

**ASUS TUF Gaming F15 FX507VU-LP150W Intel® Core™ i7
i7-13620H Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 512
GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11
Home Black, Grey**

Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0CJ7-
M00D40

Product name : FX507VU-
LP150W



- Windows 11 Home 64-bit
- Intel Core i7-13620H (24MB Cache)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 16GB (4800MHz) DDR5-SDRAM (2 x 8) & 512GB SSD
Intel Core i7-13620H (24MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS TUF Gaming F15 FX507VU-LP150W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13620H. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Black, Grey



Design		Camera	
Colour name	Mecha Gray	Front camera	✓
Product type *	Laptop	Front camera resolution	1280 x 720 pixels
Product colour *	Black, Grey	Front camera HD type	HD
Form factor *	Clamshell	Network	
Market positioning	Gaming	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Introduction year	2023	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Country of origin	China	Mobile network connection *	✗
Display		Antenna type	2x2
Display diagonal *	39.6 cm (15.6")	Ethernet LAN	✓
Display resolution *	1920 x 1080 pixels	Ethernet LAN data rates	10,100,1000 Mbit/s
Touchscreen *	✗	Bluetooth	✓
HD type	Full HD	Bluetooth version	5.2
Panel type	IPS	Ports & interfaces	
LED backlight	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Native aspect ratio	16:9	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Anti-glare screen	✓	Ethernet LAN (RJ-45) ports	1
Display brightness	250 cd/m²	HDMI ports quantity *	1
RGB colour space	sRGB	HDMI version	2.1
Colour gamut	100%	Thunderbolt 4 ports quantity	1
Maximum refresh rate	144 Hz	Intel® Thunderbolt 4	✓
Contrast ratio (typical)	1000:1	Combo headphone/mic port	✓
Processor		Power adapter barrel connector	6.0 mm
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel® Core™ i7	USB Power Delivery	✓
Processor generation	13th gen Intel® Core™ i7	Keyboard	
Processor model *	i7-13620H	Pointing device	Touchpad
Processor cores	10	Numeric keypad *	✓
Processor boost frequency	4.9 GHz	Keyboard backlit	✓
Performance cores	6	Keyboard backlit colour	RGB
Efficient cores	4	Keyboard backlit zone	1-zone RGB
Performance-core Max Turbo Frequency	4.9 GHz		
Efficient-core Max Turbo Frequency	3.6 GHz		

Processor		Software	
Processor cache	24 MB	Operating system architecture	64-bit
Processor cache type	Smart Cache	Operating system installed *	Windows 11 Home
Processor base power	45 W	Battery	
Maximum turbo power	115 W	Battery technology	Lithium-Ion (Li-Ion)
Memory		Number of battery cells	4
Internal memory *	16 GB	Battery capacity *	90 Wh
Internal memory type	DDR5-SDRAM	Fast charging	✓
Memory clock speed	4800 MHz	Fast charging time (50%)	30 min
Memory form factor	SO-DIMM	Power	
Memory layout (slots x size)	2 x 8 GB	AC adapter power	240 W
Memory slots	2x SO-DIMM	AC adapter frequency	50 - 60 Hz
Maximum internal memory *	32 GB	AC adapter input voltage	100 - 240 V
Storage		AC adapter output current	12 A
Total storage capacity *	512 GB	AC adapter output voltage	20 V
Storage media *	SSD	Security	
Total SSDs capacity	512 GB	Cable lock slot	✓
Number of SSDs installed	1	Cable lock slot type	Kensington
SSD capacity	512 GB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Password protection	✓
NVMe	✓	Password protection type	BIOS, User
SSD form factor	M.2	Sustainability	
Optical drive type *	✗	Sustainability compliance	✓
Graphics		Sustainability certificates	EPEAT Bronze, ENERGY STAR
Discrete GPU manufacturer	NVIDIA	Weight & dimensions	
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Width	354 mm
Discrete graphics card memory	6 GB	Depth	251 mm
Discrete graphics memory type	GDDR6	Height (front)	2.24 cm
On-board graphics card *	✓	Height (rear)	2.49 cm
Discrete graphics card *	✓	Weight *	2.2 kg
On-board graphics card family	Intel® UHD Graphics	Packaging data	
On-board graphics card model *	Intel® UHD Graphics	Package width	103 mm
NVIDIA G-SYNC	✓	Package depth	426 mm
Audio		Package height	312 mm
Audio system	Dolby Atmos	Package weight	3.29 kg
Number of built-in speakers	2	Logistics data	
Built-in microphone	✓	Commodity Classification	
		Automated Tracking System (CCATS)	8471300000



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Publication date: 07-MAY-2024. Prints or copies of Information are only valid on the printed Publication date