

Gainward HD 4870 1024MB DisplayPort “Golden Sample™”



| GPU | Core | Memory | Capacity | Type | Outputs |
|---------|---------|----------|----------|-----------------|-----------------------------|
| HD 4870 | 750 MHz | 3800 MHz | 1GB | DDR5 / 256 bits | DisplayPort, DVI, HDMI, VGA |

PRODUCT SPECIFICATIONS

CHIPSET SPECIFICATIONS

BUNDLED ACCESSORIES

- **Superior Hardware Design**
- **Gainward's** award winning High-Performance/Wide-Bandwidth™ hardware design powered by ATI's Radeon® **HD 4870** GPU integrating **1024MB/256bits high-speed DDR5** memory which offers enhanced, leading-edge performance for the 3D enthusiasts.
- **Dual BIOS** support for easily select two different over-clocking speeds, “**Normal**” mode and “**Turbo**” mode.
- **750MHz** core clock, **DDR5 950 (DDR 3800) MHz** memory clock (Normal Mode).
- **775MHz** core clock, **DDR5 1000 (DDR 4000) MHz** memory clock (Turbo Mode).
- High performance two-slot dual cooling fans.
- Provides **DisplayPort**, **DVI** (Dual-link DVI, support up to 2560x1600), **HDMI** and **VGA (D-sub 15)** connectors.
- Provides **HDMI** functionality up to 1080p resolution.
- Supports two monitors simultaneously, enabled by ATI's Multi-Display Technology for office applications, 3D gaming and professional applications, animation or video editing. It allows end-users to select any combination of display configurations, within DisplayPort, DVI, HDMI and VGA.

- **AMD ATI Radeon HD 4870 (RV770XT):** ATI's powerful new TeraScale graphics engine features deliver high resolution and fast frame rates.
- **Unified Superscalar Shader Architecture:** with **800** stream processing units support for dynamic load balancing and resource allocation for vertex, geometry and pixel shaders.
- **Microsoft DirectX 10.1 support**
 - Shader Model 4.1
 - 32-bit floating point texture filtering
 - Indexed cube map arrays
 - Independent blend modes per render target
 - Pixel coverage sample masking
 - Read/write multi-sample surfaces with shaders
 - Gather4 texture fetching
- **Anti-Aliasing Features:**
 - Multi-sample anti-aliasing (2, 4 or 8 samples per pixel)
 - Up to 24x custom filter anti-aliasing (CFAA) for improved quality
 - Adaptive super-sampling and multi-sampling
 - Temporal anti-aliasing
 - Gamma correct
 - Super AA (ATI Crossfire configuration only)

- Gainward ATI Quick Start Manual



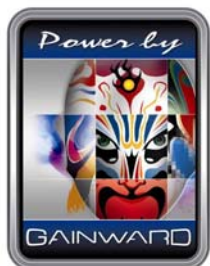
- Driver CD and Application S/W

Driver for Windows XP/2000/XP 64



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- **ATI Catalyst™ Software Suite** provides a full software solution for supported OS and delivers improved performance, certified stability, unmatched visual quality, innovative and exciting features that enables users to quickly setup and configure the graphics product.
- Includes Gainward's award winning **EXPERTool™ tuning utility** for customized performance enhancements and efficient desktop management.
- Easy Plug-and-Play **AUTORUN** installation from CD-ROM.
- **ATI's CrossFireX™ Technology:** ATI's CrossFireX™ technology enables two or more discrete graphics processors to work together to improve system performance. The must-have feature for performance PCI Express graphics, CrossFireX™ technology dramatically scales performance on today's hottest games.
- **PCI Express 2.0 Support:** Designed to run perfectly with the new PCI Express 2.0 bus architecture, offering a future-proofing bridge to tomorrow's most bandwidth-hungry games and 3D applications by maximizing the 16 GB/s PCI Express 2.0 bandwidth (twice that of first generation PCI Express).



- **Texture Filtering Features:**
 - 2x/4x/8x/16x high quality adaptive anisotropic filtering modes (up to 128 taps per pixel)
 - 128-bit floating point HDR texture filtering
 - Bicubic filtering
 - sRGB filtering (gamma/degamma)
 - Percentage Closer Filtering (PCF)
 - Depth & stencil texture (DST) format support
 - Shared exponent HDR (RGBE 9:9:9:5) texture format support
- **Avivo™ HD Video and Display Platform**
 - Dedicated unified video decoder 2 (UVD2) for H.264/AVC and VC-1 video formats
 - ATI Avivo Video Post Processor
 - Two independent display controllers
 - HDMI output support
 - Hardware MPEG-1, MPEG-2, and DivX video decode acceleration
 - On-chip HDCP
 - Seamless integration of pixel shaders with video in real time
 - VGA mode support on all display outputs
- **ATI PowerPlay™ technology**
 - Advanced power management technology for optimal performance and power savings
 - Performance-on-Demand
 - Central thermal management – on-chip sensor monitors GPU temperature and triggers thermal actions as required



- Cables and Accessories

Supplementary power cable



HDMI to DVI converter

(to provide another DVI port through HDMI)



Note: Gainward's bundle items are subject to change. Please refer to your local Gainward dealer for more information, or the description in the regional product package

SYSTEM REQUIREMENTS

- Intel Core2Duo series, AMD Athlon 64 X2 series or above CPU
- A minimum of 2GB system memory
- A minimum 500W system power supply with two 6-pin power connectors available.
- DVD-ROM drive
- Requires a PCI Express or PCI Express 2.0 compliant motherboard
- Requires an available PCI Express x16 slot
- Windows Vista/XP/2000/XP 64

API SUPPORT

- DirectX 10.1/9.0c in hardware
- OpenGL 2.0 support

OS SUPPORT

- Windows Vista/XP/2000/XP 64

BAR CODE

- Large Box: 471846200-9597

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