

ASUS TUF Gaming GeForce RTX™ 4080 16GB GDDR6X OC Edition optimized inside and out for lower temps and durability.



- **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
- **Axial-tech fans** scaled up to deliver 23% more airflow
- **Dual Ball Fan Bearings** last up to twice as long as conventional designs
- **Military-grade Capacitors** rated for 20K hours at 105C make the GPU power rail more durable
- **Metal Exoskeleton** adds structural rigidity and vents to increase heat dissipation
- **Auto-Extreme** precision automated manufacturing for higher reliability
- **GPU Tweak III** software provides intuitive performance tweaking, thermal controls, and system monitoring



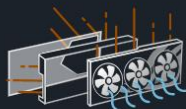


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ARMED FOR FLOW

NVIDIA Ada Lovelace architecture elevated by buffed cooling and power delivery, and backed with an arsenal of rugged reinforcements to cover your six.

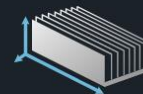
Lock, load, and dominate with the TUF Gaming GeForce RTX™ 4080.



Vented Exoskeleton



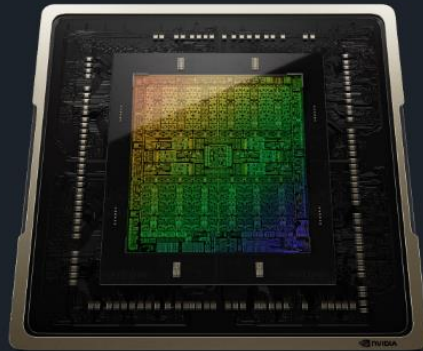
Larger Axial-tech Fans



Massive Heatsinks

The Ultimate Platform for Gamers and Creators

Powered by GeForce RTX 40 Series



New 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



Cutting-Edge GPUs

NVIDIA Ada Lovelace
architecture



Realistic and Immersive Graphics

Dedicated Ray Tracing Cores



AI-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

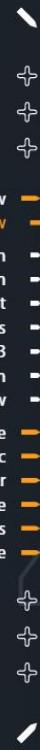
Game Ready and Studio
Drivers



TUF GAMING

GEFORCE RTX

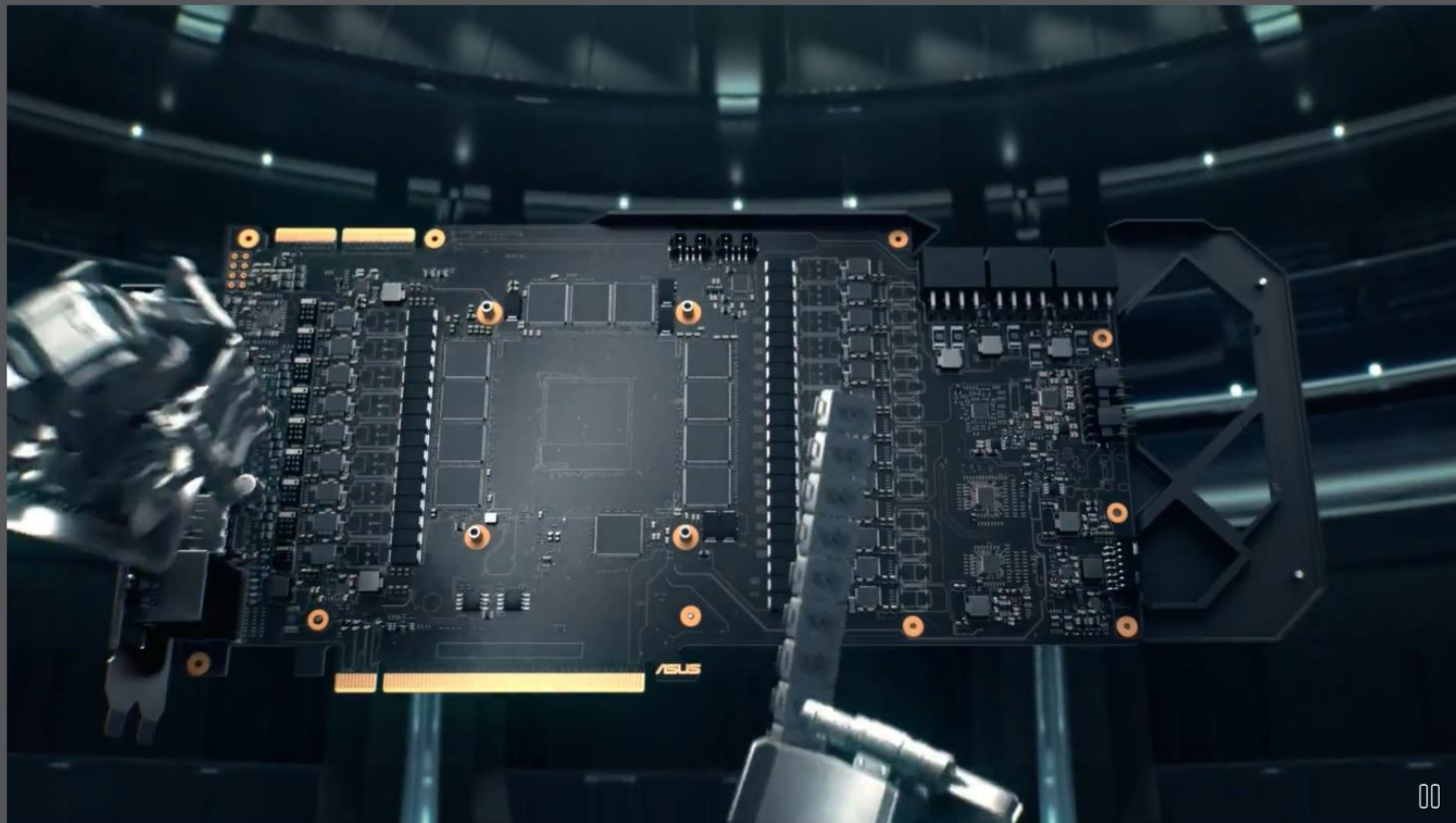
- Overview
- Exploded View
- Axial-tech
- New Direction
- 3.65-slot
- 20K Capacitors
- Compact PCB
- Exoskeleton
- Flow
- Auto-Extreme
- Aura Sync
- Card Holder
- Software
- PSU Options
- Adobe Bundle



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.



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AURA SYNC

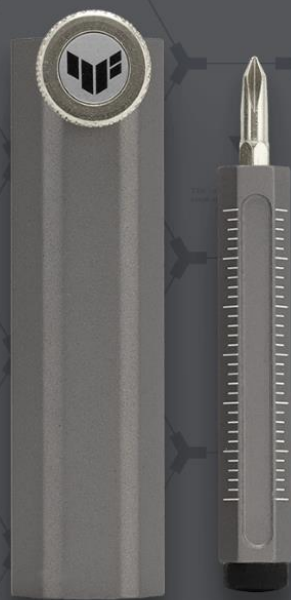
Light 'em Up!

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.



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GRAPHICS CARD HOLDER

Pillar of Support

The bundled graphics card holder banishes sag and also contains a screwdriver to help you build.

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Graphic Engine

NVIDIA® GeForce RTX® 4080

Bus Standard

PCI Express 4.0

OpenGL

OpenGL®4.6

Video Memory

16GB GDDR6X

Engine Clock

OC mode: 2625 MHz

Default mode: 2595 MHz(Boost Clock)

CUDA Core

9728

Memory Speed

22.4 Gbps

Memory Interface256-bit

ResolutionDigital Max Resolution 7680 x 4320

Interface

Yes x 2 (Native HDMI 2.1a)
Yes x 3 (Native DisplayPort 1.4a)
HDCP Support Yes (2.3)

Maximum Display Support4

NVlink/ Crossfire SupportNo

Accessories

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

ASUS GPU Tweak III & GeForce Game Ready Driver & Studio Driver: please download all software from the support site.

Dimensions348.2 x 150 x 72.6 mm

Recommended PSU

750W

Power Connectors

1 x 16-pin

Slot

3.65 slot

AURA SYNC

ARGB

Note

* 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>

* 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.



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- All specifications are subject to change without notice. Please check with your supplier for exact offers. Products may not be available in all markets.
- Specifications and features vary by model, and all images are illustrative. Please refer to specification pages for full details.
- PCB color and bundled software versions are subject to change without notice.
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