



# ASUS TUF Gaming TUF-RTX4070-O12G-GAMING NVIDIA GeForce RTX 4070 12 GB GDDR6X

**Brand :** ASUS

**Product family:** TUF Gaming

**Product code:** 90YV0I20-M0NA00

**Product name :** TUF-RTX4070-O12G-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
  - OC mode: 2580 MHz (OC mode)/ 2550 MHz (Default mode)
  - Axial-tech fans scaled up for 21% 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
  - Vented exoskeleton adds structural rigidity and vents to increase heat reliability
  - 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 4070 12GB GDDR6X OC Edition with DLSS 3, lower temps, and enhanced durability



Processor		Performance	
CUDA *	✓	HDCP	✓
CUDA cores	5888	HDCP version	2.3
Graphics processor family *	NVIDIA	NVIDIA G-SYNC	✓
Graphics processor *	GeForce RTX 4070	AMD FreeSync	✗
Processor boost clock speed	2550 MHz	Design	
Processor frequency (OC mode)	2580 MHz	Cooling type *	Active
Maximum resolution *	7680 x 4320 pixels	Cooling technology	ASUS Axial-tech
Parallel processing technology support *	Not supported	Number of fans	3 fan(s)
Maximum displays per videocard	4	Form factor	Full-Height/Half-Length (FH/HL)
Memory		Number of slots	3.15
Discrete graphics card memory *	12 GB	Illumination	✓
Graphics card memory type *	GDDR6X	Illumination colour	Blue, Green, Red
Memory bus *	192 bit	Product colour	Grey
Data transfer rate	21 Gbit/s	Power	
Ports & interfaces		Minimum system power supply *	650 W
Interface type *	PCI Express 4.0	Supplementary power connectors	1x 8-pin
HDMI ports quantity *	1	Weight & dimensions	
HDMI version	2.1	Weight	968 g
DisplayPorts quantity *	3	Length	301 mm
DisplayPort version	1.4a	Depth	63 mm
		Height	139 mm
Performance		Packaging data	
DirectX version *	12 Ultimate	Package width	420 mm
OpenGL version *	4.6	Package depth	226 mm
		Package height	87 mm
		Package weight	1.73 kg
		Package type	Box



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