



# TUF-RTX4090-O24G-GAMING

## Armed For Flow

### ASUS innovations

*The Ultimate Platform for Gamers and Creators  
Powered by GeForce RTX 40 Series*

**NVIDIA Ada Lovelace Streaming Multiprocessors** Up to 2x performance and power efficiency

**Fourth-Gen Tensor Cores** Up to 2x AI performance

**Third-Gen RT Cores** Up to 2x ray tracing performance



#### ■ COOLING

A Die-cast shroud and aluminum backplate optimized for airflow work in tandem with redesigned Axial-tech fans that shift 23% more air, keeping noise levels down and GPU temperatures under tight control

#### ■ DURABILITY

Long-Life capacitors, dual ball fan bearings, and an automated manufacturing process ensure long-term reliability for your gaming build



TUF GAMING

### ■ AESTHETICS

A dash of Aura RGB lighting shines through the TUF logo, adding a layer of personalization through a range of decorative and functional effects

### ■ SOFTWARE

Hardware and software come together to let you fully customize your experience and get the most out of your graphics card. GPU Tweak III allows for hardware tweaking and monitoring, and QuantumCloud utilizes your spare GPU computing power to generate passive income

## ASUS Features

**24** <sup>GDDR6X</sup>  
**GB**  
Memory

**24GB GDDR6X Memory:** On-board memory for the best gaming experience & the best resolution.

**OC**  
Edition

**OC Edition:** **TBD MHz** GPU boost clock in OC mode for outstanding gaming experience.

## NV Features

### 8K HDR GAMING



Connect, play, capture, and watch in brilliant HDR at resolutions up to 8K with GeForce RTX 3090 or RTX 3090 Ti. Capture up to 8K HDR footage with the GeForce Experience™ ShadowPlay™ feature and play back smoothly with AV1 decode.

### Virtual Reality



The highest performance graphics deliver the smoothest, most immersive VR experiences.

### NVIDIA G-SYNC



Get smooth, tear-free gameplay at high refresh rates, plus HDR and more. This is the ultimate gaming display and the go-to equipment for enthusiast gamers.



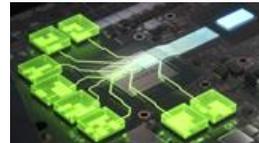
### GeForce Experience

Capture and share videos, screenshots, and live streams with friends. Keep your drivers up to date and optimize your game settings. GeForce Experience lets you do it all. It's the essential companion to your GeForce graphics card.



### Game Ready Drivers

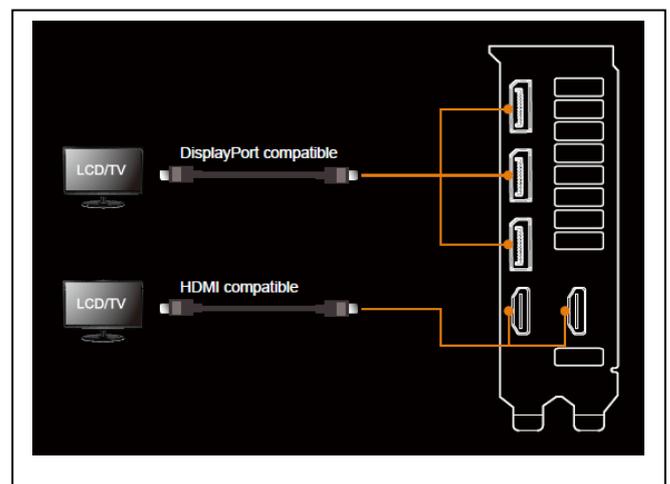
GeForce Game Ready Drivers deliver the best experience for your favorite games. They're finely tuned in collaboration with developers and extensively tested across thousands of hardware configurations for maximum performance and reliability.



### Resizable BAR

Resizable BAR is an advanced PCI Express feature that enables the CPU to access the entire GPU frame buffer at once, improving performance in many games.

## I/O Specifications





## Specifications

|                                    |  |
|------------------------------------|--|
| <b>Model name</b>                  | <b>TUF-RTX4090-O24G-GAMING</b>   |
| Graphics Engine                    | NVIDIA® GeForce RTX® 4090  |
| CUDA cores                         | TBD  |
| OpenGL®                            | OpenGL® 4.6  |
| Engine Clock                       | TBD  |
| Memory Interface                   | 384 bit  |
| Video Memory                       | 24 GB GDDR6X   |
| Memory Speed                       | TBD  |
| Power Connector                    | 1 x 16-pin   |
| I/O                                | 2 x Native HDMI 2.1a<br>3 x Native DisplayPort 1.4a  |
| HDCP Compliant                     | HDCP 2.3   |
| Digital Max. Resolution            | 7680 x 4320  |
| Maximum Display Support            | 4  |
| NVLink/ Crossfire Support          | NA   |
| Recommended PSU                    | 1000 W   |
| Bus Standard                       | PCIe 4.0   |
| What's in the box                  | 1 x Collection Card<br>1 x Speedsetup Manual<br>1 x Adapter Cable<br>1 x TUF Graphics Card Holder<br>1 x TUF Velcro Hook & Loop<br>1 x Thank you Card  |
| Software Bundled                   | ASUS GPU Tweak II & GeForce Game Ready Driver & Studio Driver: please download all software from the support site.   |
| Slot                               | 3.65 slot  |
| <b>Dimension</b>                   |  |
| Card Size (cm/inch)                | 348.2 x 160 x 72.6 mm  |
| Color Box (mm)                     | 425.9 *266 *99mm   |
| <b>Weight</b>                      |  |
| Single Card (KG)                   | 2.34 kg  |
| Product Weight (with packing) (KG) | 3.36 kg  |
| Note                               | <p>* Our wattage recommendation is based on a fully overclocked GPU and CPU system configuration. For a more tailored suggestion, please use the "Choose By Wattage" feature on our PSU product page: <a href="https://rog.asus.com/event/PSU/ASUS-Power-Supply-Units/index.html">https://rog.asus.com/event/PSU/ASUS-Power-Supply-Units/index.html</a></p> <p>* All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets. If you do not use the latest and current specifications of ASUS products, you shall be liable for all loss and damage claimed by third party to ASUS based on false advertising or any other issues caused from using false specifications of ASUS products.</p> |



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