

ATI FireGL™ with Avivo™ Next generation workstation graphics

- Available in CELSIUS W Series, CELSIUS M Series, CELSIUS R Series and CELSIUS V Series workstations
- Scalable ultra-threaded architecture with multiple parallel geometry engines and pixel shader processors
- Full Shader Model 3.0 support for vertex and pixel shaders
- High Dynamic Range (HDR) rendering with 8-bit, 10-bit & 16-bit per RGB color component support
- High fidelity 10-bit display engine capable of producing over one billion colors
- Two DVI-I output connectors for dual multi-monitor displays
- Dual Link output capable of ultra-high resolutions on 30-inch Cinema Widescreen Flat Panel Monitors
- Optimized and certified for CAD and DCC applications
- ATI Mobility FireGL™ V5200 available in CELSIUS H240 mobile workstation



**CELSIUS R Series workstation featuring
ATI FireGL V7300**



**CELSIUS H240 mobile workstation featuring
ATI Mobility FireGL V5200**

CELSIUS Workstations with ATI FireGL™ Graphics

Groundbreaking graphics technology means powerhouse workstation performance. Fujitsu Siemens Computers CELSIUS workstations with ATI FireGL graphics accelerators deliver substantial performance increases with professional applications and graphic intensive environments.

From the entry-level CELSIUS W Series and the versatility of the mid-range CELSIUS M Series to the powerful high-end CELSIUS R Series and ultimate performance CELSIUS V Series, Fujitsu Siemens Computers CELSIUS workstations with ATI FireGL accelerators feature a scalable, ultra-threaded graphics architecture, 10-bit display pipeline, and High Dynamic Range (HDR) 16-bit per RGB color component output producing over one billion colors for the most vibrant visual fidelity.

CELSIUS workstations configured with the ultra high-end 512MB **ATI FireGL V7300** or the uncompromising mid-range 256MB **ATI FireGL V5200** include two Dual Link DVI-I outputs that can power up to two dual monitor 30-inch displays at ultra-high resolutions up to 2560 x 1600, producing a massive multi-monitor display for greater productivity.

Certified for workstation applications, the CELSIUS H240 with **ATI Mobility FireGL V5200** delivers the graphics features and performance of a fully equipped desktop workstation in the convenience and mobility of a notebook.

It's no wonder designers, animators and engineers ask for ATI FireGL graphics for industry leading performance and unprecedented image quality. For more information on how to accelerate the graphics in your next CELSIUS workstation, visit www.ati.com/firegl.



ATI FireGL V7300

- 512MB GDDR3 memory
- 8 geometry engines
- 16 pixel shader processors
- Two Dual Link DVI-I outputs
- Stereoscopic 3D output



ATI FireGL V5200

- 256MB GDDR3 memory
- 5 geometry engines
- 12 pixel shader processors
- Two Dual Link DVI-I outputs

FEATURES

- Powered by 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
- 128-bit full floating point precision
- Native high bandwidth PCI Express x16 lane support

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

DISPLAY CAPABILITIES

- Dual DVI-I outputs support any combination of digital and analog displays
- Independent multi-monitor resolution and refresh rate selection
- Dual Link output ideal for driving 30-inch cinema/widescreen displays
- Individual Dual Link output capable of ultra-high resolutions up to 9 Megapixels (3840 x 2400)
- Stereoscopic 3D output connector with quad buffer support¹
- Dual VGA analog support²

API AND OS SUPPORT

- OpenGL® 2.0 with OpenGL Shading Language
- Microsoft® DirectX® 9.0 with DX9 HLSL
- Windows® XP, XP64, 2000
- Linux® 32 and Linux 64³
- Windows Vista™ ready

CAD CERTIFICATIONS

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

DCC 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® I XSI® and Avid Xpress Pro
- Maxon Cinema 4D, BodyPaint 3D
- NewTek LightWave 3D®
- SensAble Technologies ClayTools™ FreeForm® Concept™, FreeForm Modeling Plus™
- Side Effects Software™ Houdini™

ATI FireGL Workstation Graphics Accelerators with Avivo Available in



CELSIUS W Series
Single Intel® Core2Duo
Pentium® Processor
Entry-Level Workstation



CELSIUS M Series
Single Intel® Core2Duo
Pentium® Processor
Mid-Range Workstation



CELSIUS R Series
Single or Dual Intel®
XEON® Processor
High-End Workstation



CELSIUS V Series
Single or Dual AMD®
Opteron® Processor
High-End Workstation

		MEMORY			GRAPHICS PROCESSOR UNIT					AVIVO TECHNOLOGY			DISPLAY CAPABILITIES		
ATI FireGL Model	CELSIUS Workstation Model Availability	Memory Configuration	Memory Interface	Memory Bandwidth (GB per Second)	Parallel Geometry Engines	Pixel Shader Processors	Vertices per Second	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	Stereoscopic 3D Output
V5200	W Series M Series R Series V Series	256MB	128-bit	22.4	5	12	750M	7.2G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	2	—
V7300	M Series R Series V Series	512MB	256-bit	41.6	8	16	1200M	9.6G	✓	✓	✓	8, 10, 16-bit	2 DVI-I	2	✓

Notes: 1 Available with FireGL V7300. 2 Supported with DVI-I to VGA adapter. 3 Available from www.ati.com/firegl.

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