1 July 2025 – Manli Technology Group Limited is proud to announce the Manli GeForce RTX™ 5050 graphics card.

Step up to NVIDIA Blackwell with the GeForce RTX™ 5050, featuring 4th-gen ray tracing and 5th-gen Tensor Cores for game-changing AI capabilities and performance in top games and apps.

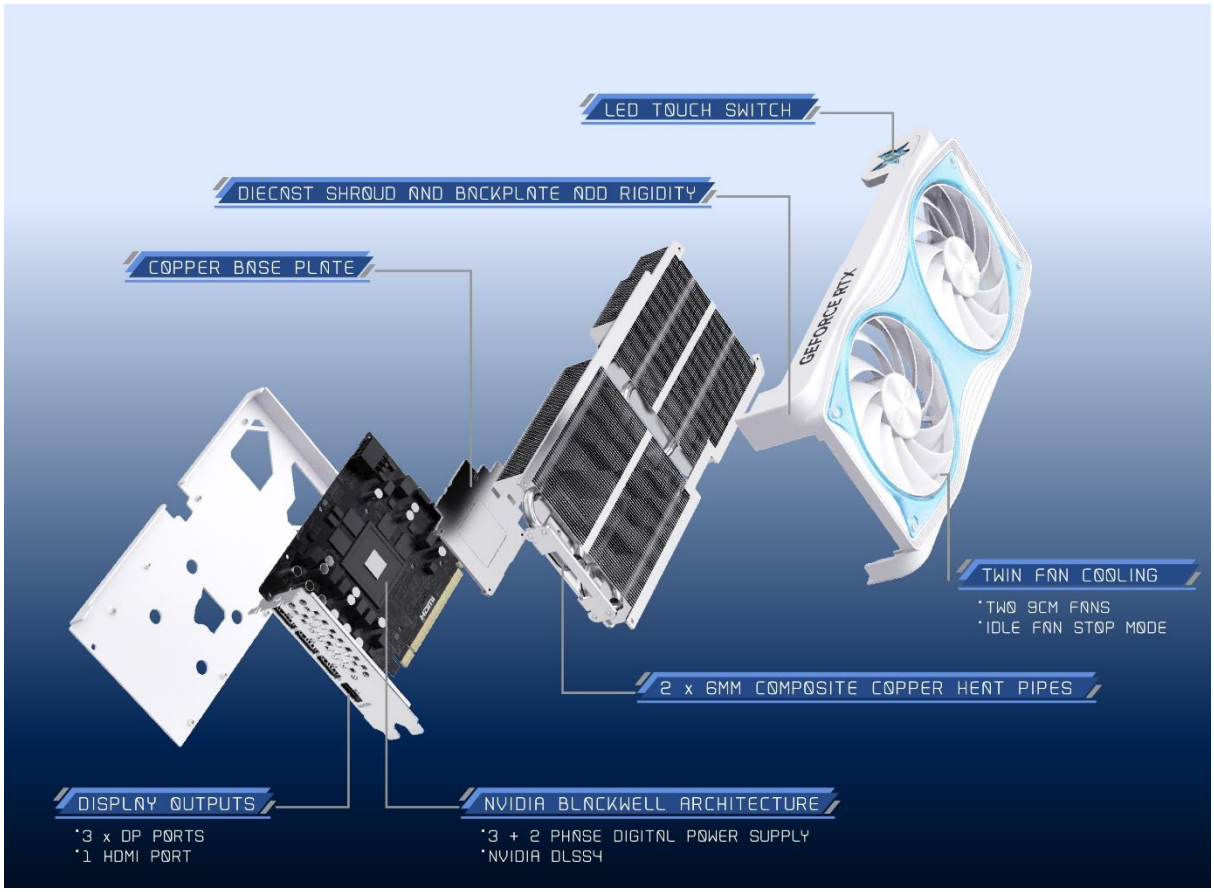
Manli Design

There are 2,560 CUDA® cores onboard powering the RTX™ 5050. It also features 8GB of memory, and GDDR6 memory speeds of up to 20Gbps, with 5th Gen Tensor Cores, delivering up to 421 AI TOPS.

Manli offers RTX™ 5050 in Polar Fox & Nebula series. We sincerely invite you to experience NVIDIA Blackwell with our innovative IP characters – Polar. Plus, there's also classical and durable version- Nebula. Expect you to have a whole new adventure with Manli's graphic cards. Stay with Manli, you always have the choice!!!

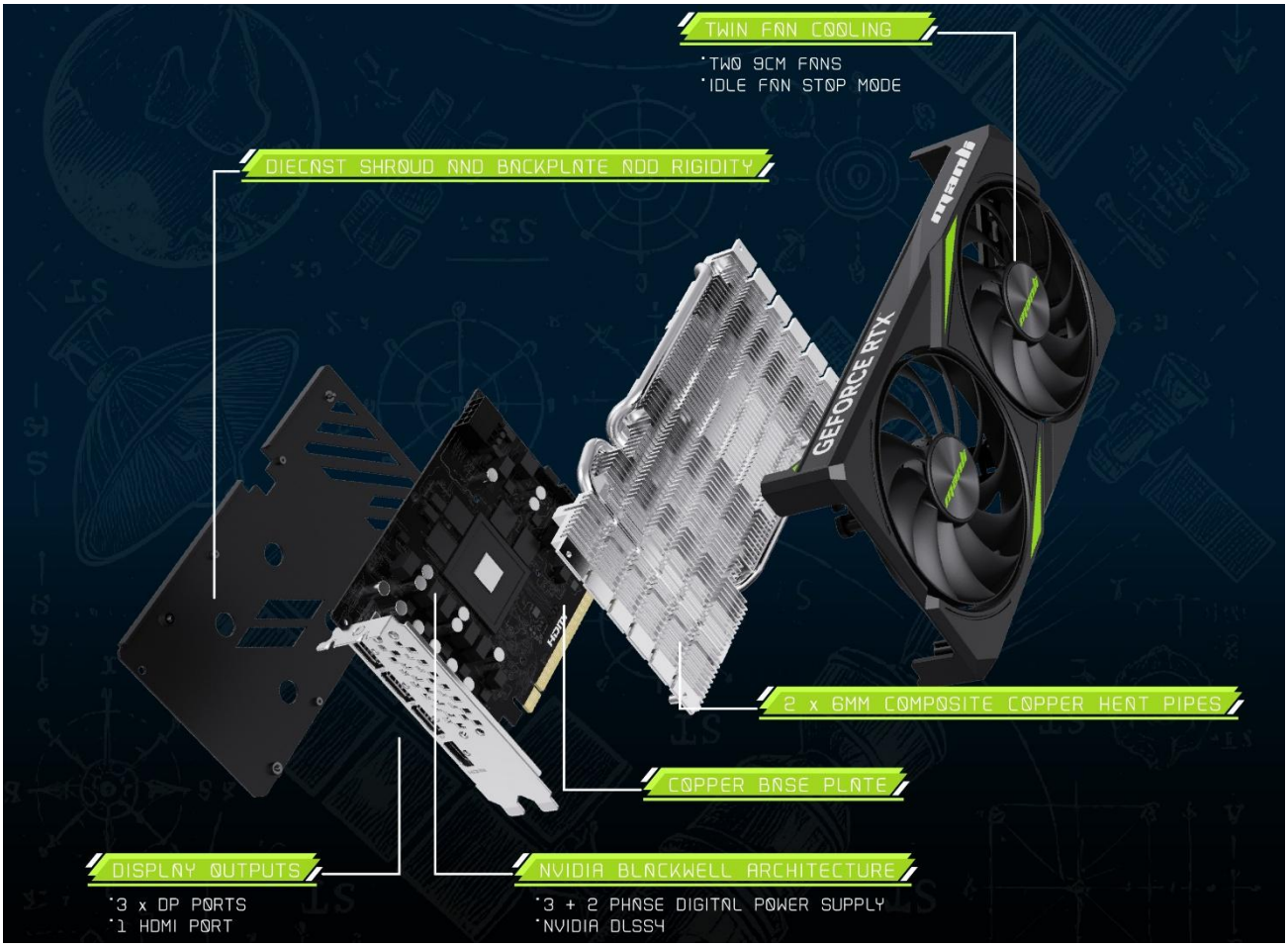
Polar Fox Series: Silence & ACG (Animation, Comic, Game) !

Polar Fox is still the best choice for the users who love anime. Manli doesn't just design another graphics card—we've crafted a unique IP identity that makes Polar Fox truly special. If your PC is too small to fit triple cooler version, you must try our Polar Fox 5050 twin cooler design, you also can experience the incredible power of the Blackwell architecture. Can't wait, let's check it out !!!



Nebula Series: High CP Value, solid & durable!

The new Nebula 5050 is compact yet powerful, designed to maximize performance in twin cooler graphics card, reliable quality allows mini PC case users to experience the incredible power of the Blackwell architecture. The backplate has a new ventilation system that boosts cooling performance. Nebula is classic but out of the ordinary.



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

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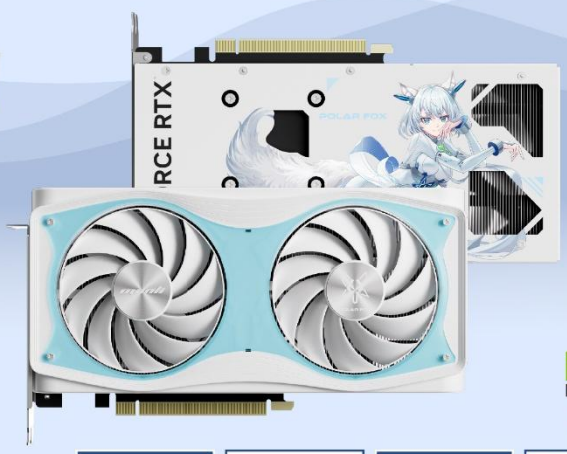
** The above information shows the general technical specifications of the product and does not represent actual configuration. For specific configurations and their availability, please check with your local distributors*

Polar Fox GeForce RTX™ 5050 OC



421 AI TOPS

2317 MHz ~ 2602 MHz

8 GB GDDR6

Multiple ARGB Lighting Control System

Chipset	
Product name	Manli Polar Fox GeForce RTX 5050 OC
Part number	M-N505PO/D68G-M2666
NVIDIA CUDA® Cores	2560

GPU Clock	
Base	2317 MHz
Boost	2602 MHz

Graphics Processor	
Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 421 AI TOPS
RT Cores	4th Gen / 40 TFLOPS
DLSS	DLSS 4

Memory Specifications	
Standard memory Config	8GB GDDR6
Memory clock	10000 MHz
Memory bus width	128 bit
Peak memory bandwidth	Up to 320 GB/s
Effective memory clock	20.0 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)	130W
Slots	2.5-Slot
Card dimension (Included fan)	252 x 141 x 50mm
Card dimension (Without bracket)	240 x 126 x 50mm
Maximum GPU temperature	87 °C
Cooling design	Heatsink with Twin Cooler
Power connector	one 8 pin

Packaging	
Box size	330 x 190 x 90mm
Product net weight	0.74 kg

System Requirement

> PCI Express® graphics slot required
> Internet connection and 2 GB available disk space for driver installation required
> System space for a 2.5-slot card required
> Recommend PCIe CEM 5.1 compliant PSU
> 550W 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®
> 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
> 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

> Graphics card manual

NEBULA

Nebula GeForce RTX™ 5050

GEFORCE RTX
Powering Advanced AI

HDMI

421 AI TOPS	2317 MHz ~ 2572 MHz	8 GB GDDR6	Solid & Durable

Chipset	
Product name	Manli Nebula GeForce RTX 5050
Part number	M-N505N/D68G-M2667
NVIDIA CUDA® Cores	2560

GPU Clock	
Base	2317 MHz
Boost	2572 MHz

Graphics Processor	
Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 421 AI TOPS
RT Cores	4th Gen / 40 TFLOPS
DLSS	DLSS 4

Memory Specifications	
Standard memory Config	8GB GDDR6
Memory clock	10000 MHz
Memory bus width	128 bit
Peak memory bandwidth	Up to 320 GB/s
Effective memory clock	20.0 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)	130W
Slots	2-Slot
Card dimension (Included fan)	222 x 135 x 42mm
Card dimension (Without bracket)	211 x 120 x 42mm
Maximum GPU temperature	87 °C
Cooling design	Heatsink with Twin Cooler
Power connector	one 8-pin

Packaging	
Box size	330 x 190 x 90mm
Product net weight	0.71 kg

System Requirement

> PCI Express® graphics slot required
> Internet connection and 2 GB available disk space for driver installation required
> System space for a 2.5-slot card required
> Recommend PCIe CEM 5.1 compliant PSU
> 550W 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

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