



## SPECIFICATIONS

<b>Marketing Name</b>	GeForce RTX™ 5090 32G VENTUS 3X
<b>Model Name</b>	G5090-32V3
<b>Graphics Processing Unit</b>	NVIDIA® GeForce RTX™ 5090
<b>Interface</b>	PCI Express® Gen 5
<b>Cores</b>	21760 Units
<b>Core Clocks</b>	Extreme Performance: 2422 MHz (MSI Center) Boost: 2407 MHz
<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>	575 W
<b>Power connectors</b>	16-pin x 1
<b>Recommended PSU</b>	1000 W
<b>Card Dimension (mm)</b>	325 x 139 x 67 mm
<b>Weight (Card / Package)</b>	1875 g / TBD
<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

## CONNECTIONS



1. DisplayPort
2. HDMI™

## FEATURES



### Triple Fan

Three fans and a huge heatsink ensure a cool and quiet experience for you.



### TORX FAN 5.0

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



### Nickel-plated Copper Baseplate

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



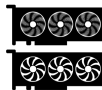
### Core Pipes

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



### Metal Backplate

A sturdy metal backplate strengthens the graphics card while the airflow vent design reduces excess heat.



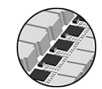
### Zero Frozr

The fans completely stop when temperatures are relatively low, eliminating all noise.



### Fuse

Additional fuses built into the custom PCB provide additional safeguards against electrical damage.



### DrMOS

DrMOS power stage solutions provide great efficiency with low power loss and enhanced voltage controls.



### 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.