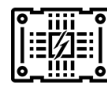




## SPECIFICATIONS

<b>Marketing Name</b>	GeForce RTX™ 5090 32G LIGHTNING Z
<b>Memory</b>	32GB GDDR7
<b>Vi xử lý đồ họa</b>	NVIDIA® GeForce RTX™ 5090
<b>Chuẩn giao tiếp</b>	PCI Express® Gen 5x 16
<b>Bus bộ nhớ</b>	512bit
<b>Xung nhịp nhân đồ họa(MHz)</b>	Extreme Performance: 2775 MHz (MSI Center) Boost: 2730 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>	USB Type-C x 1 (Dedicated for Lightning display panel only), DisplayPort x 3 (2.1b), 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>	OC:800 W Extreme:1000W
<b>Công suất nguồn đề nghị (W)</b>	1600W
<b>Digital Maximum Resolution</b>	7680 x 4320
<b>Nguồn phụ</b>	16-pin x 2 (1-to-3 dongle not supported.)
<b>Hỗ trợ phiên bản DirectX</b>	12 Ultimate
<b>Hỗ trợ phiên bản OpenGL</b>	4.6
<b>Kích thước (mm)</b>	Card: 260 x 151 x 61 mm Radiator: 394 x 120 x 56 mm
<b>Cân nặng</b>	TBD g / TBD g

## FEATURES



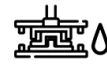
### CUSTOM PCB FOR EXTREME OVERCLOCKING

Engineered for extreme 3oz copper layer and premium components to deliver exceptional stability, and sustained peak performance.



### FORGED IN CARBON FIBER — REINFORCED. LIGHT. BEAUTIFUL.

Rigid carbon fiber and Lightning Pattern detailing deliver technical elegance.



### FULL-COVER COLDPLATE FOR MAXIMUM COOLING

Precision-engineered waterways cover the GPU, VRAM, and MOSFETs, ensuring uncompromised thermal performance.



### HYBRID-FIN RADIATOR FOR OPTIMIZED AIRFLOW

A uniquely engineered fin structure alternates between dense and sparse sections, creating distinct hot and cold zones that enhance heat exchange.



### NEXT-GENERATION ADVANCED PUMP

Delivers higher pressure and precision-optimized coolant flow for thermal efficiency and sustained peak performance.



### WORLD'S FIRST GRAPHICS CARD WITH A FULL 8-INCH DISPLAY

Introducing the world's first graphics card with a fully integrated 8-inch screen, blending aesthetics and function.



### LIGHTNING FAN - MASTERING AERODYNAMIC POWER

Designed for the Lightning series, the fan's aerodynamic blades optimize airflow and pressure to ensure maximum cooling.



### LIGHTNING HUB & OVERDRIVE APP - TOTAL CONTROL, ANYWHERE

Exclusive to the Lightning series, this web-based hub and mobile app deliver seamless GPU, display, and lighting control.

## CONNECTIONS



1. DisplayPort
2. HDMI™
3. Type-C (For Lightning display panel only)