



# ASUS TUF Gaming TUF-RTX4090-24G-OG-GAMING NVIDIA GeForce RTX 4090 24 GB GDDR6X

**Brand :** ASUS

**Product family:** TUF Gaming

**Product code:** 90YV0IY2-M0NA00

**Product name :** TUF-RTX4090-24G-OG-GAMING



- Powered by NVIDIA DLSS3, ultra-efficient Ada Lovelace arch, and full ray tracing
  - 4th Generation Tensor Cores: Up to 4x performance with DLSS 3 vs. brute-force rendering
  - 3rd Generation RT Cores: Up to 2X ray tracing performance
  - Axial-tech fan design has been tuned with a reversed central fan direction for less turbulence
  - 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
  - Auto-Extreme precision automated manufacturing for higher reliability
  - GPU Tweak III software provides intuitive performance tweaking, thermal controls, and system monitoring
- TUF Gaming GeForce RTX™ 4090 24GB GDDR6X OG Edition with DLSS 3, lower temps, and enhanced durability

Processor		Performance	
CUDA *	✓	HDCP	✓
CUDA cores	16384	HDCP version	2.3
Graphics processor family *	NVIDIA	Dual Link DVI *	✗
Graphics processor *	GeForce RTX 4090	NVIDIA G-SYNC	✓
Processor boost clock speed	2520 MHz	NVIDIA Ansel	✓
Processor boost clock speed (OC mode)	2550 MHz	Design	
Maximum resolution *	7680 x 4320 pixels	Cooling type *	Active
Parallel processing technology support *	Not supported	Cooling technology	ASUS Axial-tech
Maximum displays per videocard	4	Number of fans	3 fan(s)
Memory		Form factor	Full-Height/Full-Length (FH/FL)
Discrete graphics card memory *	24 GB	Number of slots	3.2
Graphics card memory type *	GDDR6X	Illumination	✓
Memory bus *	384 bit	Illumination colour	Multi
Memory bandwidth (max)	21 GB/s	Product colour	Black
Ports & interfaces		Power	
Interface type *	PCI Express 4.0	Minimum system power supply *	850 W
HDMI ports quantity *	2	Supplementary power connectors	1x 16-pin
HDMI version	2.1a	Weight & dimensions	
DisplayPorts quantity *	3	Weight	1.7 kg
DisplayPort version	1.4a	Depth	325.9 mm
Performance		Height	62.8 mm
TV tuner integrated *	✗	Width	140.2 mm
DirectX version *	12 Ultimate	Packaging data	
OpenGL version *	4.6	Package width	534 mm
		Package depth	265 mm
		Package height	85 mm
		Package weight	2.7 kg
		Package type	Box



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