

**DIAMOND****VIPER**<sup>®</sup>**X1950CF512PCIE**

## Viper X1950CF

**The World Fastest Graphics Card****Featuring: RADEON™ X1950 CrossFire™****Memory: 512MB****Slot Type: PCIE****With: Dual DVI (Dual Link) /  
HDTV / D-Sub /ViVo**

## Overview

### THE GAME IS ON!

With the Radeon® X1950 series, your graphics performance will never be compromised. Imagine games with hyper realistic light blooms, lifelike skin textures, and silky smooth hair. Now imagine the non-stop action packed gaming on a CrossFire™ platform – the only choice for hardcore gamers. That's what it's like with the Radeon X1950, ATI's fastest and most flexible 3D processor. All gaming, all the time. Radeon® graphics. Never compromise.



### AVIVO™

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



### FEATURING

- 90 Nanometer Technology
- 48 pixel shader processors
- 384 million transistors on 90nm
- 8 vertex shader processors
- 256-bit 8-channel GDDR4 memory interface
- Lightning fast memory clock speeds
- High Dynamic Range (HDR) rendering
- Support for Microsoft® DirectX® 9.0 & Shader Model 3.0
- AVIVO and 3D excellence
- CATALYST Software Drivers
- Simultaneously drive 2 High Resolution panels
- HDTV Support

### SPECIFICATIONS

- GPU: ATI Radeon® X1950 CrossFire
- Bus Type: PCI-Express x16
- Memory Support: 512MB GDDR4
- Memory Interface: 256 bit
- Core Clock Speed: 650 MHz
- Memory Speed: 2.0 GHz
- Shader Units: 48
- Geometry Pipelines: 16
- Peak Pixel Fill Rate: 10.4 Gpixels/sec
- Peak Vertex Throughput: 1300
- Peak Memory Bandwidth: 64.0 GB/s
- API Support: DirectX® 9.0, OpenGL

### System Requirements

- Intel® Pentium® 4 or AMD® Athlon® 64 FX CPU's
- CPU running at 2.4 GHz or higher
- 550-Watt power supply or greater, 30 Amps on 12 volt rail recommended (assumes fully loaded system)  
\*1100 Watt ATX 2.0 or higher required for use with crossfire not included
- PCI Express compliant power supply required.  
Connect directly to the power supply with a 6 pin PCI Express power connector
- Super VGA or DVI-I compatible monitor
- Microsoft Windows® XP, XP 64, 2000, MCE
- PCI Express X16 compliant slot
- CD-ROM or DVD-ROM drive
- 512MB system RAM minimum
- 480MB available hard disk space

### Package Includes:

- Quick Install Guide
- Software: ATI CATALYST, Diamond Tools, DVD Playback
- Component-out cable adapter
- 9-pin S-Video/composite VIVO
- 6-inch S-Video cable
- 6-inch composite cable
- 2 x DVI-to-VGA adapter

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