



SPECIFICATIONS

Marketing Name	GeForce RTX™ 5070 12G SHADOW 3X OC
Model Name	G5070-12S3C
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5070
Cores	6144 Units
Memory	12GB GDDR7
Power connectors	16-pin x 1 (ATX 3.1 PSU recommended)
Bus Standard	PCI Express® Gen 5
Memory Interface	192-bit
Core Clocks	Extreme Performance: 2557 MHz (MSI Center) Boost: 2542 MHz
Memory Speed	28 Gbps
Maximum Displays	4
Digital Maximum Resolution	7680 x 4320
Output	DisplayPort x 3 (v2.1b) HDMI™ x 1 (As specified in HDMI™ 2.1b: up to 4K 480Hz or 8K 120Hz with DSC, Gaming VRR, HDR)
HDCP Support	Y
Power consumption (W)	250 W
Recommended Power Supply (W)	650 W
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Card Dimension(mm)	303 x 121 x 49 mm
Weight	982 g / 1406 g

CONNECTIONS



1. DisplayPort
2. HDMI™

FEATURES

Triple Fan



Three fans and a huge heatsink ensure a cool and quiet experience for you.

TORX FAN 5.0



Fan blades linked by ring arcs and a fan cowl work together to stabilize and maintain high-pressure airflow.

Nickel-plated Copper Baseplate



Heat from the GPU and memory is swiftly captured by a nickel-plated copper baseplate and transferred.

Core Pipes



Core Pipes feature a square design to maximize contact with the GPU baseplate for optimal thermal management.

Reinforcing Backplate



The reinforcing backplate features a flow-through design that provides additional ventilation.

Zero Frozr



The fans completely stop when temperatures are relatively low, eliminating all noise.

Fuse



Additional fuses built into the custom PCB provide additional safeguards against electrical damage.

DrMOS



DrMOS power stage solutions provide great efficiency with low power loss and enhanced voltage controls.

MSI Center



The exclusive MSI Center software lets you monitor, tweak and optimize MSI products in real-time.

Afterburner



Take full control with the most recognized and widely used graphics card overclocking software in the world.