



ROG-ASTRAL-RTX5090-O32G-GAMING

Ascend to Celestial Brilliance

ASUS innovations

Powered by the NVIDIA Blackwell architecture and DLSS 4



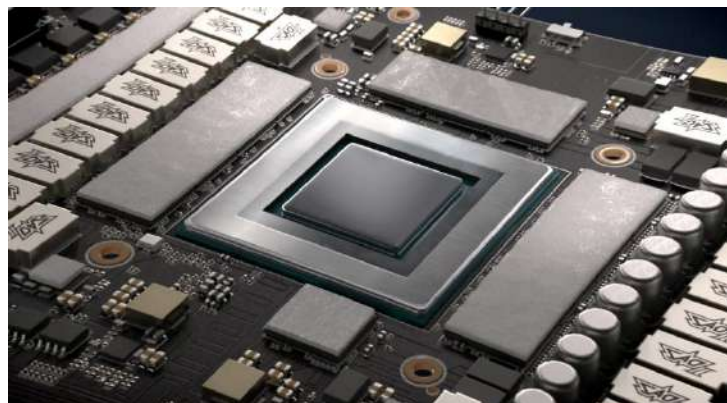
■ COOLING

A quad-fan design boosts air pressure by up to 20%, while a patented vapor chamber, larger heatpipes, optimized fin spacing and phase change GPU thermal pad create efficient heat transfer and superior cooling.



■ PREMIUM POWER DELIVERY

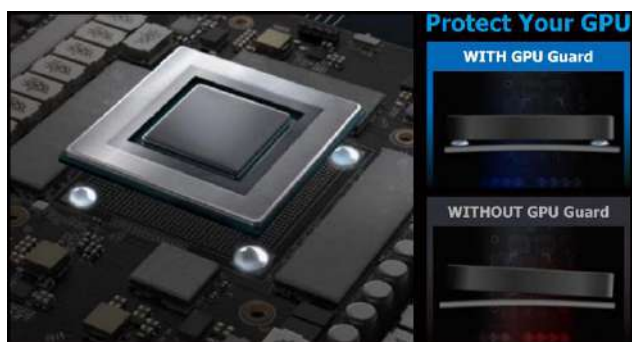
Powerful 80-amp MOSFETs deliver over 35% more headroom compared to the reference design. This helps ensure enhanced performance, stability and higher overclocking potential.





■ RELIABILITY

ASUS GPU Guard technology secures all four corners of the GPU to prevent cracks, while the GPU bracket ensures stable mounting. A full-metal diecast frame, shroud and backplate brace the PCB for rigidity.



*For illustration only

■ SOFTWARE

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



* Limited-time bundle. Promotion period may change

aASUS Features

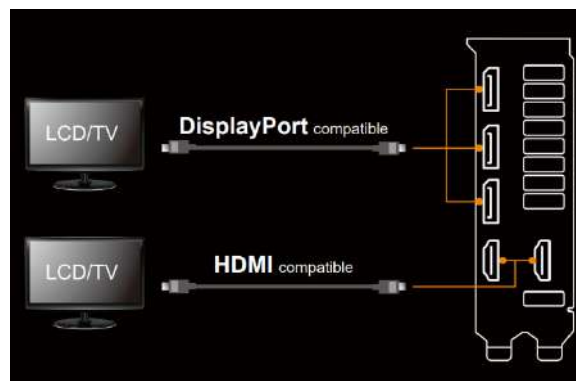
32GB GDDR7
Memory

32GB GDDR7 Memory:
On-board memory for the best gaming experience & the best resolution.

OC
Edition

OC Edition:
2610 MHz GPU boost clock in OC mode for outstanding gaming experience.

I/O Specifications





Specifications

Model name	ROG-ASTRAL-RTX5090-O32G-GAMING
Graphics Engine	NVIDIA® GeForce RTX™ 5090
CUDA cores	21760
OpenGL®	OpenGL® 4.6
Engine Clock	OC mode: 2610 MHz Default mode: 2580 MHz(Boost clock)
Memory Interface	512 bit
Video Memory	32GB GDDR7
Memory Speed	28 Gbps
AI Performance	3,593 TOPs
Power Connector	1 x 16-pin
I/O	2 x Native HDMI 2.1b 3 x Native DisplayPort 2.1a
HDCP Compliant	HDCP 2.3
Digital Max. Resolution	7680 x 4320
Maximum Display Support	4
NVLink/ Crossfire Support	NA
Recommended PSU	1000W
Bus Standard	PCIe 5.0
What's in the box	1 x Speedsetup Manual 1 x ROG Graphics Card Holder 1 x ROG Velcro Hook & Loop 1 x ROG Magnet 1 x ROG Graphics Card Keycap 1 x ROG PCB Ruler 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	3.8 slot
Dimension	
Card Size (cm/inch)	357.6 x 149.3 x 76 mm 14.1 x 5.9 x 3 inch
Color Box (mm)	420 *226 *126 mm
Weight	
Single Card (KG)	3.01kg
Product Weight (with packing) (KG)	4.45kg
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



