



# ASUS TUF Gaming F15 FX506HE-HN001W Laptop 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-11800H 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Ti Wi-Fi 6 (802.11ax) Windows 11 Home Black



**Brand :** ASUS

**Product family:** TUF Gaming

**Product code:** 90NR0704-M00KV0

**Product name :** FX506HE-HN001W

- Windows 11 Home 64-bit  
 - Intel Core i7-11800H (24MB Cache)  
 - 39.6 cm (15.6") Full HD 1920 x 1080, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6)  
 - 16GB (3200MHz) DDR4-SDRAM (2 x 8) & 512GB SSD  
 Intel Core i7-11800H (24MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080, Intel UHD Graphics, NVIDIA GeForce RTX 3050 Ti (4GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit  
 ASUS TUF Gaming F15 FX506HE-HN001W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-11800H. 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 Ti. Operating system installed: Windows 11 Home. Product colour: Black



Design		Network	
Colour name	Graphite Black	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Product type *	Laptop	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Product colour *	Black	Mobile network connection *	✗
Form factor *	Clamshell	Antenna type	2x2
Market positioning	Gaming	Ethernet LAN	✓
Country of origin	China	Ethernet LAN data rates	10,100,1000 Mbit/s
Display		Bluetooth	✓
Display diagonal *	39.6 cm (15.6")	Bluetooth version	5.3
Display resolution *	1920 x 1080 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
HD type	Full HD	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:9	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.0b
Display brightness	250 cd/m <sup>2</sup>	Thunderbolt 4 ports quantity	1
RGB colour space	NTSC	Intel® Thunderbolt 4	✓
Colour gamut	45%	Combo headphone/mic port	✓
Maximum refresh rate	144 Hz	Charging port type	DC-in jack
Contrast ratio (typical)	1000:1	USB Type-C DisplayPort Alternate Mode	✓
Processor		Performance	
Processor manufacturer *	Intel	Repairability index	6.8
Processor generation	11th gen Intel® Core™ i7	Keyboard	
Processor family *	Intel® Core™ i7	Pointing device	Touchpad
Processor model *	i7-11800H	Numeric keypad *	✓
Processor boost frequency	4.6 GHz	Keyboard backlit	✓
Processor cores	8	Keyboard backlit colour	RGB
Processor cache	24 MB	Keyboard backlit zone	1-zone RGB
Processor cache type	Smart Cache		
Motherboard chipset	Intel HM570 Express		

<b>Memory</b>		<b>Software</b>	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR4-SDRAM	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, Xbox Game Pass Ultimate 1 month
Memory clock speed	3200 MHz	Operating system installed *	Windows 11 Home
Memory form factor	SO-DIMM	<b>Battery</b>	
Memory layout (slots x size)	2 x 8 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory slots	2x SO-DIMM	Number of battery cells	3
Maximum internal memory *	32 GB	Battery capacity *	48 Wh
<b>Storage</b>		<b>Power</b>	
Total storage capacity *	512 GB	AC adapter power	180 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	9 A
SSD capacity	512 GB	AC adapter output voltage	20 V
SSD interface	PCI Express 3.0	<b>Security</b>	
NVMe	✓	Cable lock slot	✓
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
<b>Graphics</b>		Password protection type	BIOS, User
Discrete GPU manufacturer	NVIDIA	<b>Weight &amp; dimensions</b>	
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti	Width	359 mm
On-board graphics card *	✓	Depth	256 mm
On-board GPU manufacturer	Intel	Height (front)	2.28 cm
Discrete graphics card *	✓	Height (rear)	2.45 cm
On-board graphics card family	Intel® UHD Graphics	Weight *	2.3 kg
On-board graphics card model *	Intel® UHD Graphics	<b>Packaging data</b>	
Discrete graphics card memory	4 GB	Package width	103 mm
Discrete graphics memory type	GDDR6	Package depth	426 mm
<b>Audio</b>		Package height	312 mm
Built-in microphone	✓	Package weight	4.2 kg
<b>Camera</b>		<b>Logistics data</b>	
Front camera	✓	Commodity Classification	
Front camera HD type	HD	Automated Tracking System (CCATS)	8471300000



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