



# PNY GEFORCE RTX® 4080 12GB

## XLR8 Gaming VERTO Overclocked Edition

### NVIDIA Ada Lovelace Streaming Multiprocessors

Up to 2x performance and power efficiency

### 4th Generation Tensor Cores

Up to 2X AI performance

### 3rd Generation RT Cores

Up to 2X ray tracing performance

## COLOSSAL 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.

The NVIDIA® GeForce RTX® 4080 delivers the ultra performance and features that enthusiast gamers and creators demand. Bring your games and creative projects to life with ray tracing and AI-powered graphics. It's powered by the ultra-efficient NVIDIA Ada Lovelace architecture and up to 12GB of superfast G6X memory.

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.

### KEY FEATURES

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

### SYSTEM REQUIREMENTS

- PCI Express-compliant motherboard with one 3.3-width x16 graphics slot
- Two 8-pin supplementary power connectors
- 700 W or greater system power supply<sup>2</sup>
- Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit
- Internet connection<sup>1</sup>

## PRODUCT SPECIFICATIONS

NVIDIA® CUDA Cores	7680
Clock Speed	2310 MHz
Boost Speed	2670 MHz
Memory Speed (Gbps)	21
Memory Size	12GB GDDR6X
Memory Interface	192-bit
Memory Bandwidth (Gbps)	504
TDP	285 W
NVLink	Not Supported
Outputs	DisplayPort 1.4 (x3), HDMI 2.1
Multi-Screen	4
Resolution	7680 x 4320 @120Hz (Digital)
Power Input	One 16-Pin (One 16-pin to Two 8-pin)
Bus Type	PCI-Express 4.0 x16

## PRODUCT INFORMATION

PNY Part Number	VCG408012TFXXPB1-0
UPC Code	751492761244
Card Dimensions	13.06" x 5.39" x 2.4"; 3.3 Slot 331.8 x 136.8 x 60.9, 3.3 Slot
Box Dimensions	15.94" x 7.83" x 4.06" 405 x 199 x 103mm

- 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.