



SPECIFICATIONS

Graphics Processing Unit	NVIDIA® GeForce RTX® 4090
Interface	PCI Express® Gen 4
Memory Speed	21 Gbps
Cores	16384 Units
Core Clocks	TBD
Memory	24GB GDDR6X
Memory Bus	384-bit
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	TBD
Power Connectors	16-pin x 1
Recommended PSU (W)	850 W
Card Dimension(mm)	337 x 140 x 77 mm
OpenGL Version Support	4.6
Weight (Card / Package)	2170 g / 3093 g
DirectX Version Support	12 Ultimate
Maximum Displays	4
G-SYNC™ technology	Y
Digital Maximum Resolution	7680x4320
Mic-in/Headphone-out	1/1

CONNECTIONS



1. Display Port
2. HDMI

FEATURES

TRI FROZR 3



Stay cool and quiet. MSI's TRI FROZR 3 thermal design enhances heat dissipation all around the graphics card.

TORX FAN 5.0



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

Copper Baseplate



Heat from the GPU and memory modules is captured by a copper baseplate and then rapidly transferred to Core Pipes.

Core Pipe



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

Airflow Control



Wave-curved 3.0 fin edges disrupt unwanted airflow harmonics resulting in reduced noise.

Anti Bending



A die-cast anti-bending plate reinforces the card while thermal pads allow cooling to reach critical component underneath.

Aluminum Backplate



Thermal pads beneath the sturdy metal backplate provide additional cooling.

Dual BIOS



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