

**DIAMOND****VIPER****X1650PRO256/512**  
**X1650AGP256/512**

## Viper X1650PRO

**The World Fastest Graphics Card****Featuring: RADEON™ X1650PRO****Memory: 256/512MB****Slot Type: AGP/PCIE****With: Dual DVI (Dual Link) / HDTV / D-Sub**

## Overview

### THE GAME IS ON!

The Radeon® X1650 PRO delivers stunning 3D graphics, excellent performance, and all the extensive features of a high-end graphics card. Your system will be able to handle the latest games, high definition digital video, and Windows Vista™ with aplomb. The X1650 PRO is capable of displaying a billion colors more than competing graphics cards, boasts one of the highest video performance scores in the industry, and can bring today's top games to life through outstanding shader performance and simultaneous high dynamic range lighting and full screen anti-aliasing, available only with ATI products. Radeon X1650 PRO graphics technology. Exceptional graphics performance.



### AVIVO

- Video and Display Perfection
- True-to-Life Image Reproduction
- Sharp video and photos, smooth video playback
- Universal connectivity for TVs and display



\* CrossFire not available on AGP models

### FEATURING

- DirectX 9.0 and OpenGL 2.0
- CATALYST Software Drivers
- 12 Pixel Pipelines Architecture
- 8 Vertex Shader
- SMARTSHADER Technology
- VIDEOSHADER Technology
- SMOOTHVISION Technology
- HYPER Z III+ Technology
- Dual Display Support

### CROSSFIRE

- Combined Multi-GPU power for a new dimension of graphics capability
- High-performance processor sharing
- High compatibility with games, graphics cards, motherboards, and third party component
- Crossfire only available on motherboards that support dual PCI-Express x16 slot

### SPECIFICATIONS

- GPU: ATI Radeon® X1650PRO
- Bus Type: PCI-Express x16/AGP
- Memory: 256/512MB GDDR2-128bit
- Core Clock: 600 MHz
- Memory Speed: 800 MHz
- RAMDACs: Dual 400 MHz
- API Support: DirectX 9.0, Shader Model 3.0 and OpenGL 2.0
- Output: Dual DVI, TV-Out

### System Requirements

- 420 Watt ATX 2.0 or greater power supply.  
Consult your computer system manual to ensure the power supply is designed to accommodate a high-end graphics card with peak dissipation above 75 watts.
- Intel® Pentium® IV or AMD Athlon®, Athlon® 64, Athlon® XP
- System Memory: 512 MB or higher. 512MB recommended
- 480MB available hard disk space
- Motherboard with free PCI Express™ slot and correct PCIe chipset driver.
- CD-ROM/DVD-ROM drive (for installation software).
- PCI Express™ compatible system with a specialized 12v graphics card power connector or AGP 2.0,3.0/4X,8X  
\* DVD-ROM required for DVD Playback.
- Microsoft Windows® XP (Home or Pro) or Windows® 2000
- High-resolution MultiSync or multi-frequency monitors or any other type or VGA monitor.
- Digital flat-panel (DFP) displays or digital CRT display.
- Connecting Device for CrossFire™-Only one display while enable Cross-Fire

### Package Includes:

- Quick Install Guide
- Install CD : ATI CATALYST Drivers
- Software : Diamond Tools, DVD Playback, 3D Mark '03
- DVI to VGA adapter
- HDTV Composite Adapter
- S-Video Cable

Windows Vista™ Ready\* ATI Certified†

\* On PCs configured to Microsoft Windows Vista™ minimum system requirements, this product supports the basic user experience. Details at windowsvista.com/getready

† This product is continually tested to requirements with Windows Vista™, pre-release &amp; final versions as available. When production versions of Windows Vista are released you may be required to upgrade your device driver. See ati.com/windowsvista for details.

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