

ASUS TUF Gaming A16 FA607NUQ-RL009W AMD Ryzen™ 7 170 Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6 (802.11ax) Windows 11 Home Grey, Black



Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0QF3-M000K0

Product name : FA607NUQ-RL009W

- An AMD Ryzen™ 7 170 and an NVIDIA® GeForce RTX™ 4050 Laptop GPU, supporting NVIDIA® Advanced Optimus
- Lightweight 2.20kg chassis, USB-C power delivery, and MIL-STD-810H durability
- Full upgradability with Dual 2280 NVMe SSD slots and dual-channel LPDDR5 RAM
- 16:10 aspect ratio, FHD+ 1920 x 1200 144Hz/3ms display with NVIDIA G-SYNC support
- Large rear exhaust vents

AMD Ryzen 7 170 (3.2GHz), 16GB DDR5-SDRAM, 512GB SSD, 16" WUXGA 1920 x 1200 IPS-Level, AMD Radeon 680M, NVIDIA GeForce RTX 4050 (6GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

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Portable Power, Maximum Impact

The design philosophy behind the TUF Gaming A16 is all about blending power with portability. With this lightweight all-around powerhouse, you can enjoy seamless performance wherever you go.

Design		Camera	
Colour name	Mecha Gray	Front camera HD type	HD
Product type *	Laptop	Network	
Product colour *	Grey, Black	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Form factor *	Clamshell	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Housing material	Plastic	Mobile network connection *	✗
Market positioning	Gaming	Antenna type	2x2
Certified refurbished	✗	Ethernet LAN	✓
Display		Ethernet LAN data rates	10,100,1000 Mbit/s
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	Bluetooth version	5.3
Touchscreen *	✗	Ports & interfaces	
HD type	WUXGA	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	IPS-Level	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
LED backlight	✓	Ethernet LAN (RJ-45) ports	1
Native aspect ratio	16:10	HDMI ports quantity *	1
Anti-glare screen	✓	HDMI version	2.1
Display brightness	300 cd/m ²	Combo headphone/mic port	✓
RGB colour space	Adobe RGB	Power adapter barrel connector	6.0 mm
Colour gamut	75.35%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	144 Hz	Performance	
Contrast ratio (typical)	1000:1	Repairability index	9.9
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen™ 7	Numeric keypad *	✓
Processor generation	AMD Ryzen 100 Series	Keyboard backlight	✓
Processor model *	170	Keyboard backlight colour	RGB
Processor cores	8	Keyboard backlight zone	1-zone RGB
Processor threads	16		
Processor boost frequency	4.75 GHz		
Processor frequency *	3.2 GHz		

Processor		Keyboard	
Processor cache type	L2 & L3	Copilot key	✓
L3 cache	16 MB	Software	
L2 cache	4 MB	Operating system architecture	64-bit
Neural processor unit (NPU)		Microsoft Copilot	✓
Copilot+ PC	✗	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Bundled software	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.)
Internal memory type	DDR5-SDRAM	Battery	
Memory clock speed	4800 MHz	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	SO-DIMM	Number of battery cells	4
Memory slots	2x SO-DIMM	Battery capacity *	56 Wh
Maximum internal memory *	64 GB	Fast charging	✓
Storage		Fast charging time (50%)	30 min
Total storage capacity *	512 GB	Power	
Storage media *	SSD	AC adapter power	180 W
Total SSDs capacity	512 GB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	512 GB	AC adapter output current	9 A
SSD interface	PCI Express 4.0	AC adapter output voltage	20 V
NVMe	✓	DC-in jack	✓
SSD form factor	M.2	USB Type-C charging port *	✓
Optical drive type *	✗	USB Power Delivery (USB PD)	✓
Graphics		Security	
Discrete GPU manufacturer	NVIDIA	Cable lock slot	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Cable lock slot type	Kensington
Discrete graphics card memory	6 GB	Trusted Platform Module (TPM)	✓
Discrete graphics memory type	GDDR6	Password protection	✓
On-board graphics card *	✓	Password protection type	BIOS, User
On-board GPU manufacturer	AMD	Weight & dimensions	
Discrete graphics card *	✓	Width	354 mm
On-board graphics card family	AMD Radeon	Depth	251 mm
On-board graphics card model *	AMD Radeon 680M	Height (front)	2.24 cm
NVIDIA G-SYNC	✓	Height (rear)	2.67 cm
Audio		Weight *	2.2 kg
Audio system	Dolby Atmos	Packaging content	
Number of built-in speakers	2	AC adapter included *	✓
Built-in microphone	✓		
Camera			
Front camera	✓		
Front camera resolution	1280 x 720 pixels		



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Catalog Object Cloud



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