



TUF-RTX4080-16G-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



■ 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

16GB GDDR6X
Memory

16GB GDDR6X Memory:
On-board memory for the best gaming experience & the best resolution.

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

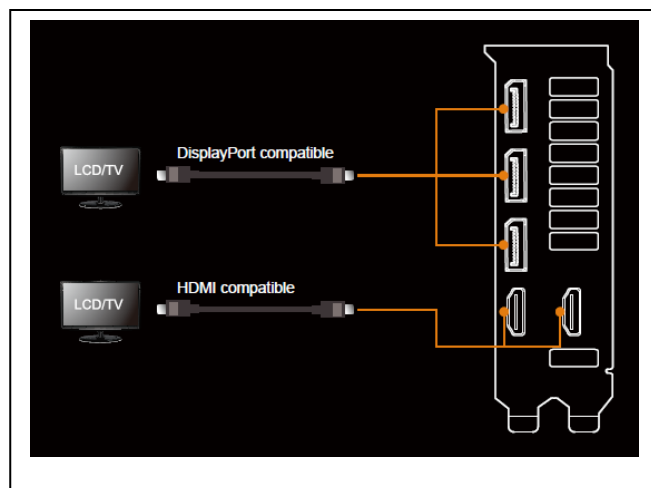
GeForce Game Ready Drivers deliver the best experience for your favorite games. They're finely tuned in collaboration with developers and extensively tested across thousands of hardware configurations for maximum performance and reliability.



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

Model name	TUF-RTX4080-16G-GAMING
Graphics Engine	NVIDIA® GeForce RTX® 4080
CUDA cores	TBD
OpenGL®	OpenGL® 4.6
Engine Clock	TBD
Memory Interface	256 bit
Video Memory	16 GB GDDR6X
Memory Speed	TBD
Power Connector	1 x 16-pin
I/O	2 x Native HDMI 2.1a 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	750 W
Bus Standard	PCIe 4.0
What's in the box	1 x Collection Card 1 x Speedsetup Manual 1 x Adapter Cable 1 x TUF Graphics Card Holder 1 x TUF Velcro Hook & Loop 1 x Thank you Card
Software Bundled	ASUS GPU Tweak III & GeForce Game Ready Driver & Studio Driver: please download all software from the support site.
Slot	3.65 slot
Dimension	
Card Size (cm/inch)	348.2 x 150 x 72.6 mm
Color Box (mm)	425.9 *266 *99mm
Weight	
Single Card (KG)	1.969 kg
Product Weight (with packing) (KG)	2.989 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: https://rog.asus.com/event/PSU/ASUS-Power-Supply-Units/index.html</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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