ASUS ROG Astral - -RTX5090-O32G-BTF-GAMING NVIDIA GeForce RTX 5090 32 GB GDDR7

Brand : ASUS

Product family: ROG

Product code: 90YV0NF0-M0AA00

Product name : ROG-ASTRAL-RTX5090-O32G-BTF-GAMING

NVIDIA GeForce RTX 5090 32GB GDDR7, 3352 TOPs, PCI Express 5.0, 28 Gbps, 512-bit, 1000W, 3.8 Slot

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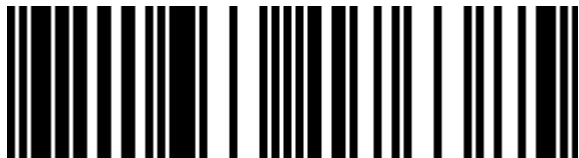
The Final Frontier
The ROG Astral GeForce RTX 5090 BTF Edition is engineered for unparalleled performance and flexibility. Featuring the latest BTF technology, it incorporates an innovative detachable graphics card high-power (GC-HPWR) adapter withstand up to 1000 watts, whose detachable design ensures compatibility with both standard and BTF motherboards.

To keep this powerhouse cool, the ROG Astral RTX 5090 BTF boasts a quad-fan design, complemented by a patented vapor chamber, increased heatsink fin density, and a phase-change GPU thermal pad. These advanced cooling solutions, combined with towering default clock speeds and boosted power delivery, ensure it's ready to conquer even the most demanding gaming scenarios.

Processor

CUDA *	✔
CUDA cores	21760
Graphics processor family *	NVIDIA
Graphics processor *	GeForce RTX 5090
Processor boost clock speed	2580 MHz
Processor frequency (OC mode)	2610 MHz
Maximum resolution *	7680 x 4320 pixels
Parallel processing technology support *	Not supported
Maximum displays per videocard	4

Memory

Discrete graphics card memory *	32 GB
Graphics card memory type *	GDDR7
Memory bus *	512 bit
Data transfer rate	28 Gbit/s

Ports & interfaces

Interface type *	PCI Express 5.0
HDMI ports quantity *	2
HDMI version	2.1b
DisplayPorts quantity *	3
DisplayPort version	2.1b

Performance

TV tuner integrated *	✘
OpenGL version *	4.6

Performance

HDCP	✔
HDCP version	2.3
Dual Link DVI *	✘
NVIDIA G-SYNC	✔
NPU performance up to	3352 TOPs
Overclocked (OC) edition	✔

Design

Cooling type *	Active
Cooling technology	ASUS Axial-tech
Number of fans	4 fan(s)
Form factor	Full-Height/Full-Length (FH/FL)
Number of slots	3.8
Illumination	✔
Illumination colour	Multi
Product colour	Black, Grey

Power

Minimum system power supply *	1000 W
Supplementary power connectors	1x 16-pin

Weight & dimensions

Length	357.6 mm
Depth	76 mm
Height	149.3 mm

Packaging data

Package type	Box

Packaging content

Manual	✔

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