



12th of Oct. 2022 – Manli Technology Group Limited is proud to announce the brand new 40 series graphics card, the Manli GeForce RTX 4090 Gallardo.

The GeForce RTX 4090 is the first GeForce graphics card based on the new Ada architecture. The core chipset of the GeForce RTX 4090 is AD102 GPU, which is the most powerful GPU of Ada architecture.

Increased Performance

The GeForce RTX 4090 has 24GB of GDDR6X at 21Gbps, GPU boost clock up to 2520 MHz, 16,384 CUDA[®] cores. Building upon RTX, the AD102 features 3rd generation Ray Tracing Cores, 4th generation Tensor Cores, new DLSS 3 technology and streaming multiprocessors, it delivers 2-4x performance improvement over prior generation Ampere GPUs.

Manli Design

The triple fan front plate of the Manli GeForce RTX 4090 features brushed green and clean lines. With 3 x 10cm patented fans, it has RGB lights that cycle through seven colors which can switch on or off upon your preference. The aluminum back plate lends structural rigidity to a 3.5-slot card. 8 copper composite heat pipes and segmented heat sink design help to effectively dissipate heat.



About Manli Technology Group Limited

Established in 1996, Manli Technology Group Ltd. is 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>

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Chipset

Product Name	NVIDIA GeForce RTX® 4090
Part Number	M-NRTX40906/6RHHPPP-M3530
NVIDIA CUDA® Cores	16384

GPU Clock

Base	2235 MHz
Boost	2520 MHz

Memory Specifications

Standard Memory Config	24GB GDDR6X
Memory clock	10500 MHz
Memory bus width	384 bit
Peak memory bandwidth	Up to 1008 GB/s
Memory speed	21.0 Gbps

Display /Interface

Maximum resolutions	7680 × 4320
Output Ports	HDMI + 3 × DP
PCI Express interface	PCI Express 4.0
NVLink bridge	Not Supported

Thermal /Component power

TGP(Total Graphics Power)	450W
Width	3.5-Slot
Card dimension (Included fan)	351 x 145 x 63mm
Card dimension (PCB only)	232 x 134 x 1.6mm
Maximum GPU Temperature	90°C
Cooling design	Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging

Box size	439.5 x 229 x 112mm
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System Requirement

- > PCI Express® graphics slot required
- > Internet connection and 2 GB available disk space for driver installation required
- > System space for a 3.5-slot card required
- > Three PCIe 8-pin power connectors required
- > 850W system power supply required
- > 32 GB system memory recommended
- > Microsoft® Windows® 10 64-bit (build 2004 or later recommended) or Linux 64-bit

Key Features

- > Dedicated Ray Tracing Cores
- > Dedicated Tensor Cores
- > NVIDIA DLSS
- > Game Ready and NVIDIA Studio Drivers
- > NVIDIA® GeForce Experience™
- > NVIDIA Broadcast
- > NVIDIA G-SYNC®
- > NVIDIA GPU Boost™
- > GDDR6X Graphics Memory
- > PCI Express® Gen 4
- > Microsoft DirectX® 12 Ultimate
- > Vulkan RT APIs, Vulkan 1.3, OpenGL 4.6
- > HDCP 2.3
- > DisplayPort 1.4a
- > Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in HDMI2.1a
- > RGB LED breathing lights with 7-colors rotation
- > LED light switch to turn on/off LED upon users' preference.
- > Fan-stop function at idle state to reduce noise and conserve energy

Included in the box

- > 16PIN to 3 x 8PIN power cable
- > Graphics card supporting pole

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

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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