PNY GEFORCE RTX™ 4070 SUPER 12GB

XLR8 Gaming VERTO™ Overclocked Edition DLSS 3

NVIDIA Ada Lovelace Streaming Multiprocessors
Up to 2x performance and power efficiency

4th Generation Tensor Cores
Up to 4x performance with DLSS 3 vs. brute-force rendering

3rd Generation RT Cores
Up to 2x ray tracing performance

SUPERCHARGED PERFORMANCE AND SPEED

NVIDIA® GeForce RTX™ 40 Series GPUs are beyond fast for gamers and creators. They're powered by the ultra-efficient NVIDIA Ada Lovelace architecture which delivers a quantum leap in both performance and AI-powered graphics. Experience lifelike virtual worlds with ray tracing and ultra-high FPS gaming with the lowest latency. Discover revolutionary new ways to create and unprecedented workflow acceleration.

Supercharge your PC with the NVIDIA® GeForce RTX™ 4070 SUPER, built with the ultra-efficient ADA Lovelace architecture and up to 12GB of superfast G6X memory. Experience fast ray tracing, AI-accelerated performance with DLSS 3, new ways to create and much more.

The new NVIDIA® Ada Lovelace architecture delivers a quantum leap in performance, efficiency, and AI-powered graphics. It has new Streaming Multiprocessors, 3rd generation Ray Tracing Cores, and 4th generation Tensor Cores. It's built on a new custom TSMC 4N process, runs with blazing fast clocks, and features a large L2 cache. It enables fast ray tracing, new ways to create, and much more. Featuring electrifying EPIC-X RGB™ lighting, for the ultimate controllable lighting experience with endless ARGB lighting possibilities

KEY FEATURES

- Powered by NVIDIA DLSS 3, ultra-efficient Ada Lovelace arch, and full ray tracing
- Dedicated Ray Tracing Cores
- Dedicated Tensor Cores
- NVIDIA DLSS 3
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast
- NVIDIA G-SYNC®
- NVIDIA GPU Boost™
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3, OpenGL 4.6
- HDCP 2.3
- DisplayPort 1.4a, up to 4K at 240Hz or 8K at 60Hz with DSC, HDR
- As specified in HDMI 2.1a: up to 4K 240Hz or 8K 60Hz with DSC, Gaming VRR, HDR
- One 16-pin to Two 8-pin Power Cable Included

SYSTEM REQUIREMENTS

- PCI Express-compliant motherboard with one dual width x16 graphics slot
- Two 8-pin supplementary power connectors
- 650 W or greater system power supply[2]
- Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit
- Internet connection[1]

PRODUCT SPECIFICATIONS

NVIDIA® CUDA Cores	7168
Clock Speed	1980 MHz
Boost Speed	2505 MHz
Memory Speed (Gbps)	21
Memory Size	12GB GDDR6X
Memory Interface	192-bit
Memory Bandwidth (Gbps)	504
TDP	220 W
NVLink	Not Supported
Outputs	DisplayPort 1.4 (x3), HDMI 2.1
Multi-Screen	4
Resolution	7680 x 4320 @120Hz (Digital)[3]
Power Input	One 16-Pin (One 16-pin to Two 8-pin)
Bus Type	PCI-Express 4.0 x16

PRODUCT INFORMATION

PNY Part Number	VCG4070S12TFXXPB1-O
UPC Code	751492786407
Card Dimensions	12.01" x 4.7" x 1.57"; Dual Slot 305.1 x 119.4 x 40mm; Dual Slot
Box Dimensions	14.96" x 7.48" x 2.56" 380 x 190 x 65mm

1 Graphics Card driver is not included in the box; GeForce Experience will download the latest GeForce driver from the Internet after install.
2 Minimum is based on a PC configured with a Ryzen 9 5900X processor. Power requirements can be different depending on system configuration.
3 Up to 4K 12-bit HDR at 240Hz with DP 1.4a + DSC or HDMI 2.1a + DSC. Up to 8K 12-bit HDR at 60Hz with DP 1.4a + DSC or HDMI 2.1a + DSC

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ver. 01-08-24