GRAPHICS REINVENTED

The GeForce RTX™ 3070 Ti graphics card is powered by Ampere—NVIDIA’s 2nd gen RTX architecture. Built with enhanced RT Cores and Tensor Cores, new streaming multiprocessors, and superfast G6X memory, it gives you the power you need to rip through the most demanding games.

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.

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™
• Game Ready Drivers
• Vulkan RT API, OpenGL 4.6
• HDCP 2.3
• VR Ready
• Supports 4K 120Hz HDR, 8K 60Hz HDR and Variable Refresh Rate as specified in HDMI 2.1
• 7th Gen NVIDIA Encoder
• 5th Gen NVIDIA Decoder

SYSTEM REQUIREMENTS
• PCI Express-compliant motherboard with one dual-width x16 graphics slot
• Two 8-pin supplementary power connectors
• 750 W or greater system power supply
• Microsoft Windows® 11 64-bit, Windows 10 (November 2018 or later) 64-bit, Linux 64-bit
• Internet connection

PRODUCT SPECIFICATIONS

NVIDIA CUDA Cores 6144
Clock Speed 1575 MHz
Boost Speed 1770 MHz
Memory Speed (Gbps) 19
Memory Size 8GB GDDR6X
Memory Interface 256-bit
Memory Bandwidth (Gbps) 608
TDP 290 W
NVLink Not Supported
Outputs DisplayPort 1.4 (x3), HDMI 2.1
Multi-Screen 4
Resolution 7680 x 4320 @60Hz (Digital)
Power Input One 12-Pin
Bus Type PCI-Express 4.0 x16

PRODUCT INFORMATION

PNY Part Number VCG3070T8TFBPB1
UPC Code 751492680897
Card Dimensions 12.02” x 4.73” x 2.26”; 2.9-Slot
305.25 x 120.23 x 57.31mm; 2.9-Slot
Box Dimensions 15.08” x 7.48” x 3.54”
383 x 190 x 90mm

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