



SPECIFICATIONS

Model Name	GeForce RTX® 4090 GAMING X TRIO 24G
Graphics Processing Unit	NVIDIA® GeForce RTX® 4090
Interface	PCI Express® Gen 4
Cores	16384 Units
Core Clocks	TBD
Memory Speed	21 Gbps
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 x1
Recommended PSU	TBD
Card Dimension (mm)	337 x 140 x 77 mm
Weight (Card / Package)	2170 g / 3093 g
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Maximum Displays	4
G-SYNC® technology	Y
Digital Maximum Resolution	7680 x 4320

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 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.



Metal Backplate

Thermal pads beneath the sturdy metal backplate provide additional cooling.



Anti Bending

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



Dual BIOS

Dual BIOS gives you the choice to prioritize full performance in GAMING mode or low noise in SILENT mode.

CONNECTIONS



1. DisplayPort
2. HDMI