The GeForce RTX™ 3050 is built with the powerful graphics performance of the NVIDIA Ampere architecture. It offers dedicated 2nd gen RT Cores and 3rd gen Tensor Cores, new streaming multiprocessors, and high-speed G6 memory to tackle the latest games. Step up to GeForce RTX.

The all-new NVIDIA Ampere architecture features new 2nd generation Ray Tracing Cores and 3rd generation Tensor Cores with greater throughput.

The PNY XLR8 Gaming GeForce RTX 3050 REVEL comes equipped with EPIC-X RGB™ lighting to level up your graphics card and illuminate your system.

**GRAPHICS REINVENTED**

**NVIDIA Ampere Streaming Multiprocessors**

The all-new Ampere SM brings 2X the FP32 throughput and improved power efficiency.

**2nd Generation RT Cores**

Experience 2X the throughput of 1st gen RT Cores, plus concurrent RT and shading for a whole new level of ray tracing performance.

**3rd Generation Tensor Cores**

Get up to 2X the throughput with structural sparsity and advanced AI algorithms such as DLSS. These cores deliver a massive boost in game performance and all-new AI capabilities.

**KEY FEATURES**

- 2nd Gen Ray Tracing Cores
- 3rd Gen Tensor Cores
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- GDDR6 Graphics Memory
- NVIDIA DLSS
- NVIDIA® GeForce Experience™
- NVIDIA G-SYNC®
- NVIDIA GPU Boost™
- Game Ready Drivers
- Vulkan RT API, OpenGL 4.6
- DisplayPort 1.4a
- 7th Gen NVIDIA Encoder
- 5th Gen NVIDIA Decoder
- HDCP 2.3
- Supports 4K 120Hz HDR, 8K 60Hz HDR and Variable Refresh Rate as specified in HDMI 2.1

**SYSTEM REQUIREMENTS**

- PCI Express-compliant motherboard with one dual-width x16 graphics slot
- One 8-pin supplementary power connectors
- 550 W or greater system power supply
- Microsoft Windows 10 64-bit (April 2018 Update or later), Windows 11 64-bit, Linux 64-bit
- Internet connection

**PRODUCT SPECIFICATIONS**

- **NVIDIA® CUDA Cores**: 2560
- **Clock Speed**: 1552 MHz
- **Boost Speed**: 1777 MHz
- **Memory Speed (Gbps)**: 14
- **Memory Size**: 8GB GDDR6
- **Memory Interface**: 128-bit
- **Memory Bandwidth (Gbps)**: 224
- **TDP**: 130 W
- **NVLink**: Not Supported
- **Outputs**: DisplayPort 1.4a (x3), HDMI 2.1
- **Multi-Screen**: 4
- **Resolution**: 7680 x 4320 @60Hz (Digital)
- **Power Input**: One 8-Pin
- **Bus Type**: PCI-Express 4.0 x16

**PRODUCT INFORMATION**

- **PNY Part Number**: VCG30508DFXPPB
- **UPC Code**: 751492660394
- **Card Dimensions**: 9.72” x 4.72” x 1.57”; Dual Slot
- **Box Dimensions**: 7.13” x 12.4” x 2.24”

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