ASUS TUF Gaming F16 FX607VJ-RL001W laptop Intel Core 5 210H 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6 (802.11ax) Windows 11 Home Black, Grey

Brand : ASUS **Product family:** TUF Gaming **Product code:** FX607VJ-RL001W

Product name : FX607VJ-RL001W

- Windows 11 Home 64-bit
- Intel Core 5 210H (12MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, NVIDIA GeForce RTX 3050 (6GB GDDR6)
- 16GB (3200MHz) DDR4-SDRAM & 512GB SSD

Intel Core 5 210H (12MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, Intel Graphics, NVIDIA GeForce RTX 3050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS TUF Gaming F16 FX607VJ-RL001W laptop Intel Core 5 210H 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6 (802.11ax) Windows 11 Home Black, Grey:

Subtle styling
The 2024 TUF Gaming F16 retains its classic TUF styling, with a few new touches. The Mecha Gray variant sports an embossed TUF logo, while the Jaeger Gray editions have a stylish laser engraved logo. Four small triangles frame the corners of the lid, and subtle TUF references appear on the keyboard deck and trackpad.

Design	
Colour name	Mecha Gray
Product type *	Laptop
Product colour *	Black, Grey
Form factor *	Clamshell
Market positioning	Gaming
Certified refurbished	✗
Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS-Level
LED backlight	✓
Native aspect ratio	16:10
Anti-glare screen	✓
Display response rise/fall	3 ms
Maximum refresh rate	144 Hz
Processor	
Processor manufacturer *	Intel
Processor family *	Intel Core 5
Processor generation	Intel Core (Series 2)
Processor model *	210H
Processor cores	8
Processor threads	12
Processor boost frequency	4.8 GHz
Performance cores	4
Efficient cores	4
Efficient-core Max Turbo Frequency	3.6 GHz
Performance-core base frequency	2.2 GHz
Efficient-core base frequency	1.6 GHz

Graphics	
On-board graphics card model *	Intel® Graphics
NVIDIA G-SYNC	✓
Audio	
Audio system	Dolby Atmos
Number of built-in speakers	2
Built-in microphone	✓
Camera	
Front camera	✓
Front camera HD type	HD
Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
Ethernet LAN	✓
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✓
Bluetooth version	5.3
Ports & interfaces	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✓
Power adapter barrel connector	6.0 mm

Processor	
Processor cache	12 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	115 W
Neural processor unit (NPU)	
Copilot+ PC	✗
Memory	
Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory clock speed	3200 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
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 *	✗
Card reader integrated	✗
Graphics	
Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 3050
Discrete graphics card memory	6 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓
On-board graphics card family	Intel® Graphics

Ports & interfaces	
USB Type-C DisplayPort Alternate Mode	✓
Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓
Keyboard backlit colour	RGB
Keyboard backlit zone	1-zone RGB
Copilot key	✓
Software	
Operating system architecture	64-bit
Microsoft Copilot	✓
Operating system installed *	Windows 11 Home
Battery	
Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	56 Wh
Power	
AC adapter power	150 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	7.5 A
AC adapter output voltage	20 V
DC-in jack	✓
USB Type-C charging port *	✓
USB Power Delivery (USB PD)	✓
Security	
Cable lock slot	✓
Cable lock slot type	Kensington
Trusted Platform Module (TPM)	✓
Password protection	✓
Password protection type	BIOS, User
Weight & dimensions	
Width	354 mm
Depth	251 mm
Height (front)	2.21 cm
Height (rear)	2.67 cm
Weight *	2.2 kg
Packaging content	
AC adapter included *	✓

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