The GeForce RTX™ 3090 is a big ferocious GPU (BFGPU) with TITAN class performance. It’s powered by Ampere—NVIDIA’s 2nd gen RTX architecture—doubling down on ray tracing and AI performance with enhanced RT Cores, Tensor Cores, and new streaming multiprocessors. Plus, it features a staggering 24 GB of G6X memory, all to deliver the ultimate gaming experience.

The all-new NVIDIA Ampere architecture features new 2nd generation Ray Tracing Cores and 3rd generation Tensor Cores with greater throughput. The NVIDIA Ampere streaming multiprocessors are the building blocks for the world’s fastest, most efficient GPU for gamers and creators.

GeForce RTX™ 30 Series GPUs are powered by NVIDIA’s 2nd gen RTX architecture, delivering the ultimate performance, ray-traced graphics, and AI acceleration for gamers and creators.

**GRAPHICS REINVENTED**

**PRODUCT SPECIFICATIONS**

- **NVIDIA® CUDA Cores**: 10496
- **Clock Speed**: 1395 MHz
- **Boost Speed**: 1695 MHz
- **Memory Speed (Gbps)**: 19.5
- **Memory Size**: 24GB GDDR6X
- **Memory Interface**: 384-bit
- **Memory Bandwidth (Gbps)**: 936
- **TDP**: 350 W
- **NVLink® Supported**: Yes
- **Outputs**: DisplayPort 1.4 (x3), HDMI 2.1
- **Multi-Screen**: 4
- **Resolution**: 7680 x 4320 @60Hz (Digital)
- **Power Input**: Two 8-Pin
- **Bus Type**: PCI-Express 4.0 x16

**SYSTEM REQUIREMENTS**

- **PCI Express-compliant motherboard with one triple-width x16 graphics slot**
- **Two 8-pin supplementary power connectors**
- **750 W or greater system power supply**
- **Microsoft Windows 10 (November 2018 or later), Windows 7 64-bit, Linux 64-bit**
- **Internet connection**

**KEY FEATURES**

- 2nd Gen Ray Tracing Cores
- 3rd Gen Tensor Cores
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- GDDR6X Graphics Memory
- NVIDIA DLSS
- NVIDIA® GeForce Experience™
- NVIDIA G-SYNC®
- NVIDIA GPU Boost™
- NVIDIA NVLink™ (SLI-Ready)
- Game Ready Drivers
- Vulkan RT API, OpenGL 4.6
- HDCP 2.3
- VR Ready
- Supports 4k 120Hz HDR, 8K 60Hz HDR and Variable Refresh Rate as specified in HDMI 2.1

**PRODUCT INFORMATION**

- **PNY Part Number**: VCG309024TFXMPB
- **UPC Code**: 751492639536
- **Card Dimensions**: 12.48” x 4.53” x 2.36”; 3-Slot
- **Box Dimensions**: 7.48” x 14.96” x 3.54”

1. Graphics Card driver is not included in the box. GeForce Experience will download the latest GeForce driver from the Internet after install.