TUF-RTX5080-O16G-GAMING

Game TUF. Built to Last.

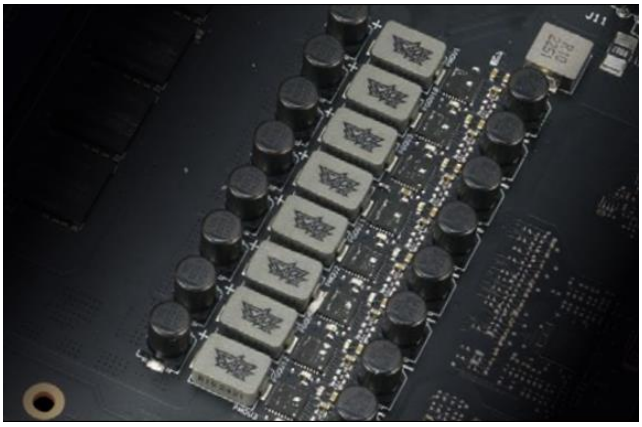
ASUS innovations

■ DURABILITY

Military-graded chokes, MOSFETs and capacitors, phase-change GPU thermal pad, a protective PCB coating and dual-ball fan bearings help ensure long-term durability for your gaming build.

■ COOLING

ASUS MaxContact design, a vapor chamber and a vented backplate optimized for airflow work in tandem with Axial-tech fans to drive air through the entire array, keeping noise levels down and GPU temperatures under tight control.



*For illustration only

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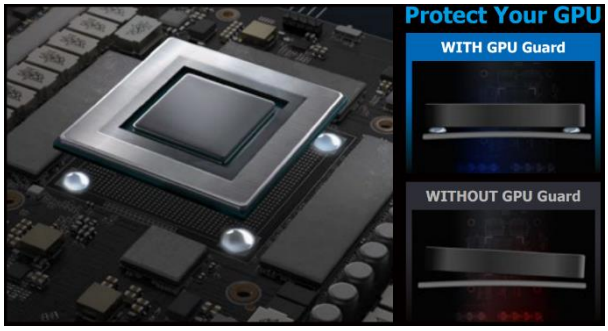
■ RELIABILITY

Auto-Extreme Technology is an automated manufacturing process that helps ensure reliability. ASUS GPU Guard and a steel GPU bracket reinforce the die, and a 304 steel rear I/O bracket provides firm mounting.



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■ SOFTWARE

GPU Tweak III empowers hardware tweaking and monitoring, while the bundled MuseTree and 1-month Adobe Creative Cloud trial* kickstart your creative journey.

* Limited-time bundle. Promotion period may change without notice.

ASUS Features

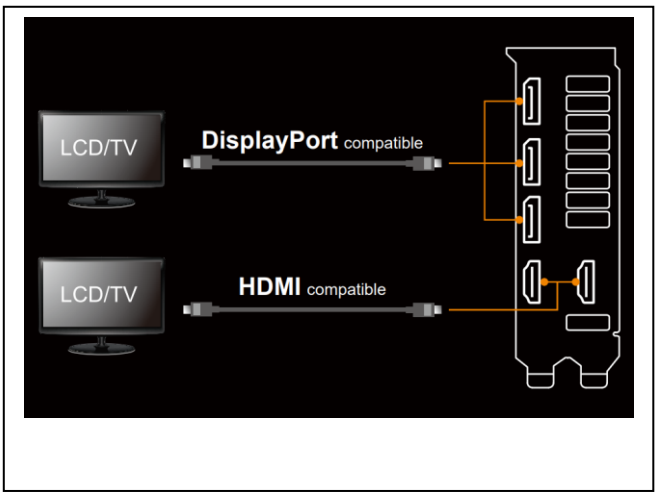
16GB GDDR7 Memory

16GB GDDR7 Memory: On-board memory for the best gaming experience & the best resolution.

OC Edition

OC Edition: **2730 MHz** GPU boost clock in OC mode for outstanding gaming experience.

I/O Specifications



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Specifications

Model name	TUF-RTX5080-O16G-GAMING
Graphics Engine	NVIDIA® GeForce RTX™ 5080
CUDA cores	10752
OpenGL®	OpenGL® 4.6
Engine Clock	OC mode: 2730 MHz Default mode: 2700 MHz(Boost clock)
Memory Interface	256 bit
Video Memory	16 GB GDDR7
Memory Speed	30 Gbps
AI Performance	1858
Power Connector	1 x 16-pin
I/O	2 x Native HDMI 2.1b 3 x Native DisplayPort 2.1b
HDCP Compliant	HDCP 2.3
Digital Max. Resolution	7680 x 4320
Maximum Display Support	4
NVLink/ Crossfire Support	NA
Recommended PSU	850 W
Bus Standard	PCIE 5.0
What's in the box	1 x Speedsetup Manual 1 x TUF Graphics Card Holder 1 x TUF Velcro Hook & Loop 1 x TUF Magnet 1 x TUF Gaming Certificate 1 x Thank You Card 1 x Adapter Cable (1 to 3)
Software Bundled	ASUS GPU Tweak III & MuseTree & GeForce Game Ready Driver & Studio Driver: please download all software from the support site.
Slot	3.6 slot
Dimension	
Card Size (cm/inch)	348 x 146 x 72 mm 13.7 x 5.7 x 2.8 inch
Color Box (mm)	425.9 *266 *99 mm
Weight	
Single Card (KG)	1.94 kg
Product Weight (with packing) (KG)	3.01 kg
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. * Maximum Display Support is specifically applied to simultaneous display situation.
Certifications	■ FCC ■ CE ■ C-TICK ■ BSMI ■ KCC ■ VCCI

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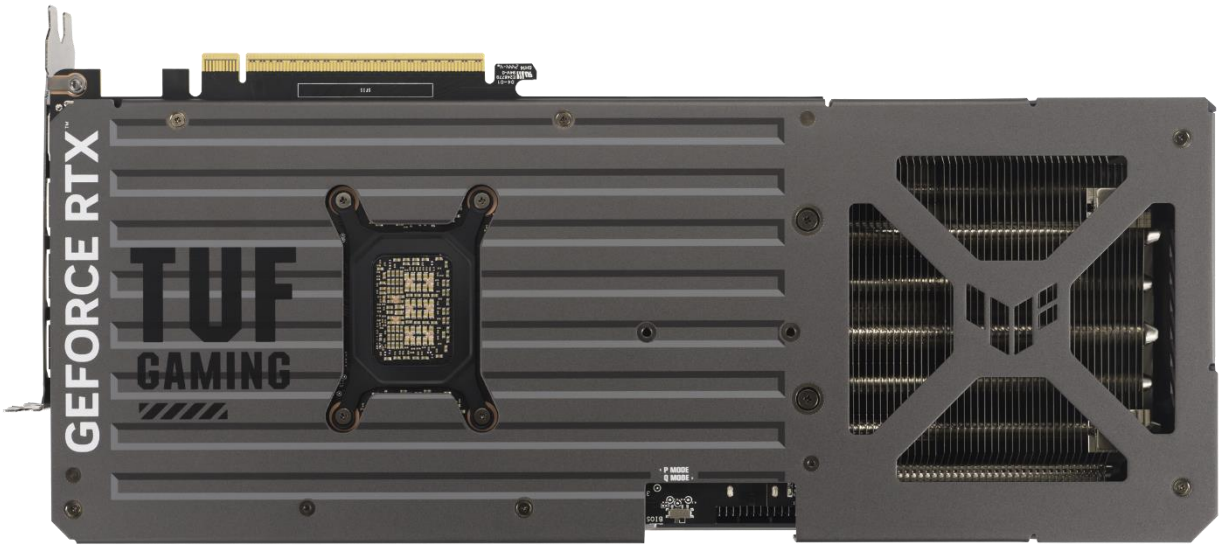

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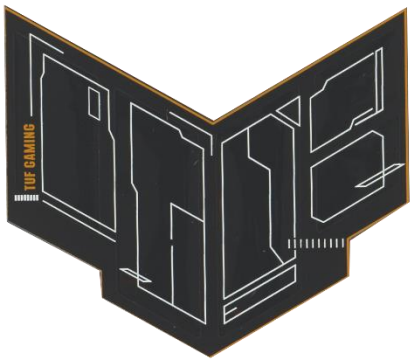
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