



## SPECIFICATIONS

|                                    |   |
|------------------------------------|---|
| <b>Marketing Name</b>              | GeForce RTX™ 5090 32G VENTUS 3X   |
| <b>Memory</b>                      | 32GB GDDR7  |
| <b>Vi xử lý đồ họa</b>             | NVIDIA® GeForce RTX™ 5090   |
| <b>Chuẩn giao tiếp</b>             | PCI Express® Gen 5  |
| <b>Bus bộ nhớ</b>                  | 512-bit   |
| <b>Xung nhịp nhân đồ họa(MHz)</b>  | Extreme Performance: 2422 MHz (MSI Center)<br>Boost: 2407 MHz   |
| <b>Xung nhịp bộ nhớ (MHz)</b>      | 28 Gbps   |
| <b>Hỗ trợ màn hình tối đa</b>      | 4   |
| <b>G-SYNC™ technology</b>          | Y   |
| <b>Output</b>                      | DisplayPort x 3 (v2.1b)<br>HDMI™ x 1 (As specified in HDMI™ 2.1b: up to 4K 480Hz or 8K 120Hz with DSC, Gaming VRR, HDR) |
| <b>Hỗ trợ HDCP</b>                 | Y   |
| <b>Công suất tiêu thụ (W)</b>      | 575 W   |
| <b>Công suất nguồn đề nghị (W)</b> | 1000 W  |
| <b>Digital Maximum Resolution</b>  | 7680 x 4320   |
| <b>Nguồn phụ</b>                   | 16-pin x 1 (ATX 3.1 PSU recommended)  |
| <b>Hỗ trợ phiên bản DirectX</b>    | 12 Ultimate   |
| <b>Hỗ trợ phiên bản OpenGL</b>     | 4.6   |
| <b>Kích thước (mm)</b>             | 325 x 139 x 67 mm   |
| <b>Cân nặng</b>                    | 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.



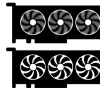
### Core Pipes

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



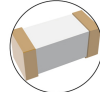
### Metal Backplate

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



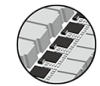
### Zero Frozr

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



### 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.