



SPECIFICATIONS

Marketing Name	GeForce RTX™ 5090 32G VENTUS 3X OC
Memory	32GB GDDR7
Graphics Engine	NVIDIA® GeForce RTX™ 5090
Bus Standard	PCI Express® Gen 5
Memory Interface	512-bit
Core Clock Speed(MHz)	Extreme Performance: 2452 MHz (MSI Center) Boost: 2437 MHz
Memory Clock Speed(MHz)	28 Gbps
Maximum Displays	4
G-SYNC™ technology	Y
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
Digital Maximum Resolution	7680 x 4320
Power Connectors	16-pin x 1 (ATX 3.1 PSU recommended)
DirectX Version Support	12 Ultimate
OpenGL Version Support	4.6
Card Dimension(mm)	325 x 139 x 67 mm
Weight	1875 g / 2489 g

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.



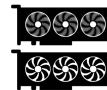
Core Pipes

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

Zero Frozr is the calm before the storm, keeping fans still and maintaining silence until cooling is needed.



DrMOS

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



Fuse

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



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.