

# Gainward 8400GS 512MB HDMI DVI



GPU	Core	Memory	Capacity	Type	Outputs
GF8400GS	450 MHz	700 MHz	512MB	DDR2	DVI-I, VGA, HDMI

## PRODUCT SPECIFICATIONS

## CHIPSET SPECIFICATIONS

## BUNDLED ACCESSORIES

- **Superior Hardware Design**
- **Gainward's** award winning High-Performance/Wide-Bandwidth™ hardware design powered by NVIDIA's GeForce™ **8400GS** GPU integrating **512MB** high-speed DDR2 memory which offers enhanced, leading-edge performance for the 3D enthusiasts.
- **450MHz** core clock and **350MHz** (DDR 700) memory clock speed.
- High performance one-slot passive cooling.
- Provides **DVI-I** (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 the NVIDIA **nView™** Multi-Display Technology for office applications, 3D gaming and professional applications such as CAD, DTP, animation or video editing. NVIDIA **nView™** allows end-users to select any combination of multiple displays.
- 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.

- **NVIDIA GeForce™ 8400GS(G86):** NVIDIA's latest GPU architecture built for Windows Vista.
- **NVIDIA unified architecture:** Fully unified shader core dynamically allocates processing power to geometry, vertex, physics, or pixel shading operations, delivering up to 2x the gaming performance of prior generation GPUs.
- **GigaThread Technology:** Massively multi-threaded architecture supports thousands of independent, simultaneous threads, providing extreme processing efficiency in advanced, next generation shader programs.
- **Full Microsoft DirectX 10 Support:** DirectX 10 with full Shader Model 4.0 support delivers unparalleled levels of graphics realism and film-quality effects.
- **NVIDIA Lumenex Engine:** Delivers stunning image quality and floating point accuracy at ultra-fast frame rates:

**16x Anti-aliasing:** Lightning fast, high-quality anti-aliasing at up to 16x sample rates obliterates jagged edges.

**128-bit floating point High Dynamic-Range (HDR) Lighting:** Twice the precision of prior generations for incredibly realistic lighting effects – now with support for anti-aliasing.

- Gainward QuickStart Manual



- Driver CD and Application S/W

*Driver for Windows Vista/XP/2000*



- Cables and Accessories

*SPDIF cable (for HDMI)*



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- **NVIDIA ForceWare Unified Driver Architecture (UDA):** Delivers a proven record of compatibility, reliability, and stability with the widest range of games and applications. ForceWare provides the best out-of-box experience and delivers continuous performance and feature updates over the life of NVIDIA GeForce GPU.
- **PCI Express Support:** Designed to run perfectly with the PCI Express bus architecture, which doubles the bandwidth of AGP 8X to deliver over 4GB/sec. in both upstream and downstream data transfers.
- **NVIDIA Quantum Effects Technology:** Advanced shader processors architected for physics computation enable a new level of physics effects to be simulated and rendered on the GPU – all while freeing the CPU to run the game engine and AI.
- **OpenGL 2.1 Optimizations and Support:** Ensures top-notch compatibility and performance for OpenGL application.
- **PureVideo™ HD technology** - The third generation technology, combination of high-definition video decode acceleration and post-processing that delivers unprecedented picture clarity, smooth video, accurate colour, and precise image scaling for movies and video. It provides ultra-smooth playback of H.264, VC-1, WMV, MPEG-2 HD and SD movies.
- **HDCP Capable** Designed to meet the output protection management (HDCP) and security specifications of the Blu-ray Disc and HD DVD formats, allowing the playback of encrypted movie content on PCs when connected to HDCP-compliant displays.

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 Pentium 4, AMD Athlon or compatible CPU
- A minimum of 1GB system memory
- DVD-ROM drive
- Requires a PCI Express motherboard
- Requires an available PCI Express x16 slot
- Windows Vista/XP/2000

## API SUPPORT

- DirectX 9.0c/10 in hardware
- OpenGL 2.1 support

## OS SUPPORT

- Windows Vista/XP/2000

## BAR CODE

- Small Box: 426018336-0094

*SilentFX*



**GAINWARD**  
BEYOND YOUR SENSES