



<b>SKU</b>	5450PE3512	
<b>PRODUCT</b>	DIAMOND AMD ATI Radeon™ 5450PE3512 GDDR3 512MB PCI Express Video Card	
<b>PRODUCT SHORT DESCRIPTION</b>	<b>INTERFACE</b>	PCI Express x16
	<b>GPU</b>	Cedar
	<b>CORE CLOCK</b>	650 MHz
	<b>MEMORY CLOCK</b>	1200 MHz
	<b>MEMORY CONFIGURATION</b>	64M x 16
	<b>MEMORY TYPE</b>	GDDR3
	<b>MEMORY BANDWIDTH</b>	9.6 GB/sec
	<b>MEMORY SIZE</b>	512MB
	<b>MEMORY CONTROLLER INTERFACE</b>	GDDR3
	<b>PORTS</b>	Dual-Link DVI,HDMI,VGA
	<b>DUAL LINK DVI</b>	Yes

**PRODUCT DETAILED DESCRIPTION**

292 million 40nm transistors  
 TeraScale 2 Unified Processing Architecture  
 8 Texture Units  
 16 Z/Stencil ROP Units  
 4 Color ROP Units  
 GDDR3 memory interface  
 PCI Express 2.1 x16 bus interface  
 DirectX® 11 support  
 Shader Model 5.0  
 DirectCompute 11  
 Programmable hardware tessellation unit  
 Accelerated multi-threading  
 HDR texture compression  
 Order-independent transparency  
 OpenGL 3.2 support  
 Image quality enhancement technology  
 Up to 12x multi-sample and super-sample anti-aliasing modes  
 Adaptive anti-aliasing  
 16x angle independent anisotropic texture filtering  
 128-bit floating point HDR rendering  
 ATI Stream acceleration technology  
 OpenCL 1.0 compliant  
 DirectCompute 11  
 Accelerated video encoding, transcoding, and up scaling  
 Native support for common video encoding instructions  
 ATI CrossFireX™ multi-GPU technology

**PRODUCT FEATURES**

ATI Radeon HD 5400 Series graphics processors offer the most features and functionality in its class. With ATI Radeon HD 5400 Series graphics processors you get a multi-purpose graphics solution for maximum versatility. The Diamond ATI Radeon HD 5450 includes our most comprehensive feature set to date. Along with DirectX 11, including Shader Model 5.0, and OpenGL 3.21 capabilities, the Diamond ATI Radeon HD 5450 also supports integrated HDMI 1.3, integrated HDCP and native support for Blu ray and HD DVD decode. Diamond ATI Radeon HD 5450 with support for Windows XP, Windows Vista, and fully compliant support for Windows 7, makes this a great value for your PC.

<b>SYSTEM REQUIREMENT</b>	<b>EXTERNAL POWER REQUIREMENT</b>	NO
	<b>CPU</b>	Pentium Intel Duo, AMD X64 or higher
	<b>CPU SPEED</b>	2.4 GHz or higher CPU
	<b>MEMORY</b>	1024MB
	<b>HARD DISK</b>	480MB available hard disk space
	<b>SYSTEM BUS</b>	PCI Express x16
	<b>SLOT</b>	SINGLE
	<b>CHASSIS</b>	ATX
	<b>MONITOR</b>	Digital flat-panel (DFP) displays or DVI-I Compatible or digital CRT display or High-resolution VGA monitor
	<b>INTERNET ACCESS</b>	NO
	<b>USB</b>	NO
	<b>CD DVD</b>	YES
	<b>POWER SUPPLY</b>	400 Watt or greater power supply recommended

**OPERATING SYSTEM** WINDOWS-7-32 WINDOWS-7-64 WINXP WINXP64 WINVISTA32 WINVISTA64 MCE

**FORM FACTOR** Low Profile Half-Height

**DIMENSIONS** [PRODUCT] : 6.0 x 4.0 x 1.2 in [RETAIL BOX] : 9.5 x 2.875 x 11.5 in [S BUILDER] : 9.5 x 2.875 x 11.5 in

**WEIGHT** [PRODUCT WEIGHT] : .60 LBS [PRODUCT WITH CONTENT WEIGHT] : 2.0 LBS

**UPC** RETAIL PACKAGE UPC : 757448010947

- PACKAGE CONTENT**
- DIAMOND RADEON HD 5450 GDDR3 512MB PCI EXPRESS VIDEO CARD
  - INSTALL CD
  - QUICK START GUIDE

**PRODUCT WEBPAGE** <http://www.diamondmm.com/5450PE3512.php>

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