



# ASUS TUF Gaming F15 FX506HE-HN018W Laptop 39.6 cm (15.6") Full HD Intel® Core™ i7 i7-11800H 8 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-M00JTO

**Product name :** FX506HE-HN018W

- 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)  
 - 8GB (3200MHz) DDR4-SDRAM & 512GB SSD  
 Intel Core i7-11800H (24MB Cache), 8GB 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-HN018W. 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: 8 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		Camera	
Colour name	Graphite Black	Front camera	✓
Product type *	Laptop	Front camera HD type	HD
Product colour *	Black	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Market positioning	Gaming	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display		Mobile network connection *	✗
Display diagonal *	39.6 cm (15.6")	Antenna type	2x2
Display resolution *	1920 x 1080 pixels	Ethernet LAN	✓
Touchscreen *	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
HD type	Full HD	Bluetooth	✓
Native aspect ratio	16:9	Bluetooth version	5.3
Anti-glare screen	✓	Ports & interfaces	
Display brightness	250 cd/m <sup>2</sup>	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	3
RGB colour space	NTSC	Ethernet LAN (RJ-45) ports	1
Colour gamut	45%	HDMI ports quantity *	1
Maximum refresh rate	144 Hz	HDMI version	2.0b
Contrast ratio (typical)	1000:1	Thunderbolt 4 ports quantity	1
Processor		Intel® Thunderbolt 4	✓
Processor manufacturer *	Intel	Combo headphone/mic port	✓
Processor generation	11th gen Intel® Core™ i7	Charging port type	DC-in jack
Processor family *	Intel® Core™ i7	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	i7-11800H	Keyboard	
Processor boost frequency	4.6 GHz	Pointing device	Touchpad
Processor cores	8	Numeric keypad *	✓
Processor cache	24 MB	Keyboard backlit	✓
Processor cache type	Smart Cache	Keyboard backlit colour	RGB
Motherboard chipset	Intel HM570 Express		

<b>Memory</b>		<b>Keyboard</b>	
Internal memory *	8 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	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, Xbox Game Pass Ultimate 1 month
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB	<b>Battery</b>	
<b>Storage</b>		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	512 GB	Number of battery cells	3
Storage media *	SSD	Battery capacity *	48 Wh
Total SSDs capacity	512 GB	<b>Power</b>	
Number of SSDs installed	1	AC adapter power	180 W
SSD capacity	512 GB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 3.0	AC adapter input voltage	100 - 240 V
NVMe	✓	AC adapter output current	9 A
SSD form factor	M.2	AC adapter output voltage	20 V
Optical drive type *	✗	<b>Security</b>	
<b>Graphics</b>		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Trusted Platform Module (TPM)	✓
Discrete graphics card model *	NVIDIA GeForce RTX 3050 Ti	Password protection	✓
On-board graphics card *	✓	Password protection type	BIOS, User
Discrete graphics card *	✓	<b>Weight &amp; dimensions</b>	
On-board graphics card family	Intel® UHD Graphics	Width	359 mm
On-board graphics card model *	Intel® UHD Graphics	Depth	256 mm
Discrete graphics card memory	4 GB	Height (front)	2.28 cm
Discrete graphics memory type	GDDR6	Height (rear)	2.45 cm
<b>Audio</b>		Weight *	2.3 kg
Built-in microphone	✓	<b>Technical details</b>	
		Repairability index	6.8



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