

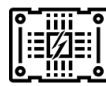


SPECIFICATIONS

| | |
|-----------------------------------|--|
| Marketing Name | GeForce RTX™ 5090 32G LIGHTNING Z |
| Model Name | G5090-32LZ |
| Graphics Processing Unit | NVIDIA® GeForce RTX™ 5090 |
| Interface | PCI Express® Gen 5x 16 |
| Cores | 21760 Units |
| Core Clocks | Extreme Performance: 2775 MHz (MSI Center) Boost: 2730 MHz |
| Memory Speed | 28 Gbps |
| Memory | 32GB GDDR7 |
| Memory Bus | 512bit |
| Recommended PSU | 1500W+ |
| Weight (Card / Package) | TBD g / TBD g |
| Maximum Displays | 4 |
| G-SYNC® technology | Y |
| Power consumption (W) | OC:800 W EXtreme:1000W |
| Digital Maximum Resolution | 7680 x 4320 |
| 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) |
| HDCP Support | Y |
| Power Connectors | 16-pin x 2 (1-to-3 dongle not supported.) |
| OpenGL Version Support | 4.6 |
| Card Dimension(mm) | Card: 260 x 151 x 61 mm Radiator: 394 x 120 x 56 mm |

CONNECTIONS

FEATURES



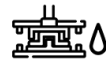
CUSTOM PCB FOR EXTREME OVERCLOCKING

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.



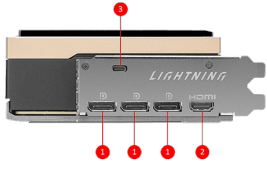
LIGHTNING FAN - MASTERING AERODYNAMIC POWER

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)