**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 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.

**Product Specifications**

- **NVIDIA® CUDA Cores**: 9728
- **Clock Speed**: 2205 MHz
- **Boost Speed**: 2550 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)
- **Power Input**: One 16-Pin (One 16-pin to Three 8-pin)
- **Bus Type**: PCI-Express 4.0 x16

**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 supply²**
- **Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit**
- **Internet connection¹**

**Product Information**

- **PNY Part Number**: VCG408016TFXXPB1-O
- **UPC Code**: 751492761220
- **Card Dimensions**: 15.94” x 7.83” x 4.06”
- **Box Dimensions**: 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.