



# GAINWARD

Premium Brand of #1 NVIDIA Board Partner

## Gainward GeForce GTX 960 Phantom

### Specifications

Process Technology	28nm	Base Clock	1203 MHz
Processor Cores	1024 cores	Boost Clock	1266 MHz
Memory Amount	2048MB	Memory Clock	3600 MHz
Memory Type	128b GDDR5	Memory Bandwidth	115.2 (GB/Sec)

### Key Features

- Next generation NVIDIA Maxwell architecture
- NVIDIA GPU Boost 2.0
- NVIDIA Dynamic Super Resolution technology
- NVIDIA MFAA technology
- NVIDIA GameStream technology
- NVIDIA GameWorks technology
- NVIDIA SHIELD ready
- NVIDIA Adaptive Vertical Sync
- NVIDIA G-SYNC ready
- Microsoft DirectX 12 support
- NVIDIA PhysX technology
- NVIDIA CUDA technology
- NVIDIA 3D Vision and NVIDIA Surround ready
- NVIDIA SLI technology
- PCI Express 3.0 support
- OpenGL 4.4 and OpenCL support
- Support for four concurrent displays



### Output Support



HDMI : (max. resolution)  
4096x2160@60Hz  
DP : (max. resolution)  
4096x2160@60Hz  
DVI\*2 : (max. resolution)  
2560x1600@60Hz

### Dimension

Board: 247mm(L)x112mm(W)  
Cooler :2.5 slot  
Bracket: 2 slot

### Accessory

1. Driver Disc
2. Manual
3. Power cable
4. DVI to VGA dongle



### Gainward Unique Features

- **Phantom cooler with Removable fan design**



The new Phantom comes with brand new fans design (patent M456684/ZL201320139962.6) that includes

- 1) Removable fan design – each fan body can be removed to clean if necessary
- 2) 4 pieces of copper heat-pipe and copper base - better thermal performance
- 3) solid structure

- **Expertool II**



Gainward's Expertool II – the brand-new utility adds flexible fan curve control and BIOS saving feature for powerful GTX 960 card.

### Minimum system requirements

Graphics card require:

- PCI Express-compliant motherboard with two and half width x16 graphics slot
- One 6-pin PCI Express supplementary power connector
- Minimum 400W or greater system power supply
- Microsoft Windows 8, 7, Windows Vista and XP

GW GTX960\_Phantom\_bar code: 426018336-3415



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## ■ Phantom cooler with Removable fan design

Gainward GTX 960 Phantom, continue the elegant design of the Phantom cooler. The new Phantom comes with brand new fans design (patent M456684/ZL201320139962.6) that includes

- 1) Removable fan design – each fan body can be removed to clean if necessary
- 2) 4 pieces of copper heat-pipe and copper base - better thermal performance
- 3) solid structure

With this new outstanding innovated thermal design and optimized product design Gainward GTX 960 Phantom delivers an extreme gaming performance for enthusiast gamers.

## ■ Extreme silent acoustics in heavy loading mode

With the new Phantom cooler, Gainward GTX 960 Phantom with factory over-clocked speed gets **6dB** quieter lower than reference board (reference clock) under full load operation.

## ■ Extreme cool temperature in heavy loading mode

Thanks to the new Phantom cooler, Gainward GTX 960 Phantom with factory over-clocked speed performs **6° C** lower GPU temperature than reference board with reference clock.

Four simultaneous displays on one single GTX 960 Phantom board, up to three monitors surround and an accessory display for email, chat, web browsing and more.

## ■ Superior Hardware Design

With the experience of the Gainward's award winning high-performance/wide-bandwidth hardware design, GeForce GTX 960 Phantom, again, with re-designing the entire hardware, that brings –

- 1) lower energy loss
- 2) lower EMI level
- 3) higher stability under high current operation (heavy loading operation).

Thanks to superior hardware design, Gainward's GeForce GTX 960 Phantom gains not only more power efficiency but better performance while gaming.

## ■ Expertool II



Gainward's Expertool II – the brand-new utility adds flexible fan curve control and BIOS saving feature for powerful GTX 960 Phantom board.