

# DIAMOND MULTIMEDIA

## Product Setup Sheet

DATE : July 14, 2008 - 4:06 pm

SKU	4870PE5512OC		
SYSTEM BUILDER SKU			
PRODUCT	ATI Radeon™ HD 4870 512MB GDDR5 XOC Black Edition		
PRODUCT SHORT DESCRIPTION	INTERFACE	PCI Express x16	
	GPU	HD 4870	
	CORE CLOCK	800 MHZ	
	MEMORY CLOCK	1100 MHz	
	MEMORY CONFIGURATION	16M x 32	
	MEMORY TYPE	GDDR5	
	MEMORY BANDWIDTH	160 GB/Sec	
	MEMORY SIZE	512MB	
	MEMORY CONTROLLER INTERFACE	256-bit	
	DUAL MONITOR	2 Dual-Link DVI, Video Out [S-Video, Composite, HDTV]	
	DUAL LINK DVI	Hydravision 4	
	PRODUCT DETAILED DESCRIPTION	<p>ATI Radeon™ HD 4800 Series</p> <p>The ATI Radeon HD 4800 Series GPUs bring the power of graphics “supercomputing” to gamers, setting a new standard for visual computing. Redefine the way you play and take HD gaming to the extreme with best-in-class performance. The new TeraScale graphics engine delivers an immersive, cinematic gaming experience. Add this GPU to your PC and watch Blu-ray movies and play HD content with incredible visual fidelity.* Do it all with break-through efficiency that doesn’t compromise performance.</p> <p>unprecedented performance. The powerful new TeraScale graphics will propel you deep into your gameplay with seamless frame rates and high resolutions. Enhanced anti-aliasing (AA) and anisotropic filtering create striking graphics with unparalleled realism so you can max out the settings of the most demanding next-generation games or revitalize your favorite titles. Play today while preparing for tomorrow with tessellation, support for DirectX® 10.1 and scalable ATI CrossFireX™ technology.</p> <p>Go Beyond HD Video</p> <p>Add an ATI Radeon HD 4800 Series GPU to your PC and watch the latest Blu-ray and HD movies play with incredible fidelity –upscale to nearly twice the display resolution of HD content.* Take full advantage of Blu-ray functionality with dual-stream, picture in picture (PIP) capabilities.</p> <p>Sophisticated new features within ATI Avivo™ HD technology provide a truly responsive experience.</p> <p>Support for the latest audio visual interconnects ensures you can take advantage of the latest display technology.</p> <p>Break-through Efficiency - Like its predecessors, the ATI Radeon HD 4800 Series GPUs offer optimal performance and break-through efficiency with platform-independent intelligent power management. Regardless of platform, ATI PowerPlay™ delivers the power needed to blaze through even the most intense games while intuitively conserving energy at idle or when demand is low.</p>	
	PRODUCT FEATURES	<p>Superscale unified shader architecture</p> <p>PCI Express 2.0 support</p> <p>800 Unified Stream Processors</p> <p>256-bit memory interface</p> <p>Direct X 10.1 / Shader Model 4.1 / OpenGL 2.0</p> <p>ATI Crossfire X Multi-GPU Support for highly scalable performance</p> <p>Up to four GPU support with an AMD 790FX based motherboard</p> <p>High-speed 128-bit-HDR (High Dynamic Range) rendering</p> <p>55nm process technology</p> <p>Game Physics processing capability</p> <p>Up to 24X Custom Filter Anti-Aliasing</p> <p>Support for the ATI Radeon DVI to HDMI adapter</p> <p>Unified Video Decoder (UVD) for Blu-ray</p> <p>ATI PowerPlay energy conserving technology</p> <p>RoHS compliant</p> <p>Built in HDCP Support</p>	

	<b>Optimized for Windows Vista™ with comprehensive DirectX® 10.1 and DirectX® 9 support</b> ATI Avivo™ HD Video and Display Technology Built-in HDMI with Multi-channel 7.1 surround audio Two Dual Link DVI with full resolution HDCP support HD video playback Full 30-bit display processing CATALYST Software Drivers Windows Vista™ 3D environment Support	
SYSTEM REQUIREMENT	EXTERNAL POWER REQUIREMENT	2 x 6-pin
	SYSTEM REQUIREMENT CPU	Min. Intel 2.0 Celeron, Pentium Intel Duo, AMD 3800+ or higher
	SYSTEM REQUIREMENT CPU SPEED	2.0 Ghz or faster
	SYSTEM REQUIREMENT MEMORY	1024MB
	SYSTEM REQUIREMENT POWER SUPPLY	450 Watt or greater power supply with 75 Watt 2 x 6-pin PCI Express® power connector recommended.
	SYSTEM REQUIREMENT SPECIAL INSTRUCTIONS	ATI Radeon HD 4870 and ATI Radeon HD 4850 System Requirements: PCI Express® based PC is required with one X16 lane graphics slot available on the motherboard 450 Watt or greater power supply with 75 Watt 6-pin PCI Express® power connector recommended (550 Watt and two 6-pin connectors for dual ATI CrossFireX™) Certified power supplies are recommended 1GB of system memory recommended Installation software requires an optical drive DVD playback requires DVD drive Blu-ray™ / HD DVD playback requires a Blu-ray / HD DVD drive For a complete ATI CrossFireX™ system, additional ATI Radeon™ HD 4800 series graphics card(s), an ATI CrossFireX Ready motherboard and one ATI CrossFireX Bridge Interconnect cable per board (included) are required.
	SYSTEM REQUIREMENT HARD DISK	400MB
	SYSTEM REQUIREMENT BUS	PCI Express x16
	SYSTEM REQUIREMENT STANDARD SLOT SOLUTION	DOUBLE
	SYSTEM REQUIREMENT CHASSIS	ATX
	SYSTEM REQUIREMENT MONITOR	Digital flat-panel (DFP) displays or DVI-I Compatible or digital CRT display or High-resolution VGA monitor
	SYSTEM REQUIREMENT INTERNET ACCESS	NO
	SYSTEM REQUIREMENT USB	NO
	SYSTEM REQUIREMENT CD DVD	YES
OPERATING SYSTEM	SYSTEM REQUIREMENT OS WIN2003	YES
	SYSTEM REQUIREMENT OS WINXP	YES
	SYSTEM REQUIREMENT OS WINXP64	YES
	SYSTEM REQUIREMENT OS WINVISTA32	YES
	SYSTEM REQUIREMENT OS WINVISTA64	YES
PRODUCT DIMENSIONS	4 7/8 X 6/8 X 8 1/4	
RETAIL BOX DIMENSIONS	11.75 X 9.5 X 3	
SYSTEM BUILDER BOX DIMENSIONS	11.75 X 7.25 X 2	
PRODUCT WEIGHT	2.75 Lbs	
PRODUCT WEIGHT WITH CONTENT	3.55 Lbs	
RETAIL PACKAGE UPC	757448006292	
SYSTEM BUILDER PACKAGE UPC	Page 2 of 3	

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PRODUCT IMAGE	HD4870PE512_product_image.gif	
RETAIL PACKAGING IMAGE	HD4870PE512_retail_box.gif	
PACKAGE INCLUDE	PACKAGE INCLUDE ITEM	DIAMOND Radeon HD 4870 Over clocked PCIE 512MB GDDR5 VIDEO CARD
	PACKAGE INCLUDE ITEM 1	Quick Start Guide
	PACKAGE INCLUDE ITEM 2	2 DVI-TO-VGA ADAPTERS
	PACKAGE INCLUDE ITEM 3	S-VIDEO CABLE
	PACKAGE INCLUDE ITEM 4	CROSSFIRE Brigde Interconnect
	PACKAGE INCLUDE ITEM 5	Diamond Warranty Card
	PACKAGE INCLUDE ITEM 6	INSTALL CD
	PACKAGE INCLUDE ITEM 7	Component HDTV ADAPTER
	PACKAGE INCLUDE ITEM 8	DVI-TO-HDMI ADAPTER
WEB PAGE		

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