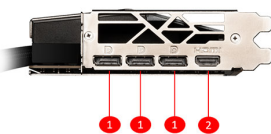


## SPECIFICATIONS

<b>Graphics Processing Unit</b>	NVIDIA® GeForce RTX™ 4090
<b>Cores</b>	16384 Units
<b>Memory</b>	24GB GDDR6X
<b>Power connectors</b>	16-pin x 1
<b>Memory Interface</b>	384-bit
<b>Core Clocks</b>	Extreme Performance: 2640 MHz (MSI Center) Boost: 2625 MHz (GAMING & SILENT Mode)
<b>Memory Speed</b>	21 Gbps
<b>Maximum Displays</b>	4
<b>Digital Maximum Resolution</b>	7680x4320
<b>Output</b>	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)
<b>Power consumption (W)</b>	Silent mode: 450W Gaming mode: 480W
<b>Recommended Power Supply (W)</b>	1000W (Min. 850W)
<b>DirectX Version Support</b>	12 Ultimate
<b>Card Dimension(mm)</b>	Card: 280 x 140 x 43 mm radiator + fan: 274 x 121 x 55 mm Tube length: L470 ± 10 x D11.2 mm
<b>Weight</b>	2353 g / 3837 g

## CONNECTIONS



1. DisplayPort
2. HDMI™

## FEATURES



### MSI Center

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



### Dual BIOS

Dual BIOS lets you set the priority to full performance in GAMING mode or low noise in SILENT mode.



### TORX FAN 5.0

Fan blades linked by ring arcs and a fan cowl work together to stabilize and maintain high-pressure airflow.



### Micro-Fin Copper Base

A copper base with fine micro-fins immersed in the liquid stream effectively transfers heat away from the VRAM and GPU.



### Aluminum Heat Radiator

Easy to install 240mm black aluminum radiator to reduce fan demand and dissipate heat efficiently.



### Quick And Easy Installation

Upgrade to the power of liquid-cooled graphics in one minute or less.



### Zero Frozr

Zero Frozr is the calm before the storm, keeping fans still and maintaining silence until cooling is needed.