



Part No	90NR0FV7-M003A0
Model Name	FX507ZI4-LP031W
EAN Code	4711387630839
UPC Code	197105630833
WEEE	2.524
BASE UNIT	VSNR0FV7-BU1110
Marketing Name	ASUS TUF Gaming F15
Operating System	Windows 11 Home
Office	1-month trial for new Microsoft 365 customers. Credit card required.
Color	Mecha Gray
Dimension (W x D x H)	35.4 x 25.1 x 2.24 ~ 2.49 cm (13.94" x 9.88" x 0.88" ~ 0.98")
Weight	2.20 Kg (4.85 lbs)
Processor	12th Gen Intel® Core™ i7-12700H Processor 2.3 GHz (24M Cache, up to 4.7 GHz, 14 cores: 6 P-cores and 8 E-cores)
Chipset	N/A
Integrated GPU	Intel® Iris X® Graphics
Discrete/Optimus	MUX Switch + NVIDIA® Advanced Optimus
Graphic	NVIDIA® GeForce RTX™ 4070 Laptop GPU
Graphic Wattage	2225MHz* at 140W (2175MHz Boost Clock+50MHz OC, 115W+25W Dynamic Boost)
Graphic Memory	8GB GDDR6
Panel Size	15.6-inch
Resolution	FHD (1920 x 1080) 16:9
Refresh Rate	144Hz
Viewing Angle	85/85/85/85
Panel Tech	Value IPS-level
Brightness	250
Contrast Ratio	1000:1
NTSC %	72
SRGB %	100
Adobe %	75.35
Glare	Anti-glare display
Adaptive-Sync technology	G-Sync
Pantone	N/A
Support Dolby Vision HDR	N/A
On board memory	N/A
DIMM Memory	8GB DDR4-3200 SO-DIMM *2
Total System Memory	DDR4 16GB
Memory Slot	2x SO-DIMM slots
Memory Max.	32GB

Multi-channel memory technology	Support dual channel memory
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 2TB G4X4 PCIe SSD M.2 1TB G4X4 PCIe SSD M.2 512GB G4X4 PCIe SSD
Expansion Slot (includes used)	2x DDR4 SO-DIMM slots 2x PCIe
LAN	10/100/1000 Mbps
Wireless	Wi-Fi 6(802.11ax) (Dual band) 2*2 + Bluetooth® 5.2 Wireless Card (*Bluetooth® version may change with OS version different.)
I/O Ports	1x RJ45 LAN port 1x Thunderbolt™ 4 support DisplayPort™ 1x USB 3.2 Gen 2 Type-C support DisplayPort™ / power delivery / G-SYNC 2x USB 3.2 Gen 1 Type-A
Display output	1x HDMI 2.1 FRL
Camera	720P HD camera
Mic	Built-in array microphone
Keyboard Type	Backlit Chiclet Keyboard 1-Zone RGB
Aura Sync	Yes
Touchpad	Touchpad
FingerPrint	N/A
Speakers	2-speaker system
Audio	1x 3.5mm Combo Audio Jack Built-in array microphone
Audio Tech	AI noise-canceling technology Dolby Atmos Hi-Res certification (for headphone) Support Microsoft Cortana near field/far field
Security	BIOS Administrator Password and User Password Protection Kensington Security Slot™ Trusted Platform Module (Firmware TPM)
Antivirus	McAfee® 30 days free trial
Battery	90WHrs, 4S1P, 4-cell Li-ion
Fast charging	Recharge from 0-50% in 30 minutes
Power	ø6.0, 240W AC Adapter, Output: 20V DC, 12A, 240W, Input: 100~240C AC 50/60Hz universal
Included in the Box	Marketing Giveaway (TUF Sticker)
Ecolabels & Compliances	ENERGY STAR® EPEAT Bronze

