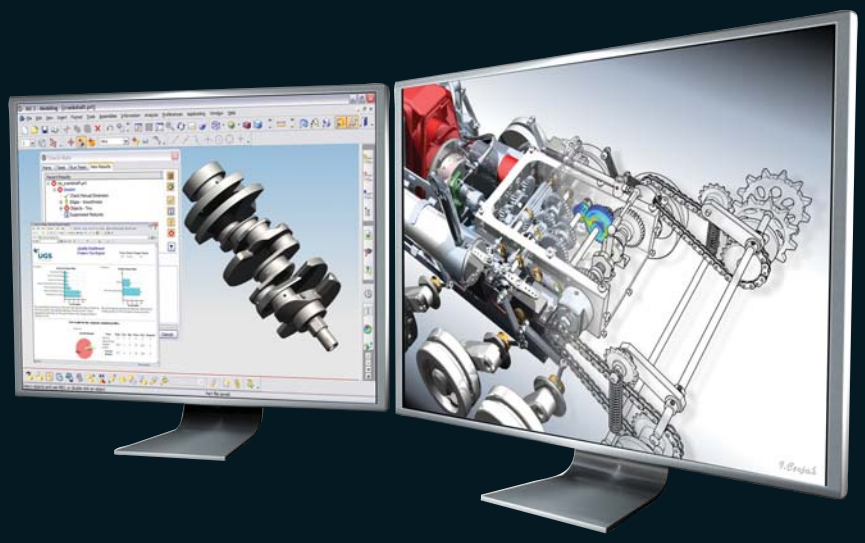
ATI FIREGL™
WORKSTATION GRAPHICS ACCELERATORS

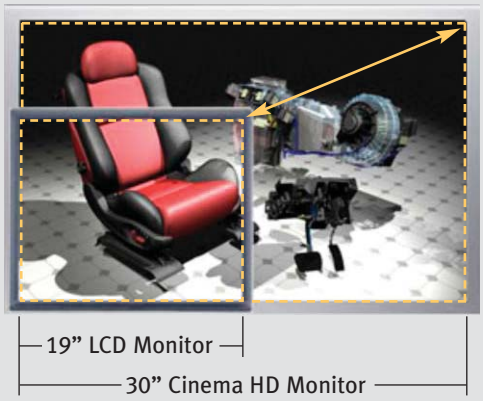
Dual Link

- 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 billion colors
- Up to two Dual Link outputs each ideal for driving 30-inch cinema / widescreen displays (2560 x 1600)
- Optimized and certified for professional CAD and DCC applications
- Direct access to ATI's dedicated workstation technical support team

ATI FireGL with Avivo



FireGL Dual Link technology enables massive multi-monitor displays



From computer aided design to digital content creation, producing intricate designs, complex models, and photorealistic animation requires workstation graphics with advanced 3D features and high performance acceleration.

CAD and DCC applications include numerous menus, palettes, and tools that take up valuable display area. Having to navigate between multiple views can be time consuming and frustrating. Operating at higher resolutions on large screen monitors enables designers to maximize workspace and keep tools accessible, but requires graphics accelerators capable of producing ultra-high resolutions.

"ATI FireGL Dual Link technology doubles the display bandwidth through a single DVI connection to support ultra-high resolution output and significantly increase productivity."

ATI FireGL Dual Link technology delivers ultra-high resolutions for increased productivity by allowing designers to see more and do more without having to work around open menus and tool bars and produces immaculate image quality and clarity at resolutions up to 3840 x 2400 on 9 megapixel displays from leading monitor manufacturers. Dual Link technology doubles the display bandwidth through a single DVI-I connection to support ultra-high resolution output and significantly increase productivity.

ATI FireGL™ workstation graphics accelerators feature up to two Dual Link outputs each capable of driving ultra-high resolution 30" cinema/widescreen monitors allowing designers, modelers, and animators to create a massive multi-monitor display for CAD and DCC content.

ATI™ FIREGL™
WORKSTATION GRAPHICS ACCELERATORS

Product Specifications

FIREGL WITH AVIVO PRODUCT OVERVIEW

Overview

- Powered by advanced ATI FireGL™ Graphics Processor Unit (GPU) with Avivo™ Technology
- Scalable ultra-threaded architecture with fast dynamic branching and high performance parallel processing
- Multiple parallel geometry engines and pixel shader processors
- Full Shader Model 3.0 support
- Up to 1GB GDDR3 graphics memory and 512-bit ring-bus memory controller
- 128-bit full floating point precision
- Native high bandwidth PCI Express x16 lane support

ATI Avivo™ Technology

- 16-bit per RGB color component High Dynamic Range (HDR) output capable of over one trillion colors
- Full 10-bit display pipeline
- Advanced support for 8-bit, 10-bit, and 16-bit per RGB color component

System Requirements

- PCI Express® based workstation with available x16 lane graphics slot
- Connection to the system power supply (adapter included [1])
- 450-Watt power supply or greater (assumes fully loaded system [2])
- 512MB of system memory
- Installation software requires CD-ROM drive

Display Capabilities

- Dual DVI-I outputs support any combination of digital and analog displays
- Independent multi-monitor resolution and refresh rate selection
- Dual Link outputs ideal for driving 30-inch cinema / widescreen (2560 x 1600) displays [3]
- Individual Dual Link output capable of ultra-high resolutions up to 9 Megapixels (3840 x 2400)
- Stereoscopic 3D output connector with quad buffer support
- Dual VGA analog support [4]
- HD Component Video (YPrPb) output [5]

ATI Warranty and Support

- Enterprise class support
- Three year limited product repair/replacement warranty
- Direct toll free phone and email access to dedicated workstation technical support team [6]

API and OS Support

- OpenGL® 2.0 with OpenGL Shading Language
- Microsoft® DirectX® 9.0 with DX9 HLSL
- Windows® XP, Windows XP64 and Windows 2000
- Linux® 32 and Linux 64 [7]
- Windows Vista™ ready

WORKSTATION MARKETS AND CERTIFICATIONS

Computer Aided Design

- Computer Aided Design (CAD)
- Architecture / Engineering / Construction (AEC)
- Medical Imaging
- Computational Fluid Dynamics
- Visual Simulation
- GIS / Mapping
- Oil & Gas

Certifications

- ABAQUS®
- Altair® Engineering Hyperworks®
- ANSYS Workbench™
- Autodesk® AutoCAD®, Inventor®, VIZ and Architectural Desktop
- Autodesk® AliasStudio™
- Bentley MicroStation®
- ColCreate® OneSpace Designer Modeling
- Dassault Systemes CATIA®, ENOVIA® and SolidWorks®
- DELCAM™ PowerSHAPE™
- ESRI ArcGIS™
- ICEM® Surf
- MSC.Software® MSC.Patran® and MSC.Nastran™
- Nemetschek Allplan
- PTC® Pro/CONCEPT™ and Pro/ENGINEER® Wildfire™
- Schlumberger Petrel
- UGS I-deas® NX, UGS NX, Solid Edge™ and Teamcenter Visualization

Digital Content Creation

- Game Development
- Cinematic Visual Effects
- Broadcast and Film Animation
- Virtual Set Design
- Compositing
- Digital Editing and Publishing

Certifications

- Adobe® After Effects®
- Adobe® Audition®
- Adobe® Encore™ DVD
- Adobe® Premiere® Pro
- Adobe® PhotoShop® CS
- Autodesk® Maya®
- Autodesk® MotionBuilder
- Autodesk® 3ds Max®
- Autodesk® Combustion®
- Avid SOFTIMAGE® | XSI® and Avid Xpress Pro
- Maxon Cinema 4D
- Maxon BodyPaint 3D
- NewTek LightWave 3D®
- SensAble Technologies ClayTools™
- SensAble Technologies FreeForm® Concept™
- SensAble Technologies FreeForm® Modeling Plus™
- Side Effects Software™ Houdini™

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

[1] Required for V7200, V7300, and V7350 models only
[2] 350-Watt power supply required for V3300, V3400, and V5200 models
[3] See product matrix for specific Dual Link configuration
[4] VGA output supported through DVI-I to VGA adapters included with product
[5] HD Component Video (YPrPb) output adapter included with product
[6] Toll free hotline available in North America
[7] Linux drivers can be downloaded from ati.com/FireGL