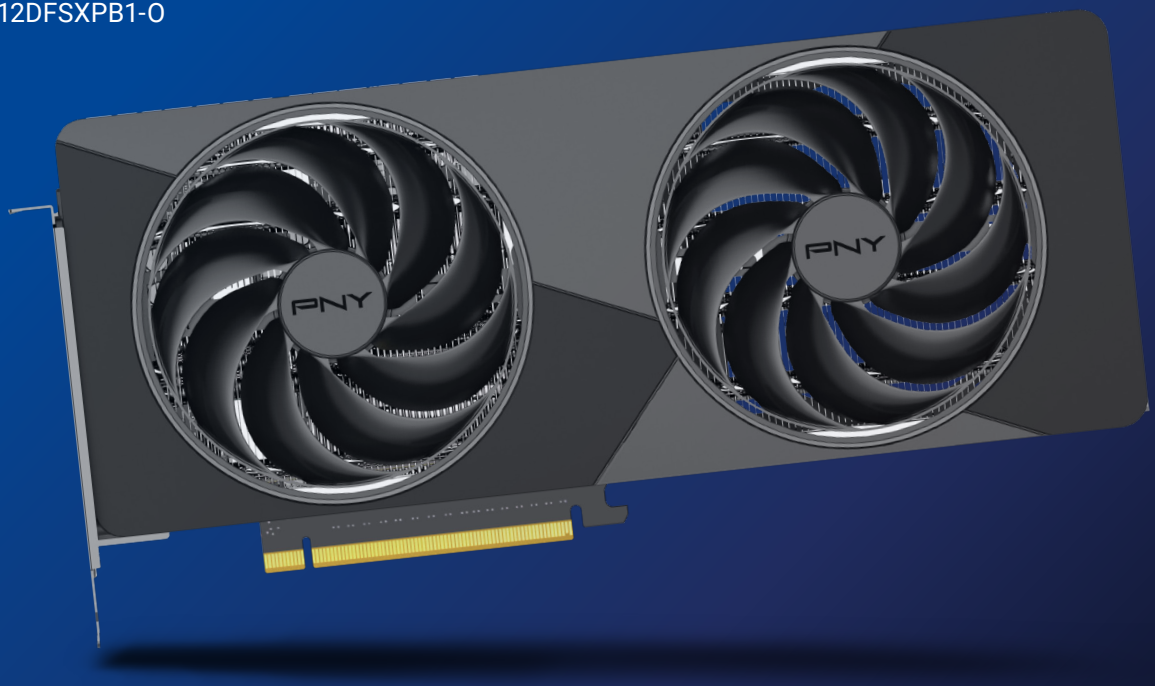
PNY GEFORCE RTX™ 5070 SLIM 12GB

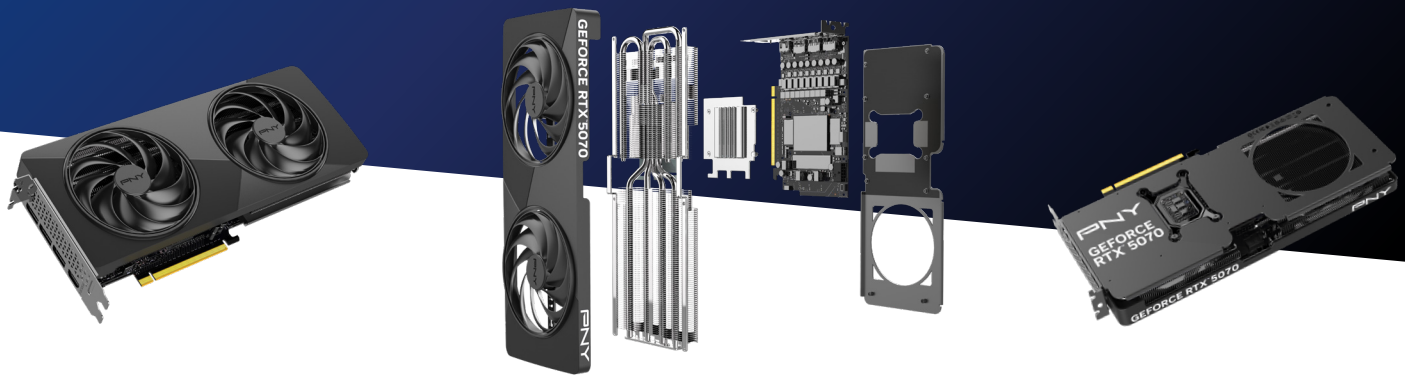
Overclocked Dual Fan DLSS4

VCG507012DFSXPB1-O



GAME CHANGER

A powerful, slim design packed with masterfully crafted cooling. The PNY GeForce RTX™ 5070 is available in a dual-slot Small-Form-Factor Ready form factor for greater compatibility with PC builds. Get game-changing performance powered by NVIDIA® Blackwell. Game at high frame rates with DLSS 4, supercharge your creativity with NVIDIA Studio, and enable new experiences with the power of AI; all in a compact design to fit tight spaces.



NVIDIA Blackwell Architecture

The Ultimate Platform for Gamers and Creators

Fifth-Gen Tensor Cores

Max AI performance with FP4 and DLSS 4

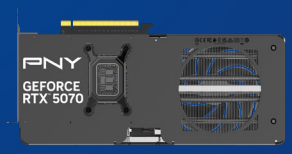
Fourth-Gen Ray Tracing Cores

Built for Mega Geometry



POWERFUL, SLIM DESIGN

Remarkable performance in a dual-slot, Small-Form-Factor Ready design gives greater compatibility with PC builds.



MASTERFULLY CRAFTED COOLING

Refined thermal design with large 100mm dual-fans, a copper heatsink, and aluminum backplate bring superior cooling and acoustics.



TRUSTED DESIGN

Fully based on NVIDIA Reference Design. Firmware and vBIOS sourced directly from NVIDIA.

KEY FEATURES

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

SYSTEM REQUIREMENTS

- PCI Express-compliant motherboard with one 2-width x16 graphics slot
- One 16-pin supplementary power connectors
- 650 W or greater system power supply[2]
- Microsoft Windows® 11 64-bit, Linux 64-bit
- Internet connection[1]

PRODUCT SPECIFICATIONS

NVIDIA® CUDA Cores	6144
Clock Speed (MHz)	2325
Boost Speed (MHz)	2587
Memory Speed (Gbps)	28
Memory Size	12GB GDDR7
Memory Interface	192-bit
Memory Bandwidth (GB/s)	672
TDP	250W
Outputs	DisplayPort 2.1b with UHBR20 (x3), HDMI 2.1b
Multi-Screen	4
Resolution	4K 480Hz or 8K 165Hz with DSC
Power Input	1x16 (1x16 to 2x8 adapter included)
Bus Type	PCI-Express 5.0 x16

PRODUCT INFORMATION

PNY Part Number	VCG507012DFSXPB1-O
UPC Code	751492812151
Card Dimensions	11.4” x 5.0” x 1.6”; 2 Slot 290 x 128 x 40mm; 2 Slot
Box Dimensions	15.04” x 7.64” x 2.83” 382 x 194 x 72mm

1 Graphics Card driver is not included in the box; NVIDIA App 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.

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