



SPECIFICATIONS

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| Marketing Name | GeForce RTX™ 5070 12G SHADOW 2X OC |
| Model Name | G5070-12S2C |
| Graphics Processing Unit | NVIDIA® GeForce RTX™ 5070 |
| Interface | PCI Express® Gen 5 |
| Core Clocks | Extreme Performance: 2557 MHz (MSI Center) Boost: 2542 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 (ATX 3.1 PSU recommended) |
| 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.
- 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.