PNY GEFORCE RTX™ 3050 8GB

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.

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 mother-board with one dual-width x16 graphics slot
- One 8-pin supplementary power connectors
- 550 W or greater system power supply
- Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit
- Internet connection[1]

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 x8

PRODUCT INFORMATION

PNY Part Number	VCG30508DFBPB1
EAN Code	4718006453558
Card Dimensions (mm)	229 x 114 x 44 mm; Dual Slot
Box Dimensions (mm)	325 x 172 x 90 mm

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

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