## ASUS TUF Gaming TUF-RTX4070TIS-16G-GAMING NVIDIA GeForce RTX 4070 Ti SUPER 16 GB GDDR6X

**Brand:** ASUS **Product family: TUF Gaming** Product code: 90YV0KF1-

Product name: TUF-RTX4070TIS-16G-GAMING M0NA00



- 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 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
- Metal 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 Ti SUPER 16GB GDDR6X with DLSS 3, lower temps, and enhanced durability



Processor  CUDA *				
CUDA cores 8448 DirectX version* 12 Ultimate Graphics processor family* NVIDIA OpenGL version* 4.6 Graphics processor GeForce RTX 4070 Ti SUPER HDCP	Processor		Performance	
Graphics processor family* NVIDIA OpenGL version* 4.6 Graphics processor * GeForce RTX 4070 Ti SUPER HDCP	CUDA *	✓	TV tuner integrated *	×
Graphics processor *       GeForce RTX 4070 Ti SUPER       HDCP       ✓         Processor boost clock speed       2610 MHz       HDCP version       2.3         Processor frequency (OC mode)       2640 MHz       Dual Link DVI *       X         Maximum resolution *       7680 x 4320 pixels       NVIDIA G-SYNC       ✓         Parallel processing technology support*       Not supported       NVIDIA Ansel       ✓         Maximum displays per videocard       4       Cooling type *       Active         Memory       Cooling type *       Active         Number of fans       3 fan(s)       3 fan(s)         Discrete graphics card memory *       16 GB       Form factor       Full-Height/Full-Length (FH/FL)         Graphics card memory type *       GDDR6X       Number of slots       3.25         Memory bus *       256 bit       Illumination       ✓         Data transfer rate       21 Gbit/s       Illumination       ✓         Interface type *       PCI Express 4.0       Product colour       Black         Interface type *       PCI Express 4.0       Power         HDMI version       2.1a       Supplementary power connectors       1x 16-pin         DisplayPort version       1.4a       Weight & dimensions       Depth <td>CUDA cores</td> <td>8448</td> <td>DirectX version *</td> <td>12 Ultimate</td>	CUDA cores	8448	DirectX version *	12 Ultimate
Processor boost clock speed       2610 MHz       HDCP version       2.3         Processor frequency (OC mode)       2640 MHz       Dual Link DVI *       X         Maximum resolution *       7680 x 4320 pixels       NVIDIA G-SYNC       V         Parallel processing technology support *       Not supported       NVIDIA Ansel       V         Design         Maximum displays per videocard       4       Cooling type *       Active         Memory       3 fan(s)       3 fan(s)         Discrete graphics card memory *       16 GB       Form factor       Full-Height/Full-Length (FH/FL)         Graphics card memory type *       GDDR6X       Number of slots       3.25         Memory bus *       21 Gbit/s       Illumination       Multi         Ports & interfaces         Interface type *       PCI Express 4.0       Power         HDMI ports quantity *       2       Supplementary power supply *       750 W         HDMI version       2.1a       Supplementary power connectors       1x 16-pin         DisplayPorts quantity *       3       Depth       305 mm         Height       Height       138 mm         Width       65 mm	Graphics processor family *	NVIDIA	OpenGL version *	4.6
Processor frequency (OC mode)       2640 MHz       Dual Link DVI*       X         Maximum resolution*       7680 x 4320 pixels       NVIDIA G-SYNC       ✓         Parallel processing technology support*       Not supported       NVIDIA Ansel       ✓         Design         Maximum displays per videocard       4       Cooling type *       Active         Memory       3 fan(s)       3 fan(s)         Discrete graphics card memory *       16 GB       Form factor       Full-Height/Full-Length (FH/FL)         Graphics card memory type *       GDDR6X       Number of slots       3.25         Memory bus *       256 bit       Illumination       Multi         Potta transfer rate       21 Gbit/s       Illumination colour       Multi         Product colour       Multi         Product colour       Black         Product colour       18 Jack         Interface type *       PCI Express 4.0       Power         HDMI ports quantity *       2         LDMI ports quantity *       2       Supplementary power connectors       1x 16-pin         DisplayPort version       1.4a       Power       Power         Product Administration Supplementary power connector	Graphics processor *	GeForce RTX 4070 Ti SUPER	HDCP	✓
Maximum resolution*       7680 x 4320 pixels       NVIDIA G-SYNC       V         Parallel processing technology support*       Not supported       NVIDIA Ansel       V         Maximum displays per videocard       4       Cooling type *       Active         Memory       Cooling type *       Active         Number of fans       3 fan(s)       3 fan(s)         Discrete graphics card memory *       16 GB       Form factor       Full-Height/Full-Length (FH/FL)         Graphics card memory type *       GDDR6X       Number of slots       3.25         Memory bus *       256 bit       Illumination       V         Data transfer rate       21 Gbit/s       Illumination colour       Multi         Product colour       Black         Interface type *       PCI Express 4.0       Power         HDMI ports quantity *       2       Supplementary power connectors       1x 16-pin         DisplayPorts quantity *       3       Supplementary power connectors       1x 16-pin         DisplayPort version       1.44       Depth       305 mm         Height       Width       65 mm	Processor boost clock speed	2610 MHz	HDCP version	2.3
Parallel processing technology support * Maximum displays per videocard       Not supported       Mesign       Active         Memory       Cooling type * Number of fans       Active         Discrete graphics card memory * Discrete graphics card memory * Discrete graphics card memory type * GDDR6X       Form factor       Full-Height/Full-Length (FH/FL)         Graphics card memory type * GDDR6X       Number of slots       3.25         Memory bus * Data transfer rate       21 Gbit/s       Illumination       ✓         Ports & interfaces       Product colour       Multi         Interface type * HDMI ports quantity *       PCI Express 4.0       Power         HDMI version       2.1a       Supplementary power connectors       1x 16-pin         DisplayPorts quantity *       3       Weight & dimensions         DisplayPort version       1.4a       Weight & dimensions         Depth       138 mm       Middle         Height       138 mm       Middle         Width       65 mm	Processor frequency (OC mode)	2640 MHz	Dual Link DVI *	×
support * Not supported  Maximum displays per videocard 4  Memory  Discrete graphics card memory * 16 GB Graphics card memory type * GDDR6X Memory bus * 256 bit Data transfer rate 21 Gbit/s  Illumination colour Multi  Ports & interfaces  Interface type * PCI Express 4.0  HDMI ports quantity * 2  HDMI version DisplayPorts quantity * 3  DisplayPort version  DisplayPort version  DisplayPort version  Not supported  Active  Full-Height/Full-Length (FH/FL)  Active  Full-Height  Multi  Ports Colour  Black  Power  HDMI ords quantity * 750 W  Active  Ac	Maximum resolution *	7680 x 4320 pixels	NVIDIA G-SYNC	✓
Maximum displays per videocard       4         Memory       Cooling type * Active         Number of fans       3 fan(s)         Discrete graphics card memory *       16 GB       Form factor       Full-Height/Full-Length (FH/FL)         Graphics card memory type *       GDDR6X       Number of slots       3.25         Memory bus *       256 bit       Illumination       Illumination       Illumination         Ports & interfaces       Product colour       Black         Interface type *       PCI Express 4.0       Power         HDMI ports quantity *       2       Minimum system power supply *       750 W         HDMI version       2.1a       Supplementary power connectors       1x 16-pin         DisplayPorts quantity *       3       Weight & dimensions         DisplayPort version       1.4a       Depth       305 mm         Height       Hight       Hight       Hight       Hight         Width       65 mm       Packaging data		Not supported		✓
MemoryCooling type * Number of fansActiveDiscrete graphics card memory *16 GBForm factorFull-Height/Full-Length (FH/FL)Graphics card memory type *GDDR6XNumber of slots3.25Memory bus *256 bitIllumination✓Data transfer rate21 Gbit/sIllumination colourMultiPorts & interfacesInterface type *PCI Express 4.0PowerHDMI ports quantity *2Minimum system power supply * Supplementary power connectors750 WHDMI version2.1aSupplementary power connectors1x 16-pinDisplayPorts quantity *3Weight & dimensionsDisplayPort version1.4aDepth305 mmHeight Height Width138 mm400 mmWidth65 mm		4	Design	
Discrete graphics card memory * 16 GB Form factor Full-Height/Full-Length (FH/FL) Graphics card memory type * GDDR6X Number of slots 3.25  Memory bus * 256 bit Illumination			9 7.	
Interface type * PCI Express 4.0 Power  HDMI ports quantity * 2 Minimum system power supply * 750 W  HDMI version 2.1a Supplementary power connectors 1x 16-pin  DisplayPorts quantity * 3  DisplayPort version 1.4a Pepth 305 mm  Height Height Width 65 mm  Packaging data	Graphics card memory type * Memory bus *	GDDR6X 256 bit	Number of slots Illumination	✓
HDMI ports quantity * 2 HDMI version 2.1a Supplementary power connectors 1x 16-pin DisplayPorts quantity * 3 DisplayPort version 1.4a Depth 4 dimensions 138 mm Height Width 65 mm  Packaging data 750 W  1x 16-pin	Ports & interfaces		Product colour	Black
HDMI version 2.1a Supplementary power connectors 1x 16-pin  DisplayPorts quantity * 3  DisplayPort version 1.4a Weight & dimensions  Depth 305 mm  Height 138 mm  Width 65 mm  Packaging data	Interface type *	PCI Express 4.0	Power	
DisplayPort version  1.4a    Depth   305 mm     Height   138 mm     Width   65 mm     Packaging data	HDMI version DisplayPorts quantity *	2.1a 3	, , , , , ,	
Depth 305 mm Height 138 mm Width 65 mm  Packaging data			Weight & dimensions	
			Height	138 mm
Package type Box			Packaging data	
			Package type	Box



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