30 January 2025 – Manli Technology Group Limited is proud to announce the Manli GeForce

RTX™ 5080 graphics card.

Gear up for game-changing experiences with the NVIDIA® GeForce RTX™ 5080 and AI-

powered DLSS 4.   Built with NVIDIA Blackwell and equipped with blistering-fast GDDR7

memory, it lets you run the most graphically demanding games and creative applications with

stunning fidelity and performance.   With NVIDIA Studio you can bring your creative projects

to life faster than ever.

Manli Design

There are 10,752 CUDA® cores onboard powering the RTX™ 5080.   It also has 16GB of

memory, and GDDR7 memory speeds of up to 30Gbps, with 5th Gen Tensor Cores, AI TOPS

1801.

No matter you're gaming enthusiast, applications creator, ACG followers or just getting started

to try NVIDIA Blackwell, you must can find it.

Manli offers diversified version to meet your demand.   You can try our premium - Gallardo,

luxury - Stellar, snow white - Polar Fox & classic – Nebula.

Expect you to have a whole new adventure with Manli's graphic cards.   Stay with Manli, you

always have the choice!!!

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.
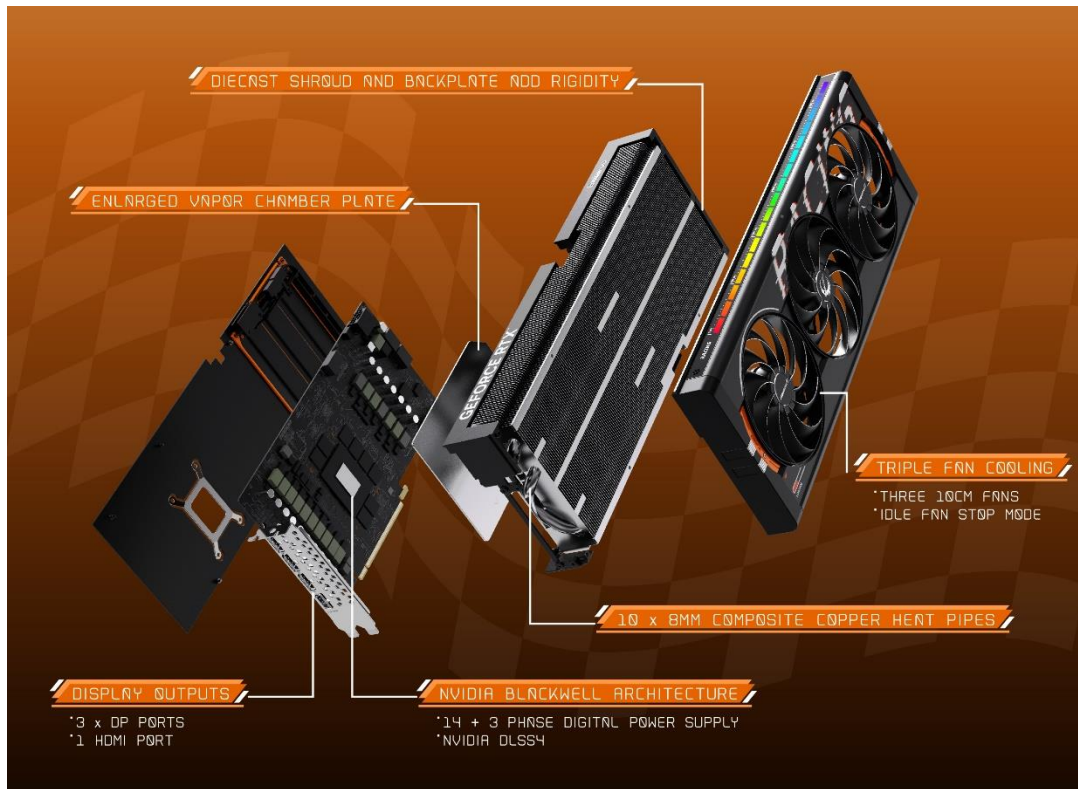
Stellar Series: Silence, Stylish & Performance!

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.
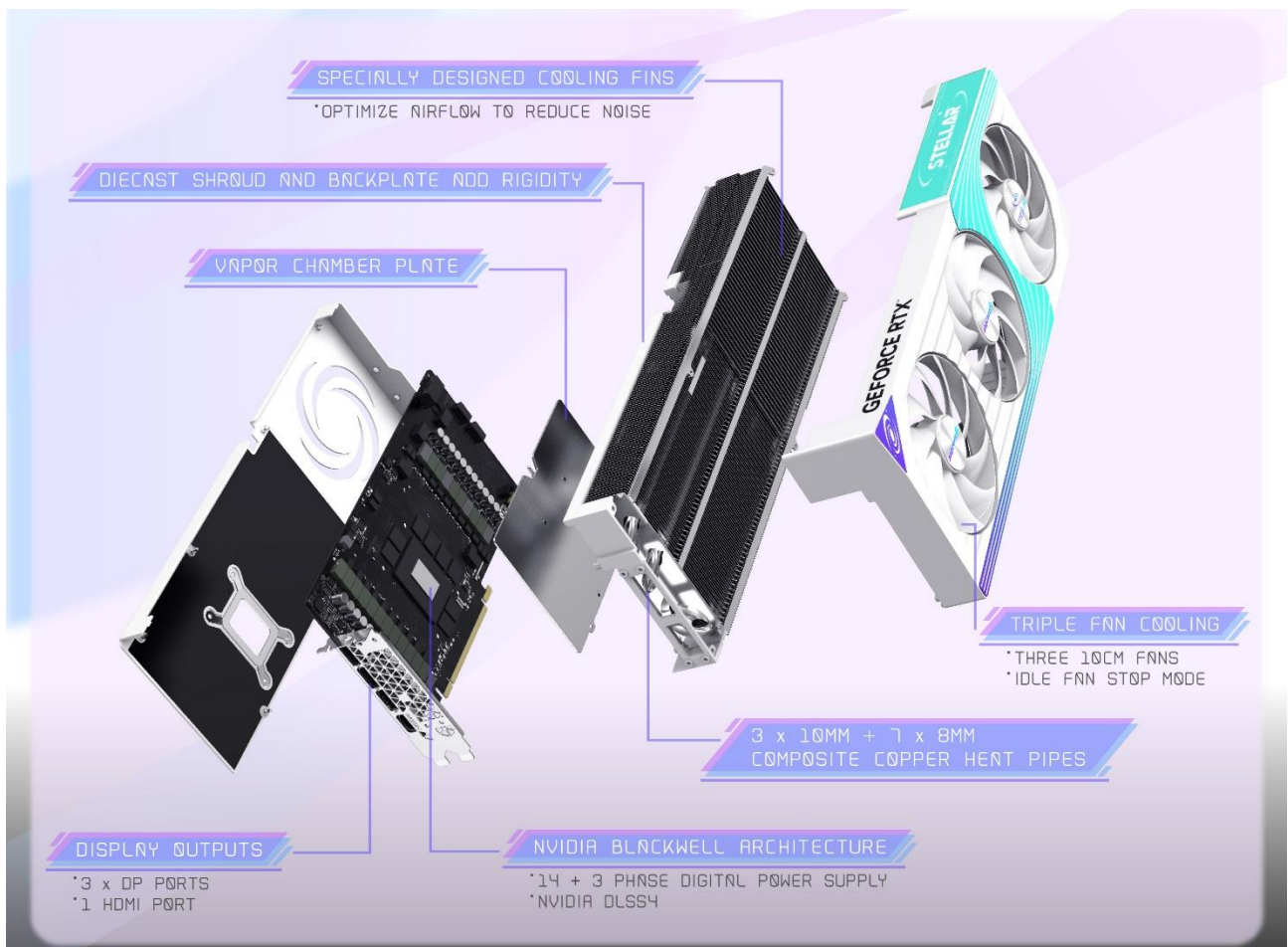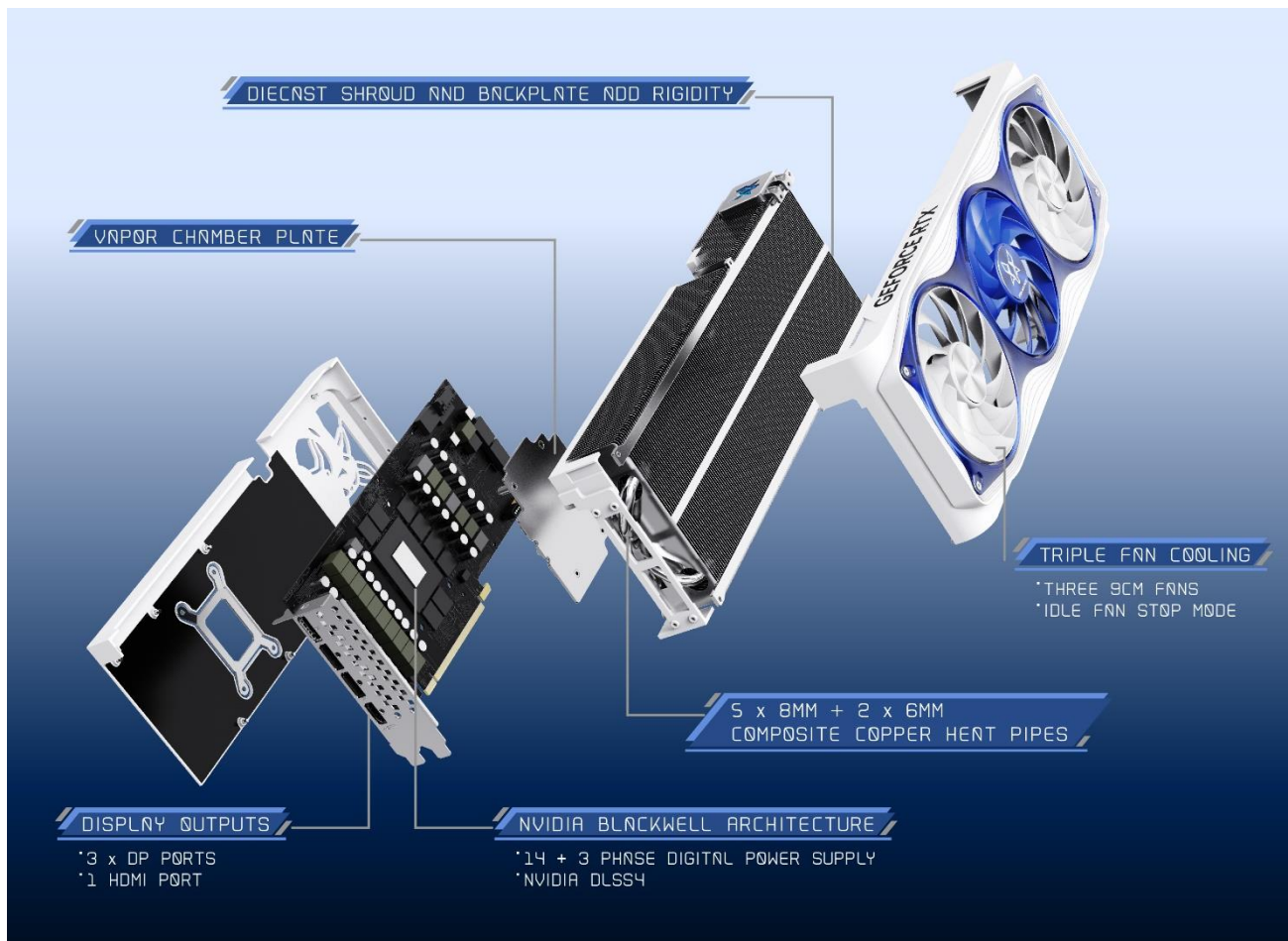
POLAR FOX

GeForce RTX™ 50 Series

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

The Polar Fox Series introduces its exclusive Two-Dimensional character, Polar, with a unique

design printed on the backplate.　In the future, there will also be opportunities for

collaborations with other IPs.　With its highly recognizable design, this graphics card is

perfect for users who loves anime.

DIECAST SHROUD AND BACKPLATE ADD RIGIDITY

VAPOR CHAMBER PLATE

TRIPLE FAN COOLING
· THREE 9CM FANS
· IDLE FAN STOP MODE

5 x 8MM + 2 x 6MM
COMPOSITE COPPER HEAT PIPES

DISPLAY OUTPUTS
· 3 x DP PORTS
· 1 HDMI PORT

NVIDIA BLACKWELL ARCHITECTURE
· 14 + 3 PHASE DIGITAL POWER SUPPLY
· NVIDIA DLSS4

NEBULA

GeForce RTX™ 50 Series

Nebula Series: High CP Value, solid & durable!

The Nebula Series is built with overall diecast shroud and metal backplate to add rigidity to

protect the card and prevent bending or warping.   The backplate has a new ventilation

system that boosts cooling performance.   Nebula is classic but out of the ordinary.

TRIPLE FAN COOLING
· THREE 9CM FANS
· IDLE FAN STOP MODE

DIECAST SHROUD AND BACKPLATE ADD RIGIDITY

6 x 8MM COMPOSITE COPPER HEAT PIPES

VAPOR CHAMBER PLATE

DISPLAY OUTPUTS
· 3 x DP PORTS
· 1 HDMI PORT

NVIDIA BLACKWELL ARCHITECTURE
· 14 + 3 PHASE DIGITAL POWER SUPPLY
· NVIDIA DLSS4

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

Gallardo GeForce RTX™ 5080 OC

1801 AI TOPS

2295 MHz ~ 2670 MHz

16 GB GDDR7

Multiple ARGB Lighting Control System
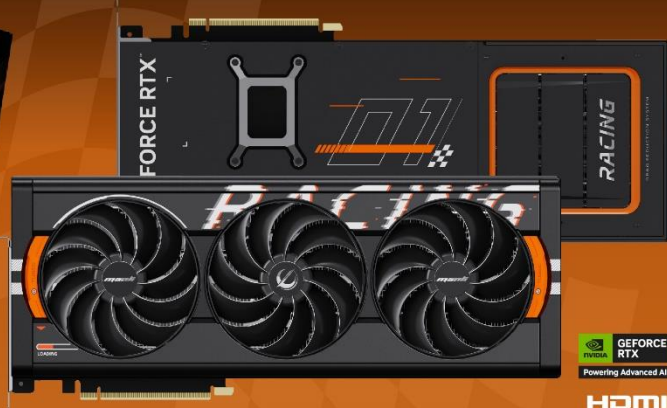
Chipset

Product Name	Manli Gallardo GeForce RTX 5080 OC
Part Number	M-N508G0/D716G-M3628
NVIDIA CUDA® Cores	10752

GPU Clock

Base	2295 MHz
Boost	2670 MHz

Graphics Processor

Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 1801 AI TOPS
RT Cores	4th Gen / 171 TFLOPS
DLSS	DLSS 4

Memory Specifications

Standard Memory Config	16GB GDDR7
Memory clock	15000 MHz
Memory bus width	256 bit
Peak memory bandwidth	Up to 960 GB/s
Memory speed	30.0 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)	360W
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	88 °C
Cooling design	VC Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging

Box size	447 x 256 x 112mm

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
> 850W 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 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 3*8PIN power cable
> Graphics card supporting pole

Stellar GeForce RTX™ 5080 OC

manli

STELLAR

1801 AI TOPS	2295 MHz ~ 2640 MHz	16 GB GDDR7	Multiple ARGB Lighting Control System

Chipset

Product Name	Manli Stellar GeForce RTX 5080 OC
Part Number	M-N5085O/D716G-M3629
NVIDIA CUDA® Cores	10752

GPU Clock

Base	2295 MHz
Boost	2640 MHz

Graphics Processor

Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 1801 AI TOPS
RT Cores	4th Gen / 171 TFLOPS
DLSS	DLSS 4

Memory Specifications

Standard Memory Config	16GB GDDR7
Memory clock	15000 MHz
Memory bus width	256 bit
Peak memory bandwidth	Up to 960 GB/s
Memory speed	30.0 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)	360W
Slots	3.5-Slot
Card dimension (Included fan)	360 x 147 x 70mm
Card dimension (PCB only)	232.35 x 134.45mm
Maximum GPU Temperature	88 °C
Cooling design	VC Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging

Box size	447 x 256 x 112mm

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
> 850W 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 165Hz with DSC, Gaming VRR, HDR
> 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

> Lighting connection cable
> Graphics card manual
> 16PIN to 3*8PIN power cable
> Graphics card supporting pole

manli   **POLAR FOX**

Polar Fox GeForce RTX™ 5080 OC

1801 AI TOPS

2295 MHz ~ 2640 MHz

16 GB GDDR7

Multiple ARGB Lighting Control System

Chipset	
Product Name	Manli Polar Fox GeForce RTX 5080 OC
Part Number	M-N508PO/D716G-M3630
NVIDIA CUDA® Cores	10752

GPU Clock	
Base	2295 MHz
Boost	2640 MHz

Graphics Processor	
Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 1801 AI TOPS
RT Cores	4th Gen / 171 TFLOPS
DLSS	DLSS 4

Memory Specifications	
Standard Memory Config	16GB GDDR7
Memory clock	15000 MHz
Memory bus width	256 bit
Peak memory bandwidth	Up to 960 GB/s
Memory speed	30.0 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)	360W
Slots	3.5-Slot
Card dimension (Included fan)	312 x 127 x 66mm
Card dimension (PCB only)	227.4 x 111.15mm
Maximum GPU Temperature	88 °C
Cooling design	VC Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging	
Box size	405 x 240 x 112mm

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
> 850W 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 165Hz with DSC, Gaming VRR, HDR
> 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

> Lighting connection cable
> Graphics card manual
> mobile phone stand
> 16PIN to 3*8PIN power cable
> Graphics card supporting pole

Nebula GeForce RTX™ 5080

NEBULA

1801 AI TOPS

2295 MHz ~ **2617** MHz

16 GB GDDR7

Solid & Durable

Chipset

Product Name	Manli Nebula GeForce RTX 5080
Part Number	M-N508N/D716G-M3631
NVIDIA CUDA® Cores	10752

GPU Clock

Base	2295 MHz
Boost	2617 MHz

Graphics Processor

Shader Cores	Blackwell
Tensor Cores (AI)	5th Gen / 1801 AI TOPS
RT Cores	4th Gen / 171 TFLOPS
DLSS	DLSS 4

Memory Specifications

Standard Memory Config	16GB GDDR7
Memory clock	15000 MHz
Memory bus width	256 bit
Peak memory bandwidth	Up to 960 GB/s
Memory speed	30.0 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)	360W
Slots	3-Slot
Card dimension (Included fan)	312 x 124 x 60mm
Card dimension (PCB only)	227.4 x 111.15mm
Maximum GPU Temperature	88 °C
Cooling design	VC Heatsink with Triple Cooler
Power connector	1 x PCIe Gen5 16-pin

Packaging

Box size	405 x 240 x 112mm

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
> 850W 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 165Hz 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 3*8PIN power cable
> Graphics card supporting pole