



# VIPER®

3870PE4512



## Viper HD 3870

### The World Fastest Graphics Card

**Featuring:** RADEON™ HD 3870  
**Memory:** 512 MB  
**Slot Type:** PCIE  
**With:** x2 Dual Link DVI +  
HDTV-out with VIVO\*  
(HDMI support via adapter)



## Overview

The Diamond Viper HD 3800 Series of GPUs allow you to experience the power of HD with graphics processing designed for how you work and play. Advance to the next generation of HD game performance and life-like realism thanks to DirectX® 10.1 capabilities and plug-and-play ATI CrossFireX™ multi-GPU upgradeability. Watch the latest Blu-ray and HD-DVD videos in full 1080p HD – and upscale beyond - without placing huge demands on your CPU. Enjoy break-through efficiency with more processing performance per watt and energy-saving features to help save you money.



### FEATURING

- Superscale unified shader architecture
- PCI Express 2.0 support
- 320 Unified Stream Processors
- 256-bit memory interface
- Direct X 10.1 / Shader Model 4.1 / OpenGL 2.0
- ATI Crossfire X Multi-GPU Support for highly scalable performance
- Up to four GPU support with an AMD 790FX based motherboard
- High-speed 128-bit-HDR (High Dynamic Range) rendering
- Up to 24x Custom Filter Anti-Aliasing
- 55nm process technology
- ATI Avivo HD Video and Display Technology
- Game Physics processing capability
- Up to 24X Custom Filter Anti-Aliasing
- Built-in HDMI with Multi-channel 5.1 surround audio
- Support for the ATI Radeon DVI to HDMI adapter
- Unified Video Decoder (UVD) for Blu-ray and HD DVD
- ATI PowerPlay energy conserving technology
- RoHS compliant
- Build in HDCP Support
- Windows Vista™ 3D environment Support

### SPECIFICATIONS

- GPU: Radeon™ 3870
- Bus Type: PCI-Express
- Core Clock: 775 MHZ
- Memory Size: 512MB
- Memory Configuration: 16Mx32 GDDR4
- Memory Interface: 256-Bit
- Memory Speed: 1200 MHz
- Two Dual Link DVI + HDTV-Out (HDMI support VIA Adapter)

### System Requirements

- Windows®XP with Service Pack 2 (SP2)
- Windows®2000™
- Windows®Vista™ Ready
- AMD Athlon®; or Intel® Pentium®4
- 512MB of system memory; 1GB or more for best performance.
- Optical drive for installation software (CD-ROM or DVD-ROM drive).
- 480MB available hard disk space
- A 450 Watt or greater (650 for CrossFire™) power supply recommended

### Package Includes

- Diamond Viper ATI Radeon™ HD 3870 graphics card
- Quick Start Guide
- DVI - VGA adapter
- DVI - HDMI adapter
- Crossfire Bridge Interconnect
- S-video to HDTV (7pin)
- S-video
- Install CD (With Catalyst™ drivers 3D Mark'06 Demo and DVD playback software)