



SPECIFICATIONS

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|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Model Name | GeForce RTX™ 4090 VENTUS 3X E 24G OC |
| Graphics Processing Unit | NVIDIA® GeForce RTX™ 4090 |
| Interface | PCI Express® Gen 4 |
| Core Clocks | Extreme Performance: 2565 MHz (MSI Center) Boost: 2550 MHz |
| CUDA® CORES | 16384 Units |
| Memory Speed | 21 Gbps |
| Memory | 24GB GDDR6X |
| Memory Bus | 384-bit |
| Output | DisplayPort x 2 (v1.4a) HDMI™ x 2 (Supports 4K@120Hz HDR, 8K@60Hz HDR, and Variable Refresh Rate as specified in HDMI™ 2.1a) |
| HDCP Support | Y |
| Power consumption | 450 W |
| Power connectors | 16-pin x 1 |
| Recommended PSU | 850 W |
| Card Dimension (mm) | 322 x 136 x 62 mm |
| Weight (Card / Package) | 1675 g / 2308 g |
| 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 |

CONNECTIONS



1. DisplayPort
2. HDMI™

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.



Copper Baseplate

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



Core Pipe

Precision-machined heat pipes ensure max contact to the GPU 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.



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.