



SKU	5670PE51GT	
PRODUCT	DIAMOND AMD ATI Radeon™ HD 5670 1 Dual Link DVI + 1 HDMI + VGA Video Card	
PRODUCT SHORT DESCRIPTION	INTERFACE	PCI Express x16
	GPU	5670
	CORE CLOCK	775 MHz
	MEMORY CLOCK	950 MHz
	MEMORY CONFIGURATION	32Mx32
	MEMORY TYPE	GDDR5
	MEMORY BANDWIDTH	60.8 GB/s
	MEMORY SIZE	1024MB
	MEMORY CONTROLLER INTERFACE	GDDR5 memory interface
	PORTS	Dual-Link DVI,HDMI,VGA
	DUAL LINK DVI	YES

PRODUCT DETAILED DESCRIPTION

- ATI Radeon™ HD 5670 GPU Feature Summary 627 million 40nm transistors TeraScale 2 Unified Processing Architecture
- 400 Stream Processing Units
- 20 Texture Units
- 32 Z/Stencil ROP Units
- 8 Color ROP Units GDDR5 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 support1 Image quality enhancement technology
- Up to 24x multi-sample and super-sample anti-aliasing modes
- Adaptive anti-aliasing
- 16x angle independent anisotropic texture filtering
- 128-bit floating point HDR rendering
- Three independent display controllers
- OpenCL Support
- DirectCompute 11
- Accelerated video encoding, transcoding, and upscaling
- Native support for common video encoding instructions ATI CrossFireX™ multi-GPU technology
- Dual GPU scaling ATI Avivo HD Video & Display technology
- UVD 2 dedicated video playback accelerator
- Advanced post-processing and scaling
- Dynamic contrast enhancement and color correction
- Brighter whites processing (blue stretch)
- Independent video gamma control
- Dynamic video range control
- Support for H.264, VC-1, MPEG-2, and Adobe Flash
- DXVA 1.0 & 2.0 support
- Integrated dual-link DVI output with HDCP
- Max resolution: 2560x1600
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- Integrated HDMI 1.3 output with Deep Color, xvYCC wide gamut support, and high bit-rate audio
- Max resolution: 1920x1200
- Max resolution: 2048x1536
- 3D stereoscopic display/glasses support
- Integrated HD audio controller
- Output protected high bit rate 7.1 channel surround sound over HDMI with no additional cables required
- Supports AC-3, AAC, Dolby TrueHD and DTS Master Audio formats ATI PowerPlay™ power management technology
- Dynamic power management with low power idle state
- Ultra-low power state support for multi-GPU configurations Certified drivers for Windows 7, Windows Vista, and Windows XP
- Engine clock speed: 775 MHz
- Processing power (single precision): 620 GigaFLOPS
- Polygon throughput: 775M polygons/sec
- Data fetch rate (32-bit): 62 billion fetches/sec
- Texel fill rate (bilinear filtered): 15.5 Gigatexels/sec
- Pixel fill rate: 6.2 Gigapixels/sec
- Anti-aliased pixel fill rate: 24.8 Gigasamples/sec
- Memory clock speed: 1.0 GHz
- Memory data rate: 4.0 Gbps
- Memory bandwidth: 64 GB/sec
- Maximum board power: 64 Watts
- Idle board power: 15 Watts

PRODUCT FEATURES

The Diamond ATI Radeon™ HD 5670 delivers significantly increased processing capabilities and includes our most comprehensive feature set to date. Along with DirectX 11, including Shader Model 5.0, and OpenGL 3.2.1 capabilities, the Diamond ATI Radeon HD 5670 also supports unparalleled display flexibility, integrated HDMI 1.3, integrated HDCP and native support for Blu ray and HD DVD decode. Combined with support for Windows XP and Windows Vista, Diamond ATI Radeon™ HD 5670 also comes with fully compliant support for Windows 7, making this the ideal GPU for the latest cutting edge PCs.

SYSTEM REQUIREMENT

EXTERNAL POWER REQUIREMENT	NONE
CPU	Pentium Intel Duo, AMD X64 or higher
CPU SPEED	2.4 GHz or higher CPU
MEMORY	1024MB
HARD DISK	100MB
SYSTEM BUS	PCI Express x16
SLOT	SINGLE
CHASSIS	ATX
MONITOR	Digital flat-panel (DFP) displays or DVI-I Compatible or digital CRT display or High-resolution VGA monitor or Display Port
INTERNET ACCESS	NO
USB	NO
CD DVD	YES
POWER SUPPLY	400 Watt or greater power supply recommended (500 Watt for ATI CrossFireX™ technology in dual mode)

OPERATING SYSTEM	WINDOWS-7-32 WINDOWS-7-64 WINXP WINXP64 WINVISTA32 WINVISTA64 MCE LINUX32 LINUX64
FORM FACTOR	Standard Profile Full-Height
DIMENSIONS	[PRODUCT] : 6.8 x 4.4 x 1.5 inches [RETAIL BOX] : 11.5 x 9.5 x 2.875 inches [S BUILDER] : 11.5 x 9.5 x 2.875 inches
WEIGHT	[PRODUCT WEIGHT] : .70 LBS. [PRODUCT WITH CONTENT WEIGHT] : 2.20 LBS.
UPC	RETAIL PACKAGE UPC : 757448010961

PACKAGE CONTENT

- 5670PE51G GRAPHIC CARD
- INSTALL CD
- QUICK START GUIDE

PRODUCT WEBPAGE

<http://www.diamondmm.com/5670PE51GT.php>

PRODUCT NOTES

California Health & Safety Notice : The solder used in this product contains lead, a chemical known to the State of California to cause birth defects and other reproductive harm. Please wash hands after handling internal components and circuit boards and avoid inhalation of fumes if heating the solder.

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Diamond Multimedia
 20740 Plummer St. Chatsworth, CA 91311
 Tel: (818) 534-1414 Fax: (818) 773-9619
<http://www.diamondmm.com>