



**Gigabyte NVIDIA GeForce RTX 5090 AORUS
MASTER 32G Graphics Card, 32GB GDDR7, 21760
CUDA Cores, 2655 MHz Core Clock, Triple Fan, RGB,
3x DisplayPorts / 1x HDMI Port**

Watercooling: No

Lighting / RGB: Yes

Lighting Colour: RGB

AI Accelerator: Tensor Cores

AI Acceleration: Yes

Primary Colour: Black

Standards / Specifications:

Adaptive Sync Technology (G-SYNC / FreeSync): NVIDIA G-SYNC

Dimensions:

Length / Depth: 360mm

Width: 150mm

Height: 75mm

Features:

Virtual Reality Ready: Yes

Number of GPU Fans: 3

GPU Series: RTX 50 Series

Expansion Slots Required: 3.65 Slots

Clock Speeds

Max. GPU Clock (Base) 2017 MHz

Max. GPU Clock (Boost) 2407 MHz

Max. Memory Clock: 28000 MHz

External Ports

Display Connectors: HDMI (1x), Display Port (3x)

Display Connector Standards: HDMI 2.1, DisplayPort 2.1

Internal Ports

Required Power Connectors: 16-Pin PCIe 5.0 - 12v-2x6 (1x)

GPU Model: NVIDIA GeForce RTX 5090

Graphics Chip: GB202-300

Manufacturing Process: 5 nm

Shader Units: 21760

Tensor Cores: 680

Raytracing Cores / Ray Accelerators: 170

GPU Memory Type: GDDR7

Slot Type Standard: PCIe 5.0

GPU Memory Size (GB): 32

GPU Memory Interface (bit): 512

GPU Memory Bandwidth (GB/s): 1792

GPU Effective Memory Clock (MHz): 2209