ATI FirePro™ V5800

Perfect balance of price and performance in a single slot, full height/full length form factor

The ATI FirePro™ V5800 professional graphics is a mid-range solution featuring ATI Eyefinity Multi-Display Technology, 800 stream processors for ultra parallel processing, and 1GB of ultra high speed GDDR5 memory. Ideally suited for CAD and DCC professionals who work with medium to large models or scenes, the ATI FirePro™ V5800 is an excellent combination of price and performance.

ATI FirePro™ V5800 professional graphics feature three independent DisplayPort outputs with ATI Eyefinity technology support, enabling improvement to productivity at a much lower acquisition and operating cost than multi-card solutions. In addition, with native multi-card support, users can see more and do more using up to six displays, driven by two ATI FirePro™ V5800 professional graphics in the same workstation.

Support for the most common digital interface for monitors makes it easier than ever to configure dual-display set ups

The ATI FirePro™ V5800 DVI professional graphics is an ideal solution for Medical Imaging, CAD or DCC professionals who need two large high resolution displays but don’t require the latest display technologies. Extending prior DVI display investments, the ATI FirePro™ V5800 DVI drives two large high resolution DVI displays, allowing users to see more and do more.

Many professionals today are working on more than one display. They can view and interact with data from one or more applications on one display while animating a scene, manipulating a model or viewing medical images on the other. Like with the ATI FirePro™ V5800, users can also stretch an image or an application across both screens for one large view.

Innovation and Reliability from a Technology Leader

ATI FirePro™ cards are engineered to deliver innovation and reliability for a wide range of professional operating environments, including Windows® 7, Microsoft® Windows® XP, Windows Vista® and Linux®. The ATI FirePro™/FireGL™ Unified Driver, which supports all ATI FirePro™ products, helps reduce the total cost of ownership by simplifying installation, deployment and maintenance.

ATI FirePro™ professional graphics are thoroughly tested and certified with many major Computer Aided Design (CAD) and Digital Content Creation (DCC) applications, ensuring a level of reliability and compatibility not found in consumer graphics.

In addition, ATI FirePro™ products incorporate a unique AutoDetect technology. As users open new 3D applications, or move between them, driver settings are automatically configured for optimized performance of supported applications, no matter what the user’s workflow demands.
Microprocessors: Two 2560x1600 at 60Hz
Max Resolution: 2560x2048, at 60Hz with packed pixel mode

**GPU**
Stream Processors: 800
Memory Interface: 128-bit
Memory: 1GB GDDR5
Bandwidth (GB/s): 64.0
API/Feature/OS Support
DirectX®, OpenGL®
Shader Model: 5.0
ATI Eyefinity Technology Support™: Yes, ATI FirePro™ V5800 only
ATI CrossFire™ Pro Support™: Yes
Stream Computing: Yes, OpenCL™

tSupport Energy Star® 5.0 Compliance: Yes
OS Support: Microsoft® Windows® XP, Windows Vista®, Windows® 7 or Linux®

**Display Outputs**
DisplayPort: Two Standard
Dual-link DVI: One
Max Resolution: 2560x1600 at 60Hz

**Product Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Benefits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multi-Display Support</td>
<td>ATI FirePro™ V5800 supports up to three displays and the ATI FirePro™ V5800 DVI supports two, with independent display resolution, refresh rate and display rotation settings.</td>
</tr>
<tr>
<td>Full 30-bit Display Pipeline</td>
<td>Enables more color values than 24-bit products for more accurate color and grayscale reproductions and superior visual fidelity, requires 30-bit display.</td>
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<td>1GB GDDR5 Memory</td>
<td>Helps prevent system bog downs and latency issues when multi-tasking across multiple applications or working with more complex models and animations.</td>
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<td>AutoDetect Technology</td>
<td>As a user moves between applications, or opens new ones, the graphics driver settings are automatically configured for optimized performance.</td>
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<td>Full Shader Model 5.0 Support</td>
<td>Create more complex geometry and scenes without taxing the CPU.</td>
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<tr>
<td>Certification</td>
<td>There is a high level of assurance when purchasing a configuration that is reliable and provides the performance necessary for professional 3D graphics needs.</td>
</tr>
<tr>
<td>DirectX® II and OpenGL® 4.1 Support</td>
<td>Great performance, scalability and reliability, enabling broad adoption of heterogeneous computing.</td>
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<td>OpenCL® 1.1 Support</td>
<td>Industry standard API - Open, multiplatform development platform for enabling broad adoption of heterogeneous computing.</td>
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<tr>
<td>Ordering Information for Retail SKUs</td>
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<tr>
<th>Retail Package Contents</th>
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<tbody>
<tr>
<td></td>
<td>ATi CrossFire™ Pro connection cable</td>
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| Retail Package Weight & Dimensions | 150 lbs (68.0 kg) in (29.21 x 24.13 x 7.30 cm) | 150 lbs (68.0 kg) in (29.21 x 24.13 x 7.30 cm) |

**Features**

- ATI FirePro™ V5800 supports up to three displays and the ATI FirePro™ V5800 DVI supports two, with independent display resolution, refresh rate and display rotation settings.
- Enables more color values than 24-bit products for more accurate color and grayscale reproductions and superior visual fidelity, requires 30-bit display.
- Helps prevent system bog downs and latency issues when multi-tasking across multiple applications or working with more complex models and animations.
- As a user moves between applications, or opens new ones, the graphics driver settings are automatically configured for optimized performance.
- Create more complex geometry and scenes without taxing the CPU.
- There is a high level of assurance when purchasing a configuration that is reliable and provides the performance necessary for professional 3D graphics needs.
- Great performance, scalability and reliability, enabling broad adoption of heterogeneous computing.

**Benefits**

- Industry standard API - Open, multiplatform development platform for enabling broad adoption of heterogeneous computing.

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**Retail Package Contents**
- ATI FirePro™ V5800
- ATI CrossFire™ Pro connection cable
- Installation CD with drivers and documentation
- Quick Start Reference Guide
- One DP to DVI (single-link) adapter
- One DVI to VGA adapter
- ATI FirePro™ V5800 DVI
- ATI CrossFire™ Pro connection cable
- Installation CD with drivers and documentation
- Quick Start Reference Guide
- Two DVI to VGA adapters

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1. Based on 800 stream processors for ATI FirePro™ V5800 vs. 320 stream processors for ATI FirePro™ V3700.
2. Allows multiple displays to be supported using a single enabled ATI FirePro™ professional graphics card; number of supported displays varies by card model. Windows 7, Windows Vista® or Linux® is required to support more than two displays. Depending on card model, native DisplayPort™ connectors and/or certified DisplayPort™ active or passive adapters are required to connect your monitor’s native input to your card’s DisplayPort™ or Mini DisplayPort™ connector(s). Additional adapters may be required.
3. Each ATI FirePro™ V5800 professional graphics card supports up to three independent displays, using two DisplayPort connectors and the one dual-link DVI connector (cables not included).
4. 2560x1600 resolution required for full 12.3 million pixel resolution.
5. Specific power, chassis space, connector, and resource requirements may apply. Check with system manufacturer to see if dual cards are supported.
6. Second DVI output supported through one included single-link DP to DVI adapter, dual-link and additional single-link adapters sold separately.
7. VGA output supported through one included DP to VGA adapter; additional adapters sold separately.
8. Linux® drivers can be downloaded from support.amd.com.