manli NEBULA

GEFORCE RTX

Nebula GeForce RTX™ 5090

Chipset	
Product name	Manli Nebula GeForce RTX 5090
Part number	M-N509N/D732G-M3672
NVIDIA CUDA® Cores	21760

GPU Clock	
Base	2017 MHz
Boost	2407 MHz

Graphics Processor	
Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 3352 AI TOPS
RT Cores	4th Gen / 318 TFLOPS
DLSS	DLSS 4

Memory Specifications	
Standard memory Config	32GB GDDR7
Memory clock	14000 MHz
Memory bus width	512 bit
Peak memory bandwidth	Up to 1792 GB/s
Effective memory clock	28.0 Gbps

Display /Interface	
Maximum resolutions	7680 x 4320
Display connectors	HDMI + 3 x DP
PCI express interface	PCI Express 5.0

Thermal /Component power	
TGP(Total Graphics Power)	575W
Slots	3.5-Slot
Card dimension (Included fan)	356 x 165 x 65mm
Card dimension (Without bracket)	345 x 150 x 65mm
Maximum GPU temperature	90 °C
Cooling design	VC Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging	
Box size	447 x 256 x 112mm
Product net weight	2.12 kg

3352 AI TOPS

2017 MHz ~ 2407 MHz

32GB GDDR7

Solid & Durable

System Requirement

> PCI Express® graphics slot required
> Internet connection and 2 GB available disk space for driver installation required
> System space for a 4-slot card required
> Recommend PCIe CEM 5.1 compliant PSU
> 1000W system power supply required
> 32 GB system memory recommended
> Microsoft® Windows® 11 64-bit or Linux 64-bit

Key Features

> Dedicated Ray Tracing Cores
> Dedicated Tensor Cores
> NVIDIA DLSS
> Game Ready and NVIDIA Studio Drivers
> NVIDIA® App
> NVIDIA Broadcast
> NVIDIA G-SYNC®
> NVIDIA GPU Boost™
> PCI Expresse® Gen 5
> Microsoft DirectX® 12 Ultimate
> Vulkan 1.4, OpenGL 4.6
> HDCP 2.3
> DisplayPort 2.1b with UHBR20: up to 4K at 480Hz or 8K 165Hz with DSC
> As specified in HDMI 2.1b: up to 4K 480Hz or 8K 120Hz with DSC, Gaming VRR, HDR
> Fan-stop function at idle state to reduce noise and conserve energy

Included In The Box

> Graphics card manual
> 16PIN to 4*8PIN power cable
> Graphics card supporting pole

*All product photos and Specifications are subjected to change without prior notice.

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