

# ASUS TUF Gaming TUF-RTX4090-O24G-OG-GAMING

---



Artikel  
Herstellernummer  
EAN  
ASUS

131619  
90YV0IY3-M0NA00  
4711387225011

## **Built TUF**

NVIDIA Ada Lovelace architecture elevated by buffed cooling and power delivery, and backed with an arsenal of rugged reinforcements to cover your six. Lock, load, and dominate with the TUF Gaming GeForce RTX™ 4090.

## **The Ultimate Platform for Gamers and Creators**

Powered by GeForce RTX 40 Series and DLSS 3

## **New Streaming Multiprocessors**

Up to 2x performance and power efficiency

## **Fourth-Gen Tensor Cores**

Up to 4x performance with DLSS 3 vs. brute-force rendering

## **Third-Gen RT Cores**

Up to 2x ray tracing performance

## **AXIAL-TECH UPGRADES**

### **Air Superiority**

TUF Gaming cards leverage our tried-and-true Axial-tech fan design, with three fans working in tandem to satisfy the thermal demands of NVIDIA's new high-octane design. The fans rely on dual ball fan bearings to ensure consistent performance and increased longevity compared to sleeve bearings and other bearing types.

## **NEW DIRECTION**

### **Well-maintained Formation**

The two side fans spin counterclockwise to minimize turbulence and maximize air dispersion through the heatsink. All three fans come to a standstill when GPU temps are below 50 Celsius, letting you play less-demanding games or perform light tasks in relative silence. Fans start up again when temps are over 55 Celsius, referencing a speed curve that balances performance and acoustics for work or play.

## **3.2-SLOT DESIGN**

### **Phase That Blaze**

A generously sized heatsink efficiently soak up heat from the GeForce RTX 4090 GPU so that it can be whisked away by the three Axial-tech fans.

## **LOCK, LOAD, AND LET THE PERFORMANCE FLOW**

The GeForce RTX 4090 gloriously presented on a backdrop of low noise and rugged durability.

## **AUTO-EXTREME TECHNOLOGY**

RELIABILITY BOOST

Auto-Extreme Technology is an automated manufacturing process that sets new standards in the industry by allowing all soldering to be completed in a single pass. This reduces thermal strain on components and avoids the use of harsh cleaning chemicals, resulting in less environmental impact, lower manufacturing power consumption, and a more reliable product overall.

#### AURA SYNC

##### Light 'em Up!

Aura-compatible ARGB lighting on the shroud adds a dash of customizable color or functional effects to your build. Pair up with a vast range of compatible system components and coordinate the glow to create a theme that's uniquely you.

#### GPU Tweak III

ASUS GPU Tweak III is more intuitive and feature-rich than ever before. A revamped interface offers greater accessibility by integrating core functions into a centralized dashboard, and our Voltage-Frequency tuner has been overhauled to make overclocking even easier. Additional goodies like 0dB fan technology, automatic profile swapping, a fully customizable on-screen display, and logging capabilities ensure that you get the most out of your graphics card.

#### QuantumCloud

QuantumCloud is a safe and easy-to-use application that lets you effortlessly earn extra money by sharing your graphics card's computing power. Earnings are accessible through your PayPal or WeChat account, and QuantumCloud also supports multiple exchange methods, including Steam. In addition, QuantumCloud doesn't collect any personal data, so your privacy stays protected. Get started right away with just one click!

#### Pair with a PSU

Use our wattage calculator to estimate how much power you'll need to fuel your rig and then pick a compatible ROG Thor, ROG Loki, or ROG Strix AURA PSU for ultimate performance.

#### Free 1 Month of Adobe Creative Cloud

Get complimentary membership with the purchase of selected ASUS products.\*

## Zusammenfassung

---

#### Built TUF

NVIDIA Ada Lovelace architecture elevated by buffed cooling and power delivery, and backed with an arsenal of rugged reinforcements to cover your six. Lock, load, and dominate with the TUF Gaming GeForce RTX™ 4090.

#### The Ultimate Platform for Gamers and Creators

Powered by GeForce RTX 40 Series and DLSS 3

#### New Streaming Multiprocessors

Up to 2x performance and power efficiency

#### Fourth-Gen Tensor Cores

Up to 4x performance with DLSS 3 vs. brute-force rendering

#### Third-Gen RT Cores

Up to 2x ray tracing performance

#### AXIAL-TECH UPGRADES

##### Air Superiority

TUF Gaming cards leverage our tried-and-true Axial-tech fan design, with three fans working in tandem to satisfy the thermal demands of NVIDIA's new high-octane design. The fans rely on dual ball fan bearings to ensure consistent performance and increased longevity compared to sleeve bearings and other bearing types.

#### NEW DIRECTION

##### Well-maintained Formation

The two side fans spin counterclockwise to minimize turbulence and maximize air dispersion through the heatsink. All three fans come to a standstill when GPU temps are below 50 Celsius, letting you play less-demanding games or perform light tasks in relative silence. Fans start up again when temps are over 55 Celsius, referencing a speed curve that balances performance and acoustics for work or play.

#### 3.2-SLOT DESIGN

##### Phase That Blaze

A generously sized heatsink efficiently soak up heat from the GeForce RTX 4090 GPU so that it can be whisked away by the three Axial-tech fans.

LOCK, LOAD, AND LET THE PERFORMANCE FLOW

The GeForce RTX 4090 gloriously presented on a backdrop of low noise and rugged durability.

AUTO-EXTREME TECHNOLOGY

RELIABILITY BOOST

Auto-Extreme Technology is an automated manufacturing process that sets new standards in the industry by allowing all soldering to be completed in a single pass. This reduces thermal strain on components and avoids the use of harsh cleaning chemicals, resulting in less environmental impact, lower manufacturing power consumption, and a more reliable product overall.

AURA SYNC

Light ‘em Up!

Aura-compatible ARGB lighting on the shroud adds a dash of customizable color or functional effects to your build. Pair up with a vast range of compatible system components and coordinate the glow to create a theme that’s uniquely you.

GPU Tweak III

ASUS GPU Tweak III is more intuitive and feature-rich than ever before. A revamped interface offers greater accessibility by integrating core functions into a centralized dashboard, and our Voltage-Frequency tuner has been overhauled to make overclocking even easier. Additional goodies like 0dB fan technology, automatic profile swapping, a fully customizable on-screen display, and logging capabilities ensure that you get the most out of your graphics card.

QuantumCloud

QuantumCloud is a safe and easy-to-use application that lets you effortlessly earn extra money by sharing your graphics card’s computing power. Earnings are accessible through your PayPal or WeChat account, and QuantumCloud also supports multiple exchange methods, including Steam. In addition, QuantumCloud doesn’t collect any personal data, so your privacy stays protected. Get started right away with just one click!

Pair with a PSU

Use our wattage calculator to estimate how much power you’ll need to fuel your rig and then pick a compatible ROG Thor, ROG Loki, or ROG Strix AURA PSU for ultimate performance.

Free 1 Month of Adobe Creative Cloud

Get complimentary membership with the purchase of selected ASUS products.\*

ASUS TUF Gaming TUF-RTX4090-O24G-OG-GAMING, GeForce RTX 4090, 24 GB, GDDR6X, 384 bit, 7680 x 4320 pixels, PCI Express 4.0

ASUS TUF Gaming TUF-RTX4090-O24G-OG-GAMING. Graphics processor family: NVIDIA, Graphics processor: GeForce RTX 4090. Discrete graphics card memory: 24 GB, Graphics card memory type: GDDR6X, Memory bus: 384 bit. Maximum resolution: 7680 x 4320 pixels. OpenGL version: 4.6. Interface type: PCI Express 4.0. Cooling type: Active, Number of fans: 3 fan(s), Illumination colour: Multi

Merkmale

Packaging content		Ports & interfaces	
Manual	Yes	Interface type	PCI Express 4.0
		HDMI ports quantity	2
		HDMI version	2.1a
		DisplayPorts quantity	3
		DisplayPort version	1.4a
Power		Performance	
Minimum system power supply	850 W	TV tuner integrated	No
Supplementary power connectors	1x 16-pin	OpenGL version	4.6
		HDCP	Yes
		HDCP version	2.3
		Dual Link DVI	No
		NVIDIA G-SYNC	Yes
Memory			
Discrete graphics card memory	24 GB		

Graphics card memory type	GDDR6X
Memory bus	384 bit
Data transfer rate	21 Gbit/s

Weight & dimensions

Weight	1.7 kg
Length	325.9 mm
Depth	62.8 mm
Height	140.2 mm

Packaging data

Package width	534 mm
Package depth	265 mm
Package height	85 mm
Package weight	2.7 kg
Package type	Box

Design

Cooling type	Active
Cooling technology	ASUS Axial-tech
Number of fans	3 fan(s)
Form factor	Full-Height/Full-Length (FH/FL)
Number of slots	3.2
Illumination	Yes
Illumination colour	Multi
Product colour	Black

Processor

CUDA	Yes
CUDA cores	16384
Graphics processor family	NVIDIA
Graphics processor	GeForce RTX 4090
Processor boost clock speed	2565 MHz
Processor boost clock speed (OC mode)	2595 MHz
Maximum resolution	7680 x 4320 pixels
Parallel processing technology support	Not supported
Maximum displays per videocard	4

Preisänderungen und Irrtümer vorbehalten. Alle Produkte solange der Vorrat reicht.