PNY GEFORCE RTX™ 4080 SUPER 16GB

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 2X AI performance

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.

The new GeForce RTX™ 4080 SUPER has been supercharged. It's the perfect time to upgrade—and get superpowers. 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 16GB 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. 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™
- 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, 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
- Support Bracket Included
- One 16-pin to Three 8-pin Power Cable Included

SYSTEM REQUIREMENTS

- PCI Express-compliant motherboard with one 3.5-width x16 graphics slot
- Three 8-pin supplementary power connectors
- 750 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	10240
Clock Speed	2295 MHz
Boost Speed	2595 MHz
Memory Speed (Gbps)	23
Memory Size	16GB GDDR6X
Memory Interface	256-bit
Memory Bandwidth (Gbps)	736
TDP	320 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 Three 8-pin)
Bus Type	PCI-Express 4.0 x16

PRODUCT INFORMATION

PNY Part Number	VCG4080S16TFXXPB1-O
UPC Code	751492786360
Card Dimensions	13.06" x 5.42" x 2.8"; 3.5 Slot 331.8 x 137.7 x 71.1mm; 3.5 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.
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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