

GAINWARD PHANTOM

GeForce RTX 4090 Phantom



Key Features

- GDDR6X Graphics Memory
- Dedicated Ray Tracing Cores
- Dedicated Tensor Cores
- NVIDIA DLSS
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast
- NVIDIA G-SYNC®
- NVIDIA GPU Boost™
- Game Ready and NVIDIA Studio Drivers
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3, OpenGL 4.6
- DisplayPort 1.4a
- Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in HDMI 2.1a
- HDCP 2.3
- PCI Express® Gen 4

GAINWARD's superior hardware design is devoted to the highest stability under extreme heavy loading operation.



Specifications

CUDA Cores	16384	DRAM Amount	24 GB
Base Clock	2235 MHz	DRAM Type	384 bits GDDR6X
Boost Clock	2520 MHz	DRAM Clock	10500 MHz
TGP	450 W	DRAM Bandwidth	1008 GB/s

GW GeForce RTX 4090 Phantom_bar code: 471056224-3390 _ P/N: NED4090019SB-1020P

Output Info (Max resolution)

HDMI 2.1a * 1: 7680 x 4320 @ 60Hz
DP 1.4a * 3: 7680 x 4320 @ 60Hz



Minimum System Requirements

- PCI Express-compliant motherboard with one tri-width x16 graphics slot
- Microsoft Windows® 11, Windows® 10 64-bit, Linux 64-bit
- Recommend 1000W or greater system power supply
- One 16-pin PCIe 12VHPWR or three 8-pin supplementary power connectors

Dimensions

Board: 329.4 x 141.6 x 69.7 mm
Cooler : 3.5 slot
Bracket: 3 slot

Accessory

- Power Cable
- ARGB SYNC Cable
- VGA Holder

GAINWARD

PHANTOM



Extreme silent acoustics in heavy loading mode

GAINWARD GeForce RTX 4090 Phantom runs relatively quiet and cool from daily application to high loading, thanks to new cooling design.

Expertool II – The whole new design utility adds flexible fan curve control, RGB Lighting control and BIOS saving feature for RTX 4090 Phantom.



No more hassles. Plug the cable in, enjoy the light symphony!

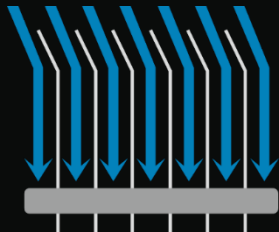
Offering great compatibility, the Auto Sync technology enables the GAINWARD graphics card to shine in unity with other ARGB-supported PC parts. Best of all, just plug in a single cable, the ARGB lighting can be synchronized at once without any software setting.



CYCLONE FAN

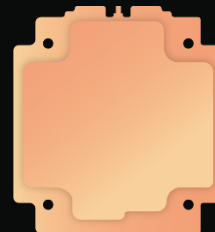
The new Cyclone Fan comes with Cyclone Fan Blades and Wing Tip design for extreme cooling performance.

The Wing Tip on fantail converges the air current, collecting maximized airflow into the cooling system. The sharp claw marks engraved on the Cyclone Fan Blades further smooth the airflow and lead the air to the heat sink steadily.



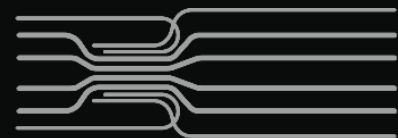
DIFFUSER FINS

The angular fins largely extend the contact surface of the air and the fins, enabling the air current to transmit in the steadiest way.



VAPOR CHAMBER

The Vapor Chamber with antioxidant capacity is designed to spread the heat more evenly across the hot spots, and transfer it to the heat pipes more effectively.



HYPER CONDUCTIVE HEAT PIPES

The nickel plated Hyper Conductive Heat Pipes are mixed with 6Ø and 8Ø different sizes to efficiently transport the heat, offering superior thermal capability.



ULTRA-DENSE PROTECTION PLATE

The Ultra-Dense Protection Plate offers extra protection to the graphics card, keeping the board in sturdy shape.



CLASSY METAL BACKPLATE

Enjoy the premium airflow performance while keeping aesthetics.

The Classy Backplate comes with precise cutouts for optimal air venting. The artistic curves and geometric pattern design bring the plate to a level of an art piece, reflecting the high-class lifestyle of its user.