

ASUS TUF Gaming F16 FX608JH-I5165W Intel® Core™ i5 i5-13450HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 6E (802.11ax) Windows 11 Home Grey



Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0MH1-M000Y0

Product name : FX608JH-I5165W

- Windows 11 Home 64-bit
- Intel Core i5-13450HX (20MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, NVIDIA GeForce RTX 5050 (8GB GDDR7)
- 16GB (5600MHz) DDR5-SDRAM & 512GB SSD

Intel Core i5-13450HX (20MB Cache), 16GB DDR5-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 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 F16 FX608JH-I5165W Intel® Core™ i5 i5-13450HX Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA® GeForce RTX™ 5050 Wi-Fi 6E (802.11ax) Windows 11 Home Grey:

Serious Gaming Specs

As a member of the TUF Gaming family, the F16 boasts some seriously impressive specs, giving you access to the very best of gaming on Windows 11. Featuring an Intel® Core i5-13450HX processor and an NVIDIA® GeForce RTX™ 5050 Laptop GPU, the F16 can easily play the latest games or keep your workflow on schedule. Paired with 16GB of DDR5 5600MHz memory per slot and dual expandable PCIe Gen 4 storage slots, this little machine is ready for anything, right out of the box.

Design		Audio	
Colour name	Jaeger Gray	Built-in microphone	✓
Product type *	Laptop	Camera	
Product colour *	Grey	Front camera	✓
Form factor *	Clamshell	Front camera resolution	1920 x 1080 pixels
Market positioning	Gaming	Front camera HD type	Full HD
Introduction year	2025	Infrared (IR) camera	✓
Certified refurbished	✗	Network	
Display		Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display diagonal *	40.6 cm (16")	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display resolution *	1920 x 1200 pixels	Mobile network connection *	✗
Touchscreen *	✗	Antenna type	2x2
HD type	WUXGA	Ethernet LAN	✓
Panel type	IPS-Level	Ethernet LAN data rates	10,100,1000 Mbit/s
Native aspect ratio	16:10	Bluetooth	✓
Anti-glare screen	✓	Ports & interfaces	
Display brightness	300 cd/m²	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	3
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	165 Hz	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	Intel	Thunderbolt 4 ports quantity	1
Processor family *	Intel® Core™ i5	Intel® Thunderbolt 4	✓
Processor generation	13th gen Intel® Core™ i5	Combo headphone/mic port	✓
Processor model *	i5-13450HX	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	10		
Processor threads	16		
Processor boost frequency	4.6 GHz		
Performance cores	6		

Processor		Performance	
Efficient cores	4	Motherboard chipset	Intel HM770 Express
Performance-core Max Turbo Frequency	4.6 GHz	Keyboard	
Efficient-core Max Turbo Frequency	3.4 GHz	Pointing device	Touchpad
Processor cache	20 MB	Numeric keypad *	✓
Processor cache type	Smart Cache	Keyboard backlit	✓
Processor base power	55 W	Keyboard backlit colour	RGB
Maximum turbo power	157 W	Keyboard backlit zone	1-zone RGB
Neural processor unit (NPU)		Copilot key	✓
Copilot+ PC	✗	Software	
Memory		Operating system architecture	64-bit
Internal memory *	16 GB	Microsoft Copilot	✓
Internal memory type	DDR5-SDRAM	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Memory clock speed	5600 MHz		
Memory form factor	SO-DIMM	Operating system installed *	Windows 11 Home
Memory slots	2x SO-DIMM	Bundled software	Xbox Game Pass for PC_3 months (*Terms and exclusions apply. Offer only available in eligible markets for Xbox Game Pass for PC. Eligible markets are determined at activation. Game catalog varies by region, device, and time.)
Maximum internal memory *	64 GB		
Memory channels	Dual-channel		
Storage			
Total storage capacity *	512 GB		
Storage media *	SSD		
Total SSDs capacity	512 GB		
Number of SSDs installed	1		
SSD capacity	512 GB		
SSD interface	PCI Express 4.0		
NVMe	✓		
SSD form factor	M.2		
Optical drive type *	✗		
Graphics			
Discrete GPU manufacturer	NVIDIA		
Discrete graphics card model *	NVIDIA® GeForce RTX™ 5050		
Discrete graphics card memory	8 GB		
Discrete graphics memory type	GDDR7		
On-board graphics card *	✓		
On-board GPU manufacturer	Intel		
Discrete graphics card *	✓		
On-board graphics card family	Intel® UHD Graphics		
On-board graphics card model *	Intel® UHD Graphics		
NVIDIA G-SYNC	✓		
Audio			
Audio system	Dolby Atmos		
Number of built-in speakers	2		
		Weight & dimensions	
		Width	354 mm
		Depth	269 mm
		Height (front)	1.79 cm
		Height (rear)	2.73 cm
		Weight *	2.2 kg
		Packaging content	
		AC adapter included *	✓



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