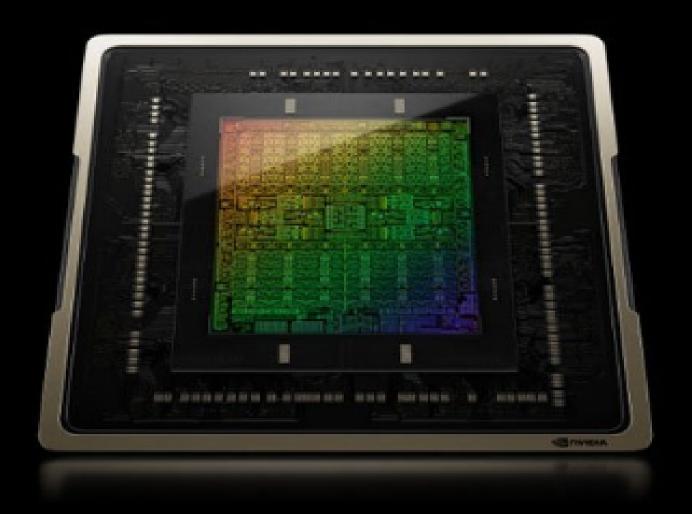
# **NVIDIA Ada Lovelace Architecture**

# Ahead of its time, ahead of the game.



# **New Streaming Multiprocessors**

Up to 2x performance and power efficiency

# **Fourth-Gen Tensor Cores**

Up to 2x Al performance

# **Third-Gen RT Cores**

Up to 2x ray tracing performance



Cutting-Edge GPUs

NVIDIA Ada Lovelace architecture



Realistic and Immersive Graphics

Dedicated Ray Tracing Cores



Al-Accelerated Performance

**NVIDIA DLSS 3** 



Game-Winning Responsiveness

NVIDIA Reflex low-latency platform



Built for Live Streaming

**NVIDIA Encoder** 



AI-Enhanced Voice and Video

NVIDIA Broadcast app



Fast-Track Your Creativity

**NVIDIA Studio** 



Performance and Reliability

Game Ready and Studio Drivers



# GEFORCE RTX 4090 AMP EXTREME AIRO

SKU: ZT-D40900B-10P

EAN: 4895173625985

UPC: 810012083225

Inspired by aerodynamic concepts, the ZOTAC GAMING GeForce RTX 4090 AMP Extreme AIRO utilizes an AIR-Optimized design to bring out the best in the world's most advanced gaming GPU powered by the NVIDIA Ada Lovelace architecture. For gamers and enthusiasts who desire the ultimate performance, the AMP Extreme AIRO graphics card has everything to offer – from unrivaled power to outstanding thermal and noise performance.

















# **KEY FEATURES**

- NVIDIA Ada Lovelace Streaming Multiprocessors:
   Up to 2x performance and power efficiency
- 4th Generation Tensor Cores: Up to 2X AI performance
- 3rd Generation RT Cores: Up to 2X ray tracing performance
- NVIDIA DLSS
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast, NVIDIA G-SYNC®
- NVIDIA GPU Boost™

- 24GB GDDR6X Graphics Memory
- AIR Optimzed Design
- IceStorm 3.0 Advanced Cooling
- FREEZE Fan Stop, Active Fan Control
- SPECTRA 2.0 RGB Lighting (compatible with external LED strip)
- Dual BIOS
- Metal die-cast RGB LED Backplate
- ZOTAC GAMING FireStorm Utility



Extended warranty exclusions may apply based on country/region. (Product registration must be successfully submitted within a limited time of new product purchase at zotac.com. Availability and window of time for product registration may vary by product and region.)













# **TECHNICAL SPECIFICATIONS**

### **SPECIFICATIONS**

- NVIDIA GeForce RTX 4090 GPU
- 16384 CUDA cores
- 24GB GDDR6X memory
- 384-bit memory bus
- Engine boost clock: 2580 MHz
- Memory clock: 21 Gbps
- PCI Express 4.0 16x

### SOFTWARE COMPATIBILITY

- Game Ready and NVIDIA Studio Drivers
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3
- OpenGL 4.6
- Windows 11 / 10 (64-bit, April 2018 update or later)

# CONNECTIONS

- 3 x DisplayPort 1.4a (up to 7680x4320@60Hz)
- 1 x HDMI® Connector
   (Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- HDCP 2.3 support
- Quad simultaneous display capable

# POWER REQUIREMENTS

- 1000-watt power supply recommended
- 450-watt max power consumption
- 1 x 12VHPWR power input

### **INSIDE THE BOX**

- ZOTAC GAMING GeForce RTX 4090
   AMP Extreme AIRO
- GPU Support Stand
- 3-pin RGB Header Cable
- 4x 8-pin-to-12VHPWR cable
- User Manual

### **DIMENSIONS**

### **Product:**

- Length: 355.5mm (14in)
- Height: 149.6mm (5.9in)
- Width: 3.5 slot (72.1mm) (2.8in)

#### Box:

- Height: 440mm (17.3in)
- Width: 282mm (11.1in)
- Depth: 120mm (4.7in)

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For more information please visit:



# GEFORCE RTX 4090 TRINITY

SKU: ZT-D40900D-10P

EAN: 4895173625992

UPC: 810012083232

Leveraging an all-new aerodynamic inspired design, the ZOTAC GAMING GeForce RTX 4090 Trinity utilizes the world's most advanced gaming GPU powered by the NVIDIA Ada Lovelace architecture. Using cutting-edge cooling technologies derived from the flagship model, the Trinity packs the punch to offer gamers the needed blistering FPS in the latest titles.















# **KEY FEATURES**

- NVIDIA Ada Lovelace Streaming Multiprocessors:
   Up to 2x performance and power efficiency
- 4th Generation Tensor Cores: Up to 2X AI performance
- 3rd Generation RT Cores: Up to 2X ray tracing performance
- NVIDIA DLSS
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast, NVIDIA G-SYNC®
- NVIDIA GPU Boost™

- 24GB GDDR6X Graphics Memory
- IceStorm 3.0 Advanced Cooling
- FREEZE Fan Stop, Active Fan Control
- SPECTRA 2.0 RGB Lighting (compatible with external LED strip)
- Dual BIOS
- Metal Backplate
- ZOTAC GAMING FireStorm Utility



Extended warranty exclusions may apply based on country/region. (Product registration must be successfully submitted within a limited time of new product purchase at zotac.com. Availability and window of time for product registration may vary by product and region.)













# **TECHNICAL SPECIFICATIONS**

## **SPECIFICATIONS**

- NVIDIA GeForce RTX 4090 GPU
- 16384 CUDA cores
- 24GB GDDR6X memory
- 384-bit memory bus
- Engine boost clock: 2520 MHz
- Memory clock: 21 Gbps
- PCI Express 4.0 16x

#### SOFTWARE COMPATIBILITY

- Game Ready and NVIDIA Studio Drivers
- PCI Express<sup>®</sup> Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3
- OpenGL 4.6
- Windows 11 / 10 (64-bit, April 2018 update or later)

# CONNECTIONS

- 3 x DisplayPort 1.4a (up to 7680x4320@60Hz)
- 1 x HDMI® Connector

  (Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- HDCP 2.3 support
- Quad simultaneous display capable

# POWER REQUIREMENTS

- 1000-watt power supply recommended
- 450-watt max power consumption
- 1 x 12VHPWR power input

## **INSIDE THE BOX**

- ZOTAC GAMING GeForce RTX 4090 Trinity
- GPU Support Stand
- 3-pin RGB Header Cable
- 3x 8-pin-to-12VHPWR cable
- User Manual

# **DIMENSIONS**

### Product:

- Length: 356.1mm (14in)
- Height: 150.1mm (5.9in)
- Width: 3.5 slot (71.4mm) (2.8in)

### Box:

- Height: 440mm (17.3in)
- Width: 282mm (11.1in)
- Depth: 120mm (4.7in)

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For more information please visit:



# GEFORCE RTX 4090 TRINITY OC

SKU: ZT-D40900J-10P

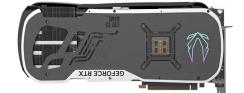
EAN: 4895173626005

005 | UPC: 810012083249

Leveraging an all-new aerodynamic inspired design, the ZOTAC GAMING GeForce RTX 4090 Trinity OC utilizes the world's most advanced gaming GPU powered by the NVIDIA Ada Lovelace architecture. Using cutting-edge cooling technologies derived from the flagship model, the Trinity OC packs the punch to offer gamers the needed blistering FPS in the latest titles.

















# **KEY FEATURES**

- NVIDIA Ada Lovelace Streaming Multiprocessors:
   Up to 2x performance and power efficiency
- 4th Generation Tensor Cores: Up to 2X Al performance
- 3rd Generation RT Cores: Up to 2X ray tracing performance
- NVIDIA DLSS
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast, NVIDIA G-SYNC®
- NVIDIA GPU Boost™

- 24GB GDDR6X Graphics Memory
- IceStorm 3.0 Advanced Cooling
- FREEZE Fan Stop, Active Fan Control
- SPECTRA 2.0 RGB Lighting (compatible with external LED strip)
- Dual BIOS
- Metal Backplate
- ZOTAC GAMING FireStorm Utility



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# **TECHNICAL SPECIFICATIONS**

### **SPECIFICATIONS**

- NVIDIA GeForce RTX 4090 GPU
- 16384 CUDA cores
- 24GB GDDR6X memory
- 384-bit memory bus
- Engine boost clock: 2535 MHz
- Memory clock: 21 Gbps
- PCI Express 4.0 16x

# **SOFTWARE COMPATIBILITY**

- Game Ready and NVIDIA Studio Drivers
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3
- OpenGL 4.6
- Windows 11 / 10 (64-bit, April 2018 update or later)

### **CONNECTIONS**

- 3 x DisplayPort 1.4a (up to 7680x4320@60Hz)
- 1 x HDMI® Connector

  (Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- HDCP 2.3 support
- Quad simultaneous display capable

### **POWER REQUIREMENTS**

- 1000-watt power supply recommended
- 450-watt max power consumption
- 1 x 12VHPWR power input

### **INSIDE THE BOX**

- ZOTAC GAMING GeForce RTX 4090
   Trinity OC
- GPU Support Stand
- 3-pin RGB Header Cable
- 4x 8-pin-to-12VHPWR cable
- User Manual

# **DIMENSIONS**

# Product:

- Length: 356.1mm (14in)
- Height: 150.1mm (5.9in)
- Width: 3.5 slot (71.4mm) (2.8in)

#### Box:

- Height: 440mm (17.3in)
- Width: 282mm (11.1in)
- Depth: 120mm (4.7in)

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For more information please visit:



# GEFORCE RTX 4080 16GB AMP EXTREME AIRO

SKU: ZT-D40810B-10P

EAN: 4895173626364

UPC: 810012083393

Inspired by aerodynamic concepts, the ZOTAC GAMING GeForce RTX 4080 16GB AMP Extreme AIRO utilizes an AIR-Optimized design to bring out the best in the world's most advanced gaming GPU powered by the NVIDIA Ada Lovelace architecture. For gamers and enthusiasts who desire the ultimate performance, the AMP Extreme AIRO graphics card has everything to offer – from unrivaled power to outstanding thermal and noise performance.

















## **KEY FEATURES**

- NVIDIA Ada Lovelace Streaming Multiprocessors:
   Up to 2x performance and power efficiency
- 4th Generation Tensor Cores: Up to 2X AI performance
- 3rd Generation RT Cores: Up to 2X ray tracing performance
- NVIDIA DLSS
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast, NVIDIA G-SYNC®
- NVIDIA GPU Boost™

- 16GB GDDR6X Graphics Memory
- AIR Optimzed Design
- IceStorm 2.0 Advanced Cooling
- FREEZE Fan Stop, Active Fan Control
- SPECTRA 2.0 RGB Lighting (compatible with external LED strip)
- Dual BIOS
- Metal die-cast RGB LED Backplate
- ZOTAC GAMING FireStorm Utility



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# **TECHNICAL SPECIFICATIONS**

### **SPECIFICATIONS**

- NVIDIA GeForce RTX 4080 16GB GPU
- 9728 CUDA cores
- 16GB GDDR6X memory
- 256-bit memory bus
- Engine boost clock: 2565 MHz
- Memory clock: 22.4 Gbps
- PCI Express 4.0 16x

# **SOFTWARE COMPATIBILITY**

- Game Ready and NVIDIA Studio Drivers
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3
- OpenGL 4.6
- Windows 11 / 10 (64-bit, April 2018 update or later)

# CONNECTIONS

- 3 x DisplayPort 1.4a (up to 7680x4320@60Hz)
- 1 x HDMI® Connector

  (Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- HDCP 2.3 support
- Quad simultaneous display capable

### POWER REQUIREMENTS

- 750-watt power supply recommended
- 320-watt max power consumption
- 1 x 12VHPWR power input

### **INSIDE THE BOX**

- ZOTAC GAMING GeForce RTX
   4080 16GB AMP Extreme AIRO
- GPU Support Stand
- 3-pin RGB Header Cable
- 3x 8-pin-to-12VHPWR cable
- User Manual

# **DIMENSIONS**

# **Product:**

- Length: 355.5mm (14in)
- Height: 149.6mm (5.9in)
- Width: 3.5 slot (72.1mm) (2.8in)

# Box:

- Height: 440mm (17.3in)
- Width: 282mm (11.1in)
- Depth: 120mm (4.7in)

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For more information please visit:



# GEFORCE RTX 4080 16GB TRINITY OC

SKU: ZT-D40810J-10P | EAN

EAN: 4895173626388

UPC: 810012083416

Leveraging an all-new aerodynamic inspired design, the ZOTAC GAMING GeForce RTX 4080 16GB Trinity OC utilizes the world's most advanced gaming GPU powered by the NVIDIA Ada Lovelace architecture. Using cutting-edge cooling technologies derived from the flagship model, the Trinity OC packs the punch to offer gamers the needed blistering FPS in the latest titles.

















# **KEY FEATURES**

- NVIDIA Ada Lovelace Streaming Multiprocessors:
   Up to 2x performance and power efficiency
- 4th Generation Tensor Cores: Up to 2X Al performance
- 3rd Generation RT Cores: Up to 2X ray tracing performance
- NVIDIA DLSS
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast, NVIDIA G-SYNC®
- NVIDIA GPU Boost™

- 16GB GDDR6X Graphics Memory
- IceStorm 2.0 Advanced Cooling
- FREEZE Fan Stop, Active Fan Control
- SPECTRA 2.0 RGB Lighting (compatible with external LED strip)
- Dual BIOS
- Metal Backplate
- ZOTAC GAMING FireStorm Utility



Extended warranty exclusions may apply based on country/region. (Product registration must be successfully submitted within a limited time of new product purchase at zotac.com. Availability and window of time for product registration may vary by product and region.)













# **TECHNICAL SPECIFICATIONS**

### **SPECIFICATIONS**

- NVIDIA GeForce RTX 4080 16GB GPU
- 9728 CUDA cores
- 16GB GDDR6X memory
- 256-bit memory bus
- Engine boost clock: 2520 MHz
- Memory clock: 22.4 Gbps
- PCI Express 4.0 16x

### SOFTWARE COMPATIBILITY

- Game Ready and NVIDIA Studio Drivers
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3
- OpenGL 4.6
- Windows 11 / 10 (64-bit, April 2018 update or later)

### **CONNECTIONS**

- 3 x DisplayPort 1.4a (up to 7680x4320@60Hz)
- 1 x HDMI® Connector

  (Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- HDCP 2.3 support
- Quad simultaneous display capable

### **POWER REQUIREMENTS**

- 750-watt power supply recommended
- 320-watt max power consumption
- 1 x 12VHPWR power input

### **INSIDE THE BOX**

- ZOTAC GAMING GeForce RTX
   4080 16GB Trinity OC
- GPU Support Stand
- 3-pin RGB Header Cable
- 3x 8-pin-to-12VHPWR cable
- User Manual

### **DIMENSIONS**

### **Product:**

- Length: 356.1mm (14in)
- Height: 150.1mm (5.9in)
- Width: 3.5 slot (71.4mm) (2.8in)

#### Box:

- Height: 440mm (17.3in)
- Width: 282mm (11.1in)
- Depth: 120mm (4.7in)

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For more information please visit:



# GEFORCE RTX 4080 16GB TRINITY

SKU: ZT-D40810D-10P | EAN: 4895173626371 | UPC: 810012083409

Leveraging an all-new aerodynamic inspired design, the ZOTAC GAMING GeForce RTX 4080 16GB Trinity utilizes the world's most advanced gaming GPU powered by the NVIDIA Ada Lovelace architecture. Using cutting-edge cooling technologies derived from the flagship model, the Trinity packs the punch to offer gamers the needed blistering FPS in the latest titles.















# **KEY FEATURES**

- NVIDIA Ada Lovelace Streaming Multiprocessors:
   Up to 2x performance and power efficiency
- 4th Generation Tensor Cores: Up to 2X AI performance
- 3rd Generation RT Cores: Up to 2X ray tracing performance
- NVIDIA DLSS
- Game Ready and NVIDIA Studio Drivers
- NVIDIA® GeForce Experience™
- NVIDIA Broadcast, NVIDIA G-SYNC®
- NVIDIA GPU Boost™

- 16GB GDDR6X Graphics Memory
- IceStorm 2.0 Advanced Cooling
- FREEZE Fan Stop, Active Fan Control
- SPECTRA 2.0 RGB Lighting (compatible with external LED strip)
- Dual BIOS
- Metal Backplate
- ZOTAC GAMING FireStorm Utility



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# **TECHNICAL SPECIFICATIONS**

# **SPECIFICATIONS**

- NVIDIA GeForce RTX 4080 16GB GPU
- 9728 CUDA cores
- 16GB GDDR6X memory
- 256-bit memory bus
- Engine boost clock: 2505 MHz
- Memory clock: 22.4 Gbps
- PCI Express 4.0 16x

### SOFTWARE COMPATIBILITY

- Game Ready and NVIDIA Studio Drivers
- PCI Express® Gen 4
- Microsoft DirectX® 12 Ultimate
- Vulkan RT APIs, Vulkan 1.3
- OpenGL 4.6
- Windows 11 / 10 (64-bit, April 2018 update or later)

# CONNECTIONS

- 3 x DisplayPort 1.4a (up to 7680x4320@60Hz)
- 1 x HDMI® Connector

  (Supports 4K 120Hz HDR, 8K 60Hz HDR, and Variable Refresh Rate as specified in the HDMI 2.1 Specification)
- HDCP 2.3 support
- Quad simultaneous display capable

# **POWER REQUIREMENTS**

- 750-watt power supply recommended
- 320-watt max power consumption
- 1 x 12VHPWR power input

## **INSIDE THE BOX**

- ZOTAC GAMING GeForce RTX
   4080 16GB Trinity
- GPU Support Stand
- 3-pin RGB Header Cable
- 3x 8-pin-to-12VHPWR cable
- User Manual

### **DIMENSIONS**

# Product:

- Length: 356.1mm (14in)
- Height: 150.1mm (5.9in)
- Width: 3.5 slot (71.4mm) (2.8in)

#### Box:

- Height: 440mm (17.3in)
- Width: 282mm (11.1in)
- Depth: 120mm (4.7in)

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