



## SPECIFICATIONS

<b>Marketing Name</b>	GeForce RTX™ 5090 32G SUPRIM SOC
<b>Model Name</b>	G5090-32SPS
<b>Graphics Processing Unit</b>	NVIDIA® GeForce RTX™ 5090
<b>Interface</b>	PCI Express® Gen 5 x16
<b>Core Clocks</b>	Gaming Mode: Extreme Performance: 2580 MHz (MSI Center) Boost: 2565 MHz
<b>Core Clocks</b>	Silent Mode: Extreme Performance: 2527 MHz (MSI Center) Boost: 2512 MHz
<b>CUDA® CORES</b>	21760 Units
<b>Memory Speed</b>	28 Gbps
<b>Memory</b>	32GB GDDR7
<b>Memory Bus</b>	512-bit
<b>Output</b>	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)
<b>HDCP Support</b>	Y
<b>Power consumption</b>	Gaming mode: 600 W Silent mode: 575 W
<b>Power connectors</b>	16-pin x 1
<b>Recommended PSU</b>	1000 W
<b>Card Dimension (mm)</b>	359 x 150 x 76 mm
<b>Weight (Card / Package)</b>	2840 g / 3695 g
<b>DirectX Version Support</b>	12 Ultimate
<b>OpenGL Version Support</b>	4.6
<b>Maximum Displays</b>	4
<b>G-SYNC® technology</b>	Y
<b>Digital Maximum Resolution</b>	7680 x 4320

## FEATURES



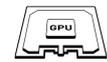
### HYPER FROZR THERMAL DESIGN

An apex evolution of advanced thermal design that delivers unparalleled cooling and quiet operation.



### STORMFORCE FAN

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



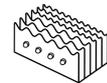
### Advanced Vapor Chamber

Built-in Vapor Chamber swiftly transfers heat from the GPU and VRAM to the core pipe for optimal dissipation.



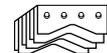
### Optimized Heat Distribution - Core Pipe

Square-shaped Core Pipes maximize heat dissipation with the Vapor Chamber for superior cooling.



### 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

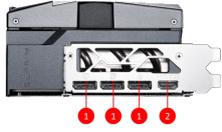
A reinforcing metal backplate with airflow vents and thermal pads enhances cooling.



### MSI Center

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

## CONNECTIONS



1. DisplayPort
2. HDMI™