

**ASUS TUF Gaming F15 FX507ZC4-HN220W Intel® Core™ i5
i5-12500H Laptop 39,6 cm (15.6") Full HD 16 GB DDR4-SDRAM 512
GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6 (802.11ax) Windows 11
Home Black, Grey**



Brand : ASUS

Product family: TUF Gaming

Article code: 90NR0GW2-M00JW0

Product name : FX507ZC4-HN220W

ASUS TUF Gaming F15 FX507ZC4-HN220W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12500H. Display diagonal: 39,6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 3050. Operating system installed: Windows 11 Home. Product color: Black, Grey

Design		Audio	
Colour name	Jaeger Gray	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black, Grey	Camera	
Form factor *	Clamshell	Front camera	✓
Market positioning	Gaming	Front camera resolution	1280 x 720 pixels
Display		Front camera HD type	HD
Display diagonal *	39.6 cm (15.6")	Network	
Display resolution *	1920 x 1080 pixels	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Touchscreen *	✗	Wi-Fi standards	Wi-Fi 6 (802.11ax)
HD type	Full HD	Mobile network connection *	✗
Panel type	IPS	Antenna type	2x2
Native aspect ratio	16:9	Ethernet LAN	✓
Anti-glare screen	✓	Ethernet LAN data rates	10,100,1000 Mbit/s
RGB colour space	sRGB	Bluetooth	✓
Colour gamut	62.5%	Bluetooth version	5.2
Maximum refresh rate	144 Hz	Ports & interfaces	
Processor		USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor manufacturer *	Intel	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Processor family *	Intel® Core™ i5	Ethernet LAN (RJ-45) ports	1
Processor generation	12th gen Intel® Core™ i5	HDMI ports quantity *	1
Processor model *	i5-12500H	HDMI version	2.0b
Processor cores	12	Thunderbolt 4 ports quantity	1
Processor boost frequency	4.5 GHz	Intel® Thunderbolt 4	✓
Performance cores	4	Combo headphone/mic port	✓
Efficient cores	8	Power adapter barrel connector	6.0 mm
Performance-core Max Turbo Frequency	4.5 GHz		
Efficient-core Max Turbo Frequency	3.3 GHz		

Processor		Ports & interfaces	
Processor cache	18 MB	USB Type-C DisplayPort Alternate Mode	✓
Processor cache type	Smart Cache		
Processor base power	45 W		
Maximum turbo power	95 W		
Memory		Performance	
Internal memory *	16 GB	Repairability index	7.3
Internal memory type	DDR4-SDRAM		
Memory clock speed	3200 MHz		
Memory form factor	SO-DIMM		
Memory slots	2x SO-DIMM		
Maximum internal memory *	32 GB		
Memory channels	Dual-channel		
Storage		Keyboard	
Total storage capacity *	512 GB	Pointing device	Touchpad
Storage media *	SSD	Numeric keypad *	✓
Total SSDs capacity	512 GB	Keyboard backlit	✓
Number of SSDs installed	1	Keyboard backlit colour	RGB
SSD capacity	512 GB	Keyboard backlit zone	1-zone RGB
SSD interface	PCI Express 3.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics		Software	
Discrete GPU manufacturer	NVIDIA	Operating system architecture	64-bit
Discrete graphics card model *	NVIDIA GeForce RTX 3050	Operating system installed *	Windows 11 Home
Discrete graphics card memory	4 GB		
Discrete graphics memory type	GDDR6		
On-board graphics card *	✓		
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
On-board graphics card model *	Intel Iris Xe Graphics		
Audio		Battery	
Audio system	Dolby Atmos	Battery technology	Lithium-Ion (Li-Ion)
		Number of battery cells	4
		Battery capacity *	56 Wh
		Power	
		AC adapter power	200 W
		AC adapter frequency	50 - 60 Hz
		AC adapter input voltage	100 - 240 V
		AC adapter output current	10 A
		AC adapter output voltage	20 V
		Security	
		Cable lock slot	✓
		Cable lock slot type	Kensington
		Trusted Platform Module (TPM)	✓
		Password protection	✓
		Password protection type	BIOS, User
		Weight & dimensions	
		Width	354 mm
		Depth	251 mm
		Height (front)	2.24 cm
		Height (rear)	2.49 cm
		Weight *	2.2 kg



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