



## SPECIFICATIONS

|                            |                                                                                                                         |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Marketing Name             | GeForce RTX™ 5070 12G GAMING TRIO OC                                                                                    |
| Model Name                 | G5070-12GTC                                                                                                             |
| Graphics Processing Unit   | NVIDIA® GeForce RTX™ 5070                                                                                               |
| Interface                  | PCI Express® Gen 5                                                                                                      |
| Core Clocks                | Extreme Performance: 2625 MHz (MSI Center)<br>Boost: 2610 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                                                                                                              |
| Recommended PSU            | 650 W                                                                                                                   |
| Card Dimension (mm)        | 338 x 140 x 50 mm                                                                                                       |
| Weight (Card / Package)    | 1187 g / 1705 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



### TRI FROZR 4

Upgraded fans, airflow control, and thermal design deliver superior cooling and quieter operation.



### STORMFORCE FAN

Seven fan blades, claw texturing, and a circular arc are designed for optimal airflow with minimal noise.



### Nickel-plated Copper Baseplate

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



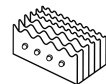
### Core Pipes

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



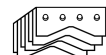
### Metal Backplate

A reinforcing metal backplate with airflow vents and thermal pads enhances cooling.



### Wave Curved 4.0

Precision-engineered wave edges with a high-low fin design enhance airflow and reduce turbulence.



### Air Antegrade Fin 2.0

The fins feature a V-shaped cutout and a high-low design at the airflow passthrough to optimize flow efficiency.



### 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.