

# Gainward 9600GT 512MB DisplayPort “Golden Sample™”



GPU	Core	Memory	Capacity	Type	Outputs
9600GT	700 MHz	1000 MHz	512 MB	GDDR3 / 256 bits	2xDVI-I, DP, 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™ 9600GT GPU integrating 512MB/256bits high-speed DDR3 memory which offers enhanced, leading-edge performance for the 3D enthusiasts.
- 700+MHz core and 1000+ (DDR 2000+) MHz memory clock speed.
- High performance Low noise Fan Cooling.
- Provides two **DVI** (or CRT), one **DisplayPort** (support up to 2560x1600) and one **HDMI** connector (support up to 1920x1200) display output ports.
- 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™ 9600GT:** NVIDIA's fourth-generation 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:** World's first DirectX 10 with full Shader Model 4.0 support delivers unparalleled levels of graphics realism and film-quality effects. It provides reference GPU for industry's DirectX 10 API development and certification.
- **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



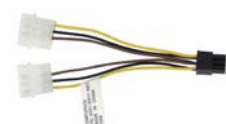
- Driver CD and Application S/W

*Driver for Windows Vista/XP*



- Cables and Accessories

*HDD Power Cable*



# Gainward 9600GT 512MB DisplayPort

## “Golden Sample™”

- **NVIDIA SLI™ Technology:** Delivers up to 2x the performance of a single graphics card configuration for unequalled gaming experiences by allowing two cards to run in parallel. The must-have feature for performance PCI Express graphics, SLI technology dramatically scales performance on today's hottest games.
- **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 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).

- **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 3.0 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.

Optical SPDIF Cable



SPDIF Cable (internal)



DVI to VGA converter



**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 450W power supply unit and a 6-pin PCI-Express power connector or two unused HDD power connectors available.
- DVD-ROM drive
- Requires a PCI Express compliant motherboard
- Requires an available PCI Express slot
- Windows Vista/XP

### API SUPPORT

- DirectX 9.0c/10 in hardware
- OpenGL 3.0 support

### OS SUPPORT

- Windows Vista/XP

### BAR CODE

- Large Box: 471846200-9115



# GAINWARD

BEYOND YOUR SENSES

Gainward Europe GmbH | www.gainward.net | Tel. +49-89 89 899 0  
Lochhamer Straße 29, D-821 52, Martinsried, Germany