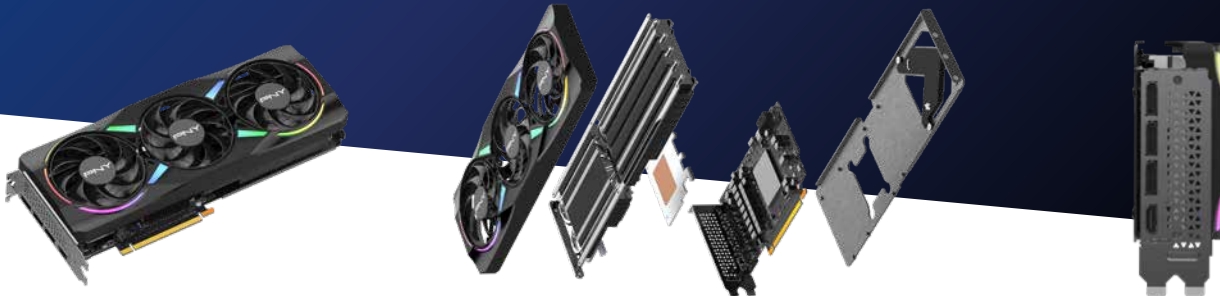# PNY GEFORCE RTX™ 5070 12GB

ARGB Triple Fan DLSS 4

VCG507012TFXXPB1

GAME CHANGER

Powered by NVIDIA® Blackwell, GeForce RTX™ 50 Series GPUs bring game-changing capabilities to gamers and creators. Equipped with a massive level of AI horsepower, the RTX 50 Series enables new experiences and next-level graphics fidelity. Multiply performance with NVIDIA® DLSS 4, generate images at unprecedented speed, and unleash your creativity with NVIDIA® Studio.

NVIDIA Blackwell Architecture

The Ultimate Platform for Gamers and Creators

5th Generation Tensor Cores

Max AI performance with FP4 and DLSS 4

4th Generation RT Cores

Built for Mega Geometry

TRIPLE FAN COOLING

With three fans working together, heat is distributed and dissipated more efficiently across the GPU surface

METAL BACKPLATE

Adds additional support to prevent the card from sagging and vents that enhance passive cooling

VELOCITYX™ SOFTWARE

Gain full control over your PNY graphics card to maximize its performance and RGB lighting

KEY FEATURES

- NVIDIA DLSS 4
- NVIDIA Reflex 2
- GDDR7 Graphics Memory
- NVIDIA® App
- PCI Express® Gen 5
- NVIDIA Broadcast

SYSTEM REQUIREMENTS

- PCI Express Gen 5 -compliant motherboard with one 2.4-width x16 graphics slot
- Two 8-pin supplementary power connectors
- 650 W or greater system power supply[2]
- Microsoft Windows® 11 64-bit, Windows 10 64-bit, Linux 64-bit
- Internet connection[1]

PRODUCT SPECIFICATIONS

NVIDIA® CUDA Cores	6144
Clock Speed	2325 MHz
Boost Speed	2512 MHz
Memory Size	12GB GDDR7
Memory Interface	192-bit
Memory Bandwidth (Gbps)	672
TDP	250 W
NVLink	Not Supported
Outputs	DisplayPort 2.1b with UHBR20 (x3), HDMI 2.1b
Multi-Screen	4
Resolution	4K at 480Hz or 8K at 120Hz with DSC
Power Input	One 16-Pin (One 16-pin to Two 8-pin)
Bus Type	PCI-Express 5.0 x16

PRODUCT INFORMATION

PNY Part Number	VCG507012TFXXPB1
UPC Code	751492794457
Card Dimensions	11.80" x 4.73" x1.9"; 2.4 Slot 299.5 x 120.0 x 48.0mm; 2.4 Slot
Box Dimensions	15.04" x 7.64" x 2.84" 382 x 194 x 72mm

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

2 Minimum is based on a PC configured with a Ryzen 9 5900X processor. Power requirements can be different depending on system configuration.

February 2025 09:53 AM