



# PNY GEFORCE RTX™ 3050 6GB VERTO Dual Fan Edition

### 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.

## GRAPHICS REINVENTED

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.

## PRODUCT SPECIFICATIONS

NVIDIA® CUDA Cores	2304
Clock Speed	1042 MHz
Boost Speed	1470 MHz
Memory Speed (Gbps)	14
Memory Size	6GB GDDR6
Memory Interface	96-bit
Memory Bandwidth (Gbps)	168
TDP	70 W
NVLink	Not Supported
Outputs	DisplayPort 1.4a, HDMI 2.1, DVI-DL
Multi-Screen	3
Resolution	7680 x 4320 @60Hz (Digital)
Power Input	N/A
Bus Type	PCI-Express 4.0 x8

## PRODUCT INFORMATION

PNY Part Number	VCG30506DFXBPB1
UPC Code	751492786308
EAN Code	4718006456474
Card Dimensions	7.3" x 4.4" x 1.5" ; Dual Slot 186.2 x 113 x 38.5 mm ; Dual Slot
Box Dimensions	10.3" x 7.3" x 2.5" 262.6 x 186 x 65 mm

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

## 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 x8 graphics slot
- 450 W or greater system power supply
- Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit
- Internet connection<sup>1</sup>

