



## SPECIFICATIONS

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Marketing Name             | GeForce RTX™ 5070 12G SHADOW 3X OC                                                                                      |
| Model Name                 | G5070-12S3C                                                                                                             |
| Graphics Processing Unit   | NVIDIA® GeForce RTX™ 5070                                                                                               |
| Interface                  | PCI Express® Gen 5                                                                                                      |
| Core Clocks                | Extreme Performance: 2557 MHz (MSI Center)<br>Boost: 2542 MHz                                                           |
| CUDA® CORES                | 6144 Units                                                                                                              |
| Memory Speed               | 28 Gbps                                                                                                                 |
| Memory                     | 12GB GDDR7                                                                                                              |
| Memory Bus                 | 192-bit                                                                                                                 |
| Output                     | DisplayPort x 3 (v2.1b)<br>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 (ATX 3.1 PSU recommended)                                                                                    |
| Recommended PSU            | 650 W                                                                                                                   |
| Card Dimension (mm)        | 303 x 121 x 49 mm                                                                                                       |
| Weight (Card / Package)    | 982 g / 1406 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



### 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.



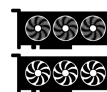
### Core Pipes

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.



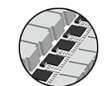
### Zero Frozr

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.