



SPECIFICATIONS

Marketing Name	GeForce RTX™ 5070 12G SHADOW 2X
Model Name	G5070-12S2
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5070
Interface	PCI Express® Gen 5
Core Clocks	Extreme Performance: 2527 MHz (MSI Center) Boost: 2512 MHz
CUDA® CORES	6144 Units
Memory Speed	28 Gbps
Memory	12GB GDDR7
Memory Bus	192-bit
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	250 W
Power connectors	16-pin x 1
Recommended PSU	650 W
Card Dimension (mm)	231 x 126 x 50 mm
Weight (Card / Package)	724 g / 1107 g
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Maximum Displays	4
G-SYNC® technology	Y
Digital Maximum Resolution	7680 x 4320

CONNECTIONS



1. DisplayPort
2. HDMI™

FEATURES

- Dual Fan**
Two 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.
- DrMOS**
DrMOS power stage solutions provide great efficiency with low power loss and enhanced voltage controls.
- Fuse**
Additional fuses built into the custom PCB provide additional safeguards against electrical damage.
- 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.