

Model	FX608JHR / 90NR0NA1-M006J0
Marketing Name	ASUS TUF Gaming F16
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Jaeger Gray
Top case-material	Aluminum
LCD cover-material	Texture plastic
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™ i5 Processor 14450HX 2.4 GHz (20MB Cache, up to 4.8 GHz, 10 cores, 16 Threads)
Chipset	Mobile Intel® HM770 Express Chipsets
Integrated 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	165Hz
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	1TB 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	1x RJ45 LAN port 1x USB 3.2 Gen 2 Type-C with support for DisplayPort™ / power delivery (data speed up to 10Gbps) 3x USB 3.2 Gen 2 Type-A (data speed up to 10Gbps) 1x Thunderbolt™ 4 with support for DisplayPort™ / G-SYNC (data speed up to 40Gbps)
Display output	1x HDMI 2.1 FRL
Camera	1080P FHD IR Camera for Windows Hello
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	Support Microsoft Cortana near field/far field (Microsoft service suspended in spring of 2023.) AI noise-canceling technology Hi-Res certification (for headphone) Dolby Atmos
Security	BIOS Administrator Password and User Password Protection Trusted Platform Module (Firmware TPM)
Antivirus	McAfee® 30 days free trial
Battery	90WHrs, 4S1P, 4-cell Li-ion
Charger included	Included
Power	Rectangle Conn, 280W AC Adapter, Output: 20V DC, 14A, 280W, 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.
Xbox Game Pass	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.)
Ecolabels & Compliances	N/A
Reparability Index (for France)	9.5