



SPECIFICATIONS

Marketing Name	GeForce RTX™ 5090 32G GAMING TRIO OC
Model Name	G5090-32GTC
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5090
Cores	21760 Units
Memory	32GB GDDR7
Power connectors	16-pin x 1 (ATX 3.1 PSU recommended)
Bus Standard	PCI Express® Gen 5
Memory Interface	512-bit
Core Clocks	Extreme Performance: 2497 MHz (MSI Center) Boost: 2482 MHz (GAMING & SILENT Mode)
Memory Speed	28 Gbps
Maximum Displays	4
Digital Maximum Resolution	7680 x 4320
Output	DisplayPort x 3 (v2.1b) HDMI™ x 1 (As specified in HDMI™ 2.1b: up to 4K 480Hz or 8K 120Hz with DSC, Gaming VRR, HDR)
HDCP Support	Y
Power consumption (W)	575 W
Recommended Power Supply (W)	1000 W
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Card Dimension(mm)	359 x 149 x 70 mm
Weight	2119 g / 2735 g

CONNECTIONS



1. DisplayPort
2. HDMI™

FEATURES

TRI FROZR 4



Upgraded fans, airflow control, and thermal design deliver superior cooling and quieter operation.

STORMFORCE FAN



Seven fan blades, claw texturing, and a circular arc are designed for optimal airflow with minimal noise.

Nickel-plated Copper Baseplate



Heat from the GPU and memory is swiftly captured by a nickel-plated copper baseplate and transferred.

Core Pipes



Core Pipes feature a square design to maximize contact with the GPU baseplate for optimal thermal management.

Wave Curved 4.0



Precision-engineered wave edges with a high-low fin design enhance airflow and reduce turbulence.

Air Antegrade Fin 2.0



The fins feature a V-shaped cutout and a high-low design at the airflow passthrough to optimize flow efficiency.

Metal Backplate



A reinforcing metal backplate with airflow vents and thermal pads enhances cooling.

Dual BIOS



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

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.