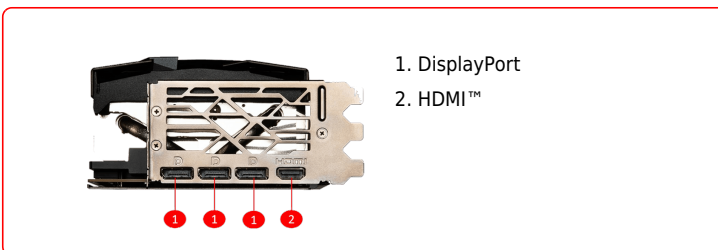




SPECIFICATIONS

Memory	24GB GDDR6X
Graphics Engine	NVIDIA® GeForce RTX™ 4090
Bus Standard	PCI Express® Gen 4
Memory Interface	384-bit
Core Clock Speed(MHz)	Extreme Performance: 2640 MHz (MSI Center) Boost: 2625 MHz (GAMING & SILENT Mode)
Memory Clock Speed(MHz)	21 Gbps
Maximum Displays	4
G-SYNC™ technology	Y
Output	DisplayPort x 3 (v1.4a) 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 (W)	Silent mode: 450W Gaming mode: 480W
Recommended Power Supply (W)	1000W (Min. 850W)
Digital Maximum Resolution	7680 x 4320
Power Connectors	16-pin x 1
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Card Dimension(mm)	336 x 142 x 78 mm
Weight	2413g / 3636g

CONNECTIONS



FEATURES

- TRI FROZR 3S**
 Push performance with the latest MSI cooling design and elevate sophistication with a prestigious appearance.
- TORX FAN 5.0**
 Fan blades linked by ring arcs and a fan cowl work together to stabilize and maintain high-pressure airflow.
- Vapor Chamber**
 The GPU and memory modules are covered with a Vapor Chamber which rapidly transfers heat to Core Pipes.
- Core Pipe**
 Precision-machined heat pipes ensure max contact to the GPU and spread heat along the full length of the heatsink.
- Airflow Control**
 Sections of different heatsink fins disrupt unwanted airflow harmonics and reduce noise.
- Zero Frozr**
 Zero Frozr is the calm before the storm, keeping fans still and maintaining silence until cooling is needed.
- Aluminum Backplate**
 Thermal pads beneath the sturdy metal backplate provide additional cooling.
- Wave Curved 3.0**
 Additional efficiency is gained by adjusting the size of the wave edges under the fan motor and other spots where there is less airflow.