

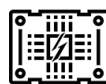


SPECIFICATIONS

Marketing Name	GeForce RTX™ 5090 32G LIGHTNING Z
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5090
Núcleos	21760 Units
Memória	32GB GDDR7
Recommended PSU	1600W
Barramento Padrão	PCI Express® Gen 5x 16
Interface de Memória	512bit
Velocidade Clock Central (MHz)	Extreme Performance: 2775 MHz (MSI Center) Boost: 2730 MHz
Velocid. Clock Memória (MHz)	28 Gbps
Máximo de Monitores	4
Tecnologia G-SYNC™	Y
Saídas	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)
Suporte HDCP	Y
Consumo de energia (W)	OC:800 W EXtreme:1000W
Resolução máx. Digital	7680 x 4320
Conectores de energia	16-pin x 2 (1-to-3 dongle not supported.)
Suporte Versão DirectX	12 Ultimate
Suporte Versão OpenGL	4.6
Dimensões(mm)	Card: 260 x 151 x 61 mm Radiator: 394 x 120 x 56 mm
Peso	TBD g / TBD g

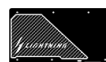
CONNECTIONS

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.



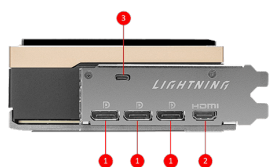
LIGHTNING FAN - MASTERING AERODYNAMIC POWER

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.



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