

**ASUS TUF Gaming F15 FX507ZC4-HN089W 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-  
M00VA0

**Product name :** FX507ZC4-  
HN089W

ASUS TUF Gaming F15 FX507ZC4-HN089W. 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® UHD 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	Audio system	Dolby Atmos
Product type *	Laptop	Number of built-in speakers	2
Product colour *	Black, Grey	Built-in microphone	✓
Form factor *	Clamshell	Camera	
Market positioning	Gaming	Front camera	✓
Introduction year	2022	Front camera HD type	HD
Display		Network	
Display diagonal *	39.6 cm (15.6")	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display resolution *	1920 x 1080 pixels	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	Full HD	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 threads	16	Intel® Thunderbolt 4	✓
Processor boost frequency	4.5 GHz	Combo headphone/mic port	✓
Performance cores	4	Power adapter barrel connector	6.0 mm
Efficient cores	8		
Performance-core Max Turbo Frequency	4.5 GHz		

Processor		Ports & interfaces	
Efficient-core Max Turbo Frequency	3.3 GHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	18 MB	<b>Keyboard</b>	
Processor cache type	Smart Cache	Pointing device	Touchpad
Processor base power	45 W	Numeric keypad *	✓
Maximum turbo power	95 W	Keyboard backlit	✓
Memory		Keyboard backlit colour	RGB
Internal memory *	16 GB	Keyboard backlit zone	1-zone RGB
Internal memory type	DDR4-SDRAM	<b>Software</b>	
Memory clock speed	3200 MHz	Operating system architecture	64-bit
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	<b>Battery</b>	
Maximum internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory channels	Dual-channel	Number of battery cells	4
Storage		Battery capacity *	56 Wh
Total storage capacity *	512 GB	<b>Power</b>	
Storage media *	SSD	AC adapter power	200 W
Total SSDs capacity	512 GB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	512 GB	AC adapter output current	10 A
SSD interface	PCI Express 3.0	AC adapter output voltage	20 V
NVMe	✓	<b>Security</b>	
SSD form factor	M.2	Cable lock slot	✓
Optical drive type *	✗	Cable lock slot type	Kensington
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3050	Password protection type	BIOS, User
Discrete graphics card memory	4 GB	<b>Weight &amp; dimensions</b>	
Discrete graphics memory type	GDDR6	Width	354 mm
On-board graphics card *	✓	Depth	251 mm
On-board GPU manufacturer	Intel	Height (front)	2.24 cm
Discrete graphics card *	✓	Height (rear)	2.49 cm
On-board graphics card model *	Intel® UHD Graphics	Weight *	2.2 kg
NVIDIA G-SYNC	✓	<b>Packaging content</b>	
		AC adapter included *	✓

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