PNY GEFORCE RTX™ 3090 Ti 24GB

XLR8 Gaming UPRISING 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 3090™ Ti is colossally powerful in every way, giving you a whole new tier of performance. It's powered by the NVIDIA Ampere architecture, which doubles down on ray tracing and AI performance with enhanced RT Cores, Tensor Cores, and new streaming multiprocessors.

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.

The 8K HDR Gaming GPU powered by AI lets you play, capture, and watch your games in brilliant 8K HDR. It features DLSS 8K gaming, GeForce Experience support for 8K HDR game capture, and AV1 decode for efficient playback of 8K HDR streamed video. Experience G6X memory, the world's fastest graphics memory on the GeForce RTX 3090 Ti.

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
- DisplayPort 1.4a
- 7th Gen NVIDIA Encoder
- 5th Gen NVIDIA Decoder
- HDCP 2.3
- VR Ready
- 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 triple-width x16 graphics slot
- Three 8-pin supplementary power connectors
- 850 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	10752
Clock Speed	1560 MHz
Boost Speed	1860 MHz
Memory Speed (Gbps)	21
Memory Size	24GB GDDR6X
Memory Interface	384-bit
Memory Bandwidth (Gbps)	1008
TDP	450 W
NVLink	Supported
Outputs	DisplayPort 1.4 (x3), HDMI 2.1
Multi-Screen	4
Resolution	7680 x 4320 @60Hz (Digital)
Power Input	Three 8-pin
Bus Type	PCI-Express 4.0 x16

PRODUCT INFORMATION

PNY Part Number	VCG3090T24TFXMPB
UPC Code	751492660943
Card Dimensions	12.59" x 5.43" x 2.28"; 3-Slot
Box Dimensions	16.14" x 8.85" x 4.33"

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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