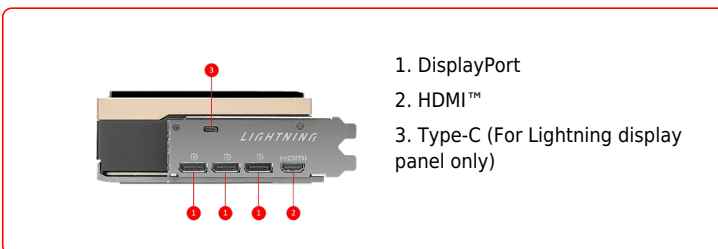




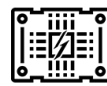
SPECIFICATIONS

Marketing Name	GeForce RTX™ 5090 32G LIGHTNING Z
Model Name	G5090-32LZ
Cores	21760 Units
Memory	32GB GDDR7
Graphics Processing Unit	NVIDIA® GeForce RTX™ 5090
G-SYNC™ technology	Y
Interface	PCI Express® Gen 5x 16
Digital Maximum Resolution	7680 x 4320
Memory Interface	512bit
Memory Clock Speed (MHz)	28 Gbps
Output	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)
Maximum Displays	4
HDCP Support	Y
DirectX Version Support	12 Ultimate
Card Dimension(mm)	Card: 260 x 151 x 61 mm Radiator: 394 x 120 x 56 mm
Card Weight (g)	TBD g / TBD g
Power consumption (W)	OC:800 W Extreme:1000W
Recommended PSU (W)	1600W
Power Connectors	16-pin x 2 (1-to-3 dongle not supported.)

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.