

GAINWARD

Premium Brand of #1 NVIDIA Board Partner

GAINWARD GeForce GTX 1070 Ti PHOENIX "Golden Sample"

Specifications

Process Technology	16nm	Base Clock	1607 MHz
Processor Cores	2432 cores	Boost Clock	1683 MHz
Memory Amount	8GB	Memory Clock	4000 MHz
Memory Type	256b GDDR5	Memory Bandwidth	256 (GB/Sec)

Key Features

- NVIDIA Pascal architecture, 8GB GDDR5 memory
- NVIDIA GPU Boost 3.0
- NVIDIA Ansel technology
- Simultaneous Multi-Projection
- NVIDIA GameWorks technology
- NVIDIA VRWorks technology
- NVIDIA Adaptive Vertical Sync
- NVIDIA G-SYNC ready
- Microsoft DirectX 12 support
- NVIDIA PhysX technology
- Vulkan API support
- NVIDIA SLI ready with HB Bridge support
- PCI Express 3.0 support
- OpenGL 4.5 and OpenCL support
- 1* Dual-link DVI, 1* HDMI (v2.0), 3* DisplayPort (v1.3/1.4 ready)
- 180W TDP



Output Support



HDMI : (max. resolution)
4096x2160@60Hz
DP *3 : (max. resolution)
4096x2160@60Hz
DVI-D : (max. resolution)
2560x1600@60Hz

Dimension

Board: 285mm(L)x133mm(W)
Cooler : 2.5 slot
Bracket: 2 slot

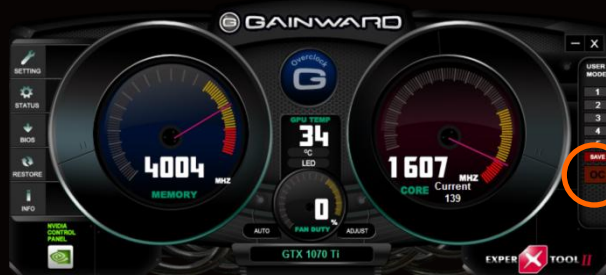
Accessory

1. Driver Disc
2. Manual
3. Power cable



Gainward Unique Features

- ✓ "One Button OC" to 1708MHz core speed (1797MHz boost) by ExperTOOL (v10.6)



- ✓ Extreme silent acoustics in 3D heavy loading under factory over-clocked speed
- ✓ Extreme cool in 3D heavy loading under factory over-clocked speed

Minimum system requirements

Graphics card require:

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- One 8-pin and one 6-pin PCI Express supplementary power connectors
- Minimum 500W or greater system power supply
- Microsoft Windows 10, 8, 7

GW GTX1070Ti_PhoenixGS_bar code: 426018336-4016



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PHOENIX



NEW PHOENIX COOLER DESIGN

A brand new cooler design brings Extreme Silent/Extreme Cool for Gainward GeForce GTX 1080 Phoenix board.

Gainward superior hardware design

Gainward re-designs the entire hardware, that brings higher stability under high current operation (heavy loading operation).

8 PWM Power for GPU Cores

Gainward uses 8 phases for GPU cores that helps to supply enough fuel to the 3D graphics engine. This design minimizes current loading and heat generation for each phase to stabilize the voltage level, the overall efficiency can be improved, the choke noise and EMI noise also be reduced.

DrMOS

DrMOS is designed to handle high current with low noise operation and less heat generating.

Dual BIOS (1: Default, 2: Backup)

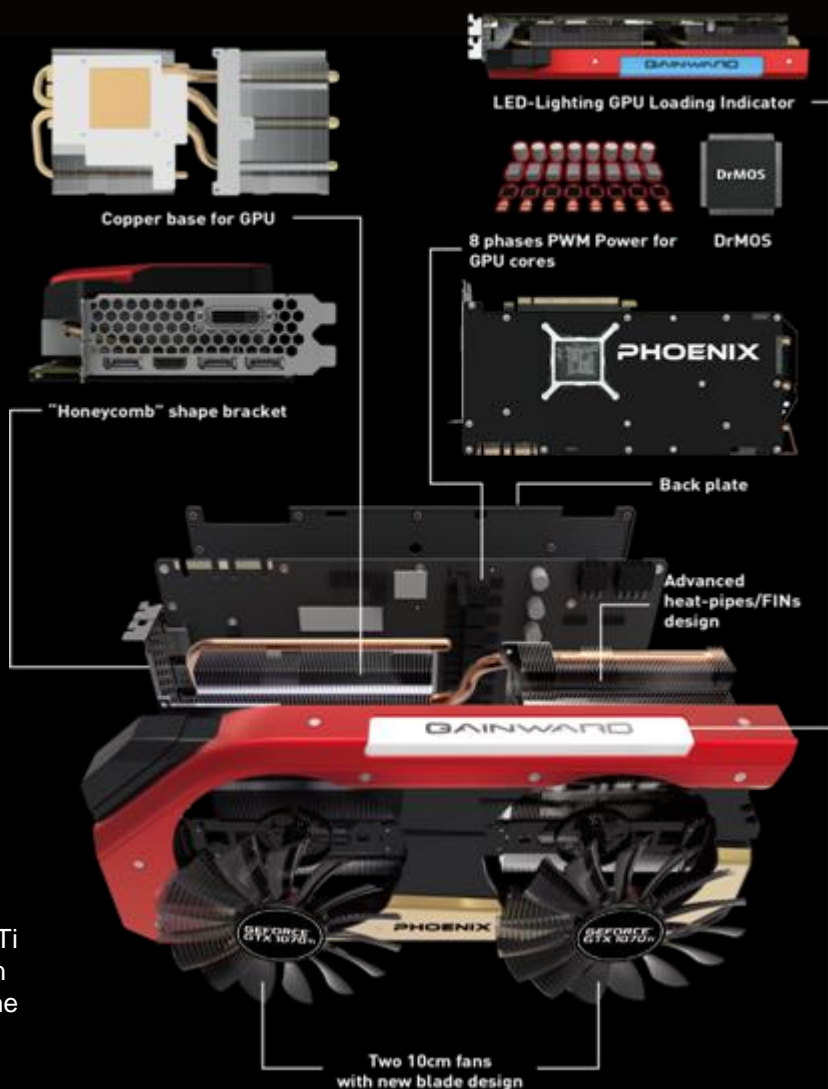
Gainward provides two VBIOS for GeForce GTX 1070 Ti Phoenix board. Factory default VBIOS is set on position 1 of the "dual BIOS switch". Users can over-clocking the Phoenix board with confidence thanks to the "backup BIOS" in the second VBIOS with position 2 of the "dual BIOS switch" whenever you need.

Extreme silent acoustics in heavy loading mode

Gainward GeForce GTX 1070 Ti Phoenix runs very quiet under full load operation thanks to the Phoenix cooler.

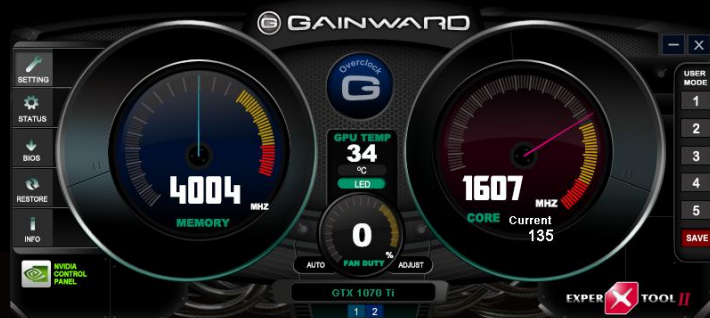
Extreme cool temperature in heavy loading mode

Gainward GeForce GTX 1070 Ti Phoenix performs extremely low GPU temperature even under heavy loading condition.



Expertool II

Gainward's Expertool II – the brand-new utility adds flexible fan curve control and BIOS saving feature for powerful GeForce GTX 1070 Ti card.



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