



30 January 2025 – Manli Technology Group Limited is proud to announce the Manli GeForce RTX™ 5090 graphics card.

The NVIDIA® GeForce RTX™ 5090 is the most powerful GeForce GPU ever made, bringing game-changing capabilities to gamers and creators. Tackle the most advanced models and most challenging creative workloads with unprecedented AI horsepower. Game with full ray tracing and the lowest latency. The GeForce RTX 5090 is powered by the NVIDIA Blackwell architecture and equipped with 32 GB of super-fast GDDR7 memory, so you can do it all.

Manli Design

NVIDIA® GeForce RTX™ 5090 GPUs bring game-changing capabilities to gamers and creators. The RTX 5090 enables new experiences and next-level graphics fidelity. Multiply performance with NVIDIA DLSS 4, generate images at unprecedented speed. Clock speed has been boosted to 2407 MHz.

There are 21,760 CUDA® cores onboard powering the RTX™ 5090. It also has 32GB of memory, and GDDR7 memory speeds of up to 28Gbps, with 5th Gen Tensor Cores, AI TOPS 3352.



Gallardo Series: Powerful and Creative !

The new Gallardo Series is inspired by racing cars, provide the ultimate performance to the user. Equipped with a unique **Drag Reduction System (DRS)** for cooling to enhance air flow for better heat dissipation. Moreover, our Gallardo includes multiple ARGB lighting control system, also features smart voice lighting control, allowing users to switch lighting modes easily.



Stellar Series: Silence, Stylish & Performance!

The Stellar Series has an elegant gradient-colored cover design and features Manli 3rd-generation patented fans with advanced noise-reduction technology. Special fin shape designed to channel air flow, ensuring the most silence and comfortable experience.



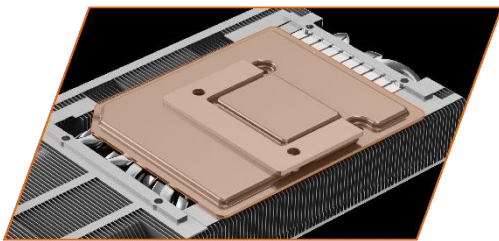
Multiple ARGB lighting control system

- Support Smart Voice Lighting Control
- Support Windows 11 Dynamic Lighting
- Support motherboard RGB lighting control



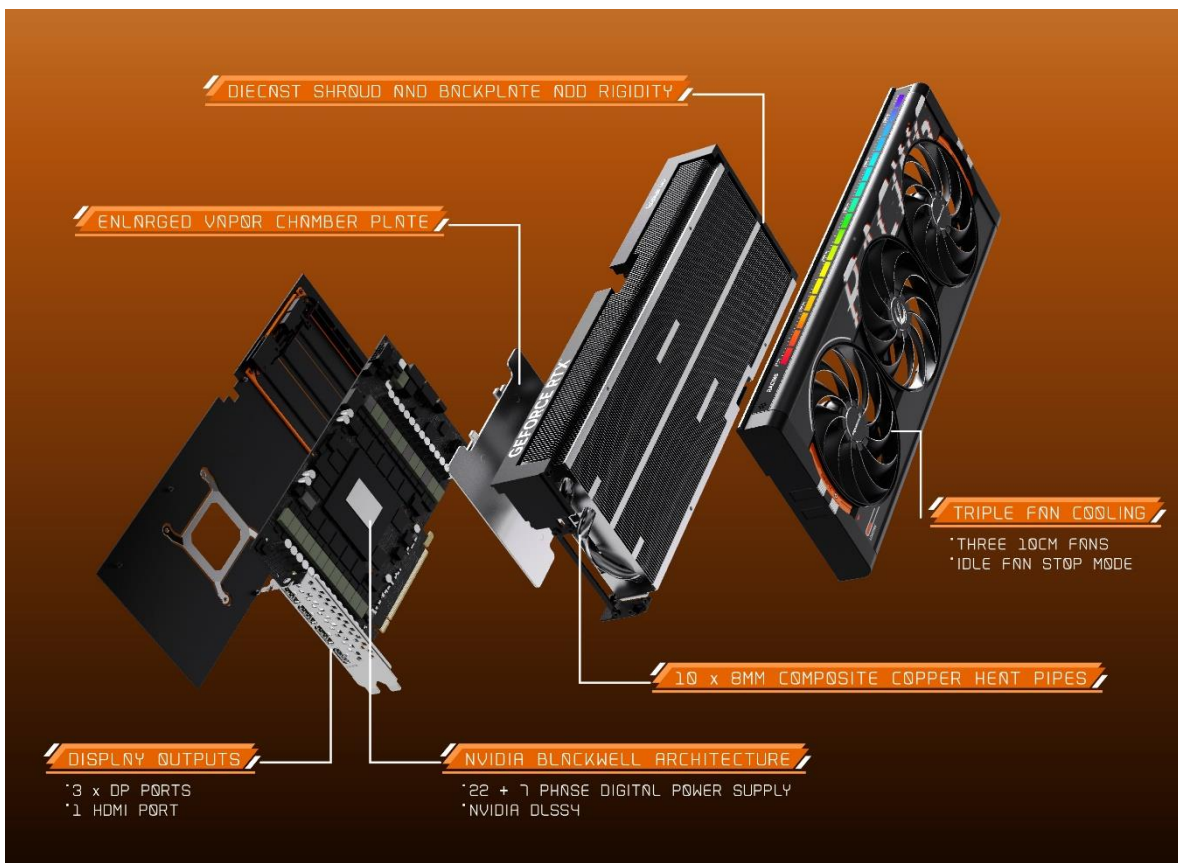
Drag Reduction System

- Inspired by racing car air channel design
- Intelligent on/off switching cover according to GPU temperature
- Enhanced air flow for better heat dissipation



Advanced thermal design and technology

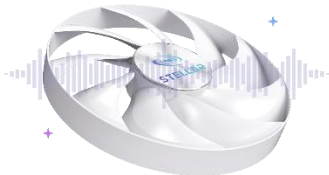
- Enlarged vapor chamber plate
- 10 x 8mm composite heat- pipes
- 10cm framed fan blade to increase flow pressure





Striking Design

The Stellar series features a gradient-colored cover. The unique electroplating process produces a color-shifting appearance at different angles.



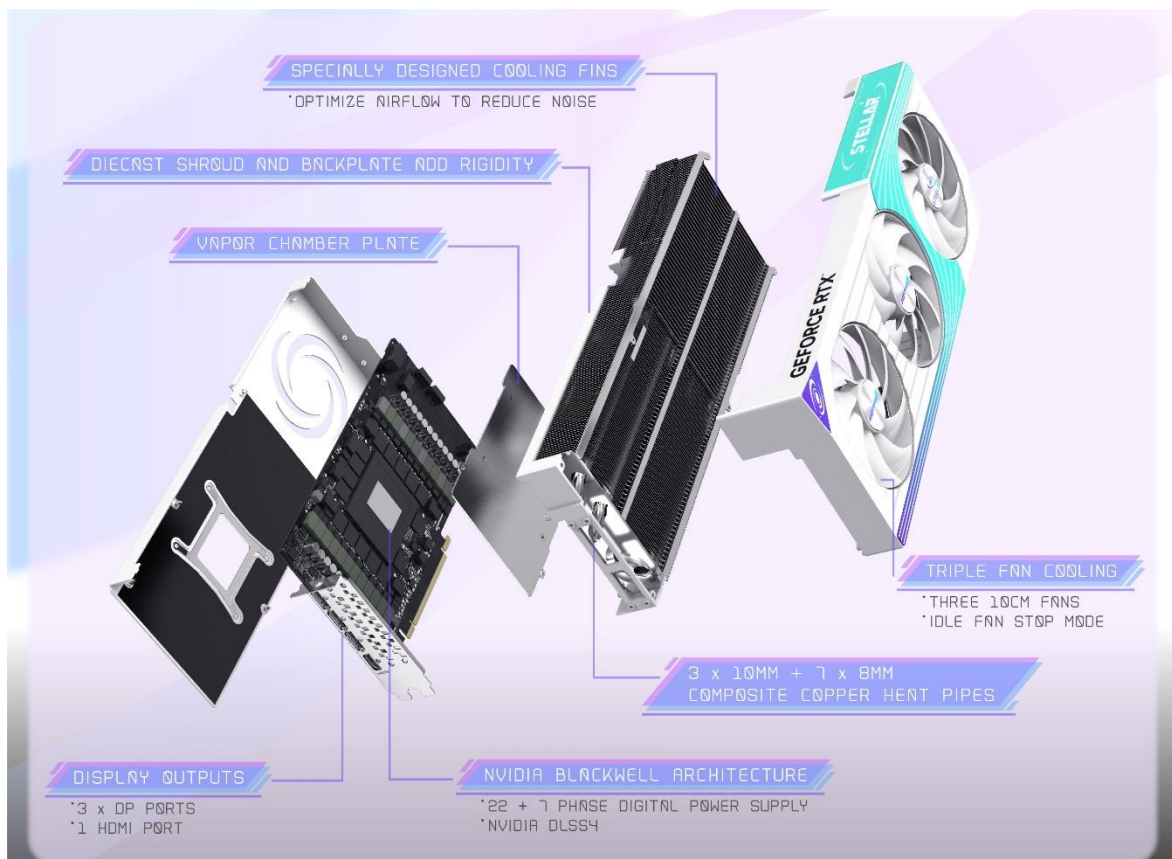
Silent Fans

The Stellar series are equipped with Manli 3rd-generation patented fan, ensuring a quiet and comfortable experience even during high-speed operation.



Synchronized RGB Lighting

ARGB lighting control system supports Win11 D-Lighting and most motherboard lighting software, allowing synchronized lighting with the whole system and accessories.





Equipped with this the most powerful chip, Manli provides two of the most upscale versions – Gallardo & Stellar, allowing you to enjoy faster gaming pleasure and early access to the convenience and powerful performance brought by AI. Stay with Manli, you always have the choice!!!



About Manli Technology Group Limited

Established in 1996, Manli Technology Group Ltd. has been a major manufacturer and supplier of Computer Graphics Cards, Mining Systems, Mining Cards, and other peripherals/components. Manli has been able to fulfill various needs in the continuously changing IT industry. With an innovative R&D team and strict quality control standards, Manli's products always mean performance, reliability, and conformance. Our goal is to provide high-performance products at competitive prices.

For more information, please visit <https://www.manli.com>

Media Contact

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Manli Technology Group Limited

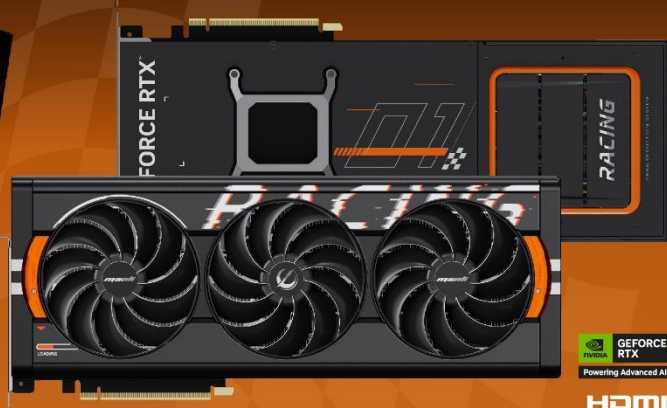
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** The above information shows the general technical specifications of the product and does not represent actual configuration. For specific configurations and their availability, please check with your local distributors*

Gallardo GeForce RTX™ 5090 OC



Chipset

Product Name	Manli Gallardo GeForce RTX 5090 OC
Part Number	M-N509G0/D732G-M3626
NVIDIA CUDA® Cores	21760

GPU Clock

Base	2017 MHz
Boost	2482 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
Memory speed	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)	359 x 145 x 69mm
Card dimension (PCB only)	232.35 x 134.45mm
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
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3352
AI TOPS

2017 MHz
~
2482 MHz

32 GB
GDDR7

Multiple
ARGB
Lighting Control System

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 Express® 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 165Hz with DSC, Gaming VRR, HDR
- > Support Smart Voice Lighting Control, Windows 11 Dynamic Lighting and motherboard RGB lighting control
- > Fan-stop function at idle state to reduce noise and conserve energy

Included In The Box

- > Car plate sticker
- > Lighting connection cable
- > Graphics card manual
- > Smart voice lighting control system manual
- > 16PIN to 4*8PIN power cable
- > Graphics card supporting pole

Stellar GeForce RTX™ 5090 OC



Chipset	
Product Name	Manli Stellar GeForce RTX 5090 OC
Part Number	M-N50950/D732G-M3627
NVIDIA CUDA® Cores	21760

GPU Clock	
Base	2017 MHz
Boost	2437 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
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Display /Interface	
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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)	360 x 146 x 70mm
Card dimension (PCB only)	232.35 x 134.45mm
Maximum GPU Temperature	90 °C
Cooling design	VC Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging	
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3352 AI TOPS	2017 MHz ~ 2437 MHz	32 GB GDDR7	Multiple ARGB Lighting Control System
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