

ASUS TUF Gaming FX610JH-TU007W Intel® Core™ i5 i5-14450HX Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 6 (802.11ax) Windows 11 Home Black AZERTY Belgian



Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0QS1-M002X0

Product name : FX610JH-TU007W

- Windows 11 Home 64-bit
 - Intel Core i5-14450HX (20MB Cache)
 - 16" Full HD+ 1920 x 1200 IPS-Level, NVIDIA GeForce RTX 5050 (8GB GDDR7)
 - 16GB (5600MHz) DDR5-SDRAM (1 x 16) & 512GB SSD
 Intel Core i5-14450HX (20MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 16" Full HD+ 1920 x 1200 IPS-Level, Intel UHD Graphics, NVIDIA GeForce RTX 5050 (8GB GDDR7), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS TUF Gaming FX610JH-TU007W Intel® Core™ i5 i5-14450HX Laptop 40.6 cm (16") Full HD+ 16 GB DDR5-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 6 (802.11ax) Windows 11 Home Black AZERTY Belgian:

Core Power, Total Command.

The TUF Gaming 16 delivers the essential specs you need for smooth gaming on Windows 11. Featuring up to an Intel® Core™ i7 processor 14650HX and up to an NVIDIA® GeForce RTX™ 5070 Laptop GPU, the TUF Gaming 16 handles popular esports titles and daily productivity with ease.

Design		Audio	
Colour name	Off Black	Number of built-in speakers	2
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Camera	
Form factor *	Clamshell	Front camera	✓
Housing material	Plastic	Front camera resolution	1280 x 720 pixels
Display back cover material	Plastic	Front camera HD type	HD
Market positioning	Gaming	Network	
Introduction year	2026	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display diagonal *	40.6 cm (16")	Mobile network connection *	✗
Display resolution *	1920 x 1200 pixels	Antenna type	2x2
Touchscreen *	✗	Ethernet LAN	✓
HD type	Full HD+	Ethernet LAN data rates	1000,10,100 Mbit/s
Panel type	IPS-Level	Bluetooth	✓
LED backlight	✓	Bluetooth version	5.4
Native aspect ratio	16:10	Ports & interfaces	
Anti-glare screen	✓	USB 2.0 ports quantity *	1
Display brightness	300 cd/m ²	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RGB colour space	sRGB	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	100%	Ethernet LAN (RJ-45) ports	1
Maximum refresh rate	144 Hz	HDMI ports quantity *	1
Contrast ratio (typical)	1200:1	HDMI version	2.1
Processor		Combo headphone/mic port	✓
Processor manufacturer *	Intel	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	Intel® Core™ i5	Performance	
Processor generation	Intel® Core™ i5 (14th gen)	Motherboard chipset	Intel HM770 Express
Processor model *	i5-14450HX		
Processor cores	10		
Processor threads	16		
Processor boost frequency	4.8 GHz		

Processor		Keyboard	
Performance cores	6	Pointing device	Touchpad
Efficient cores	4	Numeric keypad *	✓
Performance-core Max Turbo Frequency	4.8 GHz	Keyboard backlit	✓
Efficient-core Max Turbo Frequency	3.5 GHz	Keyboard backlit colour	RGB
Performance-core base frequency	2.4 GHz	Keyboard backlit zone	1-zone RGB
Efficient-core base frequency	1.8 GHz	Keyboard layout	AZERTY
Processor cache	20 MB	Keyboard language	Belgian
Processor cache type	Smart Cache	Copilot key	✓
Processor socket	BGA 1964	Software	
Processor base power	55 W	Operating system architecture	64-bit
Maximum turbo power	157 W	Trial software	1-month trial for new Microsoft 365 customers
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Bundled software	Xbox Game Pass Premium_2 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass Premium. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Internal memory type	DDR5-SDRAM		
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM		
Memory layout (slots x size)	1 x 16 GB		
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Memory channels	Dual-channel		
Storage		Battery	
Total storage capacity *	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	512 GB	Battery capacity *	63 Wh
Number of SSDs installed	1	Fast charging	✓
SSD capacity	512 GB	Fast charging time (50%)	30 min
SSD interface	PCI Express 4.0	Power	
NVMe	✓	AC adapter power	150 W
SSD form factor	M.2	AC adapter frequency	50 - 60 Hz
Optical drive type *	✗	AC adapter input voltage	100 - 240 V
Graphics		AC adapter output current	7.5 A
Discrete GPU manufacturer	NVIDIA	AC adapter output voltage	20 V
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050	USB Type-C charging port *	✓
Discrete graphics card memory	8 GB	USB Type-C required charging power (min) *	45 W
Discrete graphics memory type	GDDR7	USB Type-C required charging power (max) *	100 W
On-board graphics card *	✓	USB Power Delivery (USB PD)	✓
On-board GPU manufacturer	Intel	Security	
Discrete graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board graphics card family	Intel® UHD Graphics	Password protection	✓
On-board graphics card model *	Intel® UHD Graphics	Password protection type	BIOS, User
Total Graphics Power (TGP)	85 W	Weight & dimensions	
NVIDIA G-SYNC	✓	Width	357 mm
		Depth	259 mm
		Height (front)	1.94 cm
		Height (rear)	2.69 cm
		Weight *	2.2 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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