

Model		FX608JHI / 90NR0NA1-M00HK0
Marketing Name	ASUS TUF Gaming F16	
Operating System	No preinstalled OS	
Exclusive subscription offers	3-Month Google AI Pro Subscription 6-Month Dropbox 500GB Subscription 1-Year ASUS Secure Auto-Backup 200GB Subscription *Available in eligible markets only. Eligibility varies by region, device, and time. Terms and conditions apply. See promotion pages for details.	
Color	Jaeger Gray	
LCD cover-material	Texture plastic	
Top case-material	Aluminum	
Bottom case-material	Texture plastic	
Dimension (W x D x H)	35.4 x 26.9 x 1.79 ~ 2.73 cm (13.94" x 10.59" x 0.70" ~ 1.07")	
Weight	2.20 Kg (4.85 lbs)	
Processor	Intel® Core™ i7 Processor 14650HX 2.2 GHz (30MB Cache, up to 5.2 GHz, 16 cores, 24 Threads)	
Chipset	Mobile Intel® HM770 Express Chipsets	
Intergrated GPU	Intel® UHD Graphics	
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus	
Graphic	NVIDIA® GeForce RTX™ 5050 Laptop GPU	
Graphic Wattage	Up to 115W (100W+15W)	
Graphic Memory	8GB GDDR7	
Panel Size	16-inch	
Resolution	FHD+ 16:10 (1920 x 1200, WUXGA)	
Refresh Rate	144Hz	
Viewing Angle	85/85/85/85	
Panel Tech	IPS-level	
Brightness	300	
Contrast Ratio	1000:1	
NTSC %	72.00%	
SRGB %	100.00%	

Adobe %	75.35%
Surface texture of display	Anti-glare(AG) display
Adaptive-Sync technology	G-Sync
Pantone	N/A
Support Dolby Vision HDR	N/A
On board memory	N/A
DIMM Memory	16GB DDR5-5600 SO-DIMM The memory speed of the systems vary by CPU SPEC
Total System Memory	DDR5 16GB
Memory Slot	2x SO-DIMM slots
Memory Max.	64GB
Multi-channel memory technology	Support dual channel memory technology
Storage	512GB PCIe® 4.0 NVMe™ M.2 SSD
M.2 slots support either SATA or NVMe	2
M.2 SSD Support List	M.2 512GB PCIe SSD M.2 1TB PCIe SSD M.2 2TB PCIe SSD
Expansion Slot (includes used)	2x DDR5 SO-DIMM slots 2x M.2 PCIe
LAN	10/100/1000 Mbps
Wireless	Wi-Fi 6E(802.11ax) (Triple band) 2*2 + Bluetooth® 5.4 Wireless Card (*Bluetooth® version may change with OS version different.)
I/O Ports	3x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 1x RJ45 LAN port 1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery (data speed up to 10Gbps)
Display output	1x HDMI 2.1 FRL
Camera	1080P FHD Camera
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB With Copilot key *Copilot in Windows (in preview) is rolling out gradually within the latest update to Windows 11 in select global markets. Timing of availability varies by device and market. Learn more: https://www.microsoft.com/en-us/windows/copilot-ai-features?r=1#faq
Aura Sync	Yes

Touchpad	Touchpad N/A
Speakers	2-speaker system
Audio	1x 3.5mm Combo Audio Jack Built-in array microphone
Audio Tech	AI noise-canceling technology Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field (Microsoft service suspended in spring of 2023.) Dolby Atmos
Security	Trusted Platform Module (Firmware TPM) BIOS Administrator Password and User Password Protection
Battery	70WHrs, 4S1P, 4-cell Li-ion
Charger included	Included
Power	Rectangle Conn, 200W AC Adapter, Output: 20V DC, 10A, 200W, Input: 100-240V AC, 50/60Hz universal
Required charging power	Min: 45W Max: 100W *The indicated wattage is for demonstrating the system's support capability as required by EU regulations. For optimal system performance, please use the standard-wattage adapter or higher.
Included in the Box	P309 TUF GAMING M3 TUF Gaming backpack
Ecolabels & Compliances	N/A
Reparability Index (for France)	9.9