



PNY GeForce RTX 3060 12GB VERTO Dual Fan

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SKU: VCG306012DFBPB1



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NVIDIA Ampere Streaming Multiprocessors

The building blocks for the world's fastest, most efficient GPU, 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. Now with support for up to 8K resolution, these cores deliver a massive boost in game performance and all-new AI capabilities.

Overview

The GeForce RTX™ 3060 lets you take on the latest games using the power of Ampere—NVIDIA's 2nd generation RTX architecture. Get incredible performance with enhanced Ray Tracing Cores and Tensor Cores, new streaming multiprocessors, and high-speed G6 memory.

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.

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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
- HDCP 2.3
- VR Ready
- Supports 4k 120Hz HDR, 8K60Hz HDR, and Variable Refresh Rate as specified in HDMI 2.1

Product Specifications

PNY Part Number	VCG306012DFBPB1
UPC Code	751492680903
CUDA Cores	3584
Clock Speed	1320 MHz
Boost Speed	1777 MHz
Memory Speed (Gbps)	15
Memory Size	12GB GDDR6
Memory Interface	192-bit
Memory Bandwidth (GB/sec)	360
TDP	170 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
Card Dimensions	9.74" x 4.66" x 1.6"; Dual Slot
Box Dimensions	12.8" x 6.77" x 3.54"

