

## SPECIFICATIONS

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Model Name                 | GeForce RTX™ 4090 VENTUS 3X 24G OC                                                                                              |
| Graphics Processing Unit   | NVIDIA® GeForce RTX™ 4090                                                                                                       |
| Interface                  | PCI Express® Gen 4                                                                                                              |
| Core Clocks                | Extreme Performance: 2565 MHz (MSI Center)<br>Boost: 2550 MHz                                                                   |
| CUDA® CORES                | 16384 Units                                                                                                                     |
| Memory Speed               | 21 Gbps                                                                                                                         |
| Memory                     | 24GB GDDR6X                                                                                                                     |
| Memory Bus                 | 384-bit                                                                                                                         |
| Output                     | DisplayPort x 3 (v1.4a)<br>HDMI™ x 1 (Supports 4K@120Hz HDR, 8K@60Hz HDR, and Variable Refresh Rate as specified in HDMI™ 2.1a) |
| HDCP Support               | Y                                                                                                                               |
| Power consumption          | 450W                                                                                                                            |
| Power connectors           | 16pin x 1                                                                                                                       |
| Recommended PSU            | 850W                                                                                                                            |
| Card Dimension (mm)        | 322 x 136 x 62mm                                                                                                                |
| Weight (Card / Package)    | 1675g / 2306g                                                                                                                   |
| DirectX Version Support    | 12 Ultimate                                                                                                                     |
| OpenGL Version Support     | 4.6                                                                                                                             |
| NVLink Support             | N/A                                                                                                                             |
| Maximum Displays           | 4                                                                                                                               |
| G-SYNC® technology         | Y                                                                                                                               |
| Digital Maximum Resolution | 7680 x 4320                                                                                                                     |

## FEATURES



### Triple Fan

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



### TORX FAN 4.0

A masterpiece of teamwork, fan blades work in pairs to create unprecedented levels of focused air pressure.



### Core Pipe

Precision-machined heat pipes ensure max contact and spread heat along the full length of the heatsink.



### Airflow Control

Don't sweat it, Airflow Control guides the air to exactly where it needs to be for maximum cooling.



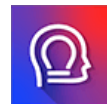
### Metal Backplate

Thermal pads under the sturdy metal backplate provide additional cooling while the flow-through ventilation reduces trapped heat.



### Copper Baseplate

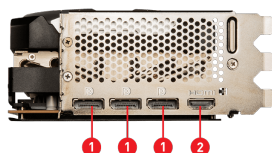
A solid nickel-plated copper baseplate transfers heat from the GPU to all heat pipes for better cooling.



### MSI Center

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

## CONNECTIONS



1. DisplayPort
2. HDMI™