software suite for Radeon graphics accelerators are exposed to a solid QA process that optimizes the software drivers for the ultimate user experience.

Customer Satisfaction

Customer satisfaction is the cornerstone of our business. FireGL customers can take advantage of toll-free support in North America and local language support in Europe. In addition, ATI warrants every FireGL accelerators sold for three years, the best purchase security in the industry. Investing in a FireGL product is a worry-free decision because it is a protected purchase, and the beginning of a multi-year relationship with ATI.

FireGL customers make a long-term investment in a superior graphics product to achieve critical business results on an accelerated timeline. Whether it is a work-by-day, play-by-night or work-round-the-clock requirement, FireGL is the leading graphics solution for workstation professionals.

ATI FireGL™ Workstation Graphics Accelerators with Avivo Technology

	MEMORY			GRAPHICS PROCESSING UNIT						AVIVO™ TECHNOLOGY			DISPLAY CAPABILITIES			
	Memory Configuration	Ring Bus Memory Controller Interface	Memory Bandwidth (GB Per Second)	Ultra Threaded Architecture	Parallel Geometry Engines	Vertices Per Second	Pixel Shader Processors	Pixel Operations Per Second	Full Shader Model 3.0 Support	Full 10-bit Display Pipeline	High Dynamic Range Rendering Support	Per Pixel Color Component Output	Display Output Connectors	Dual Link Outputs	HD Component Video Output	Stereoscopic 3D Output
FireGL V3300	128MB	-	6.4	✓	2	300M	4	2.4G	✓	✓	✓	8, 10, 16-bit	2 DVI-I			
FireGL V3400	128MB	256-bit	16.0	✓	5	625M	12	6.0G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	1	✓	
FireGL V5200	256MB	256-bit	22.4	✓	5	750M	12	7.2G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	2	✓	
FireGL V7200	256MB	512-bit	41.6	✓	8	1200M	16	9.6G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	2	✓	✓
FireGL V7300	512MB	512-bit	41.6	✓	8	1200M	16	9.6G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	2	✓	✓
FireGL V7350	1GB	512-bit	41.6	✓	8	1200M	16	9.6G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	2	✓	✓

For additional information, visit ati.com/firegl