

ASUS TUF Gaming A15 FA507UI-HQ008W AMD Ryzen™ 9 8945H Laptop 39.6 cm (15.6") Quad HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6 (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0I65-M000B0

Product name : FA507UI-HQ008W



- Windows 11 Home 64-bit
 - AMD Ryzen 9 8945H (16MB Cache, 4GHz)
 - 39.6 cm (15.6") Quad HD 2560 x 1440 IPS, NVIDIA GeForce RTX 4070 (8GB GDDR6)
 - 32GB (5600MHz) DDR5-SDRAM (2 x 16) & 1000GB SSD
- AMD Ryzen 9 8945H (16MB Cache, 4GHz), 32GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") Quad HD 2560 x 1440 IPS, AMD Radeon 780M, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS TUF Gaming A15 FA507UI-HQ008W AMD Ryzen™ 9 8945H Laptop 39.6 cm (15.6") Quad HD 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6 (802.11ax) Windows 11 Home Grey:

Mechanised endurance. Battlefield brilliance.

Featuring an AMD Ryzen™ R9-8945H Processor, an NVIDIA® GeForce RTX™ 4070 Laptop GPU, and a dedicated MUX Switch with NVIDIA® Advanced Optimus — prepare to crank the graphics settings in all the latest games. All that horsepower drives a gorgeous WQHD 165Hz panel with G-SYNC support, ensuring buttery smooth motion on screen. Keep your cool in the heat of extended gaming sessions with dual 84-blade Arc Flow Fans™ and a network of five heat pipes that efficiently wick heat out of the chassis.



Design		Camera	
Colour name	Mecha Gray	Front camera	✓
Product type *	Laptop	Front camera HD type	HD
Product colour *	Grey	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Market positioning	Gaming	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display		Mobile network connection *	✗
Display diagonal *	39.6 cm (15.6")	Antenna type	2x2
Display resolution *	2560 x 1440 pixels	Ethernet LAN	✓
Touchscreen *	✗	Ethernet LAN data rates	10,100,1000 Mbit/s
HD type	Quad HD	Bluetooth	✓
Native aspect ratio	16:9	Bluetooth version	5.3
Anti-glare screen	✓	Ports & interfaces	
Display brightness	300 cd/m ²	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RGB colour space	DCI-P3	USB 3.2 Gen 2 (3.1 Gen 2) Type-C ports quantity	1
Colour gamut	100%	USB4 Gen 2x2 ports quantity	1
Maximum refresh rate	165 Hz	Ethernet LAN (RJ-45) ports	1
Contrast ratio (typical)	1000:1	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	AMD	Combo headphone/mic port	✓
Processor family *	AMD Ryzen™ 9	Power adapter barrel connector	6.0 mm
Processor model *	8945H	USB Type-C DisplayPort Alternate Mode	✓
Processor cores	8	USB Power Delivery	✓
Processor boost frequency	5.2 GHz	Performance	
Processor frequency *	4 GHz	Repairability index	8.6
Processor cache	16 MB		
Processor cache type	L3		
Neural processor unit (NPU)			
Neural processor unit (NPU)	AMD Ryzen AI		

Neural processor unit (NPU)		Keyboard	
Total processor performance up to	39 TOPs	Pointing device	Touchpad
NPU performance up to	16 TOPs	Numeric keypad *	✓
Memory		Keyboard backlit	✓
Internal memory *	32 GB	Keyboard backlit colour	RGB
Internal memory type	DDR5-SDRAM	Keyboard backlit zone	1-zone RGB
Memory clock speed	5600 MHz	Software	
Memory form factor	SO-DIMM	Operating system architecture	64-bit
Memory layout (slots x size)	2 x 16 GB	Trial software	1-month trial for new Microsoft 365 customers. Credit card required. McAfee® 30 days free trial
Memory slots	2x SO-DIMM	Operating system installed *	Windows 11 Home
Maximum internal memory *	32 GB	Battery	
Memory channels	Dual-channel	Battery technology	Lithium-Ion (Li-Ion)
Storage		Number of battery cells	4
Total storage capacity *	1 TB	Battery capacity *	90 Wh
Storage media *	SSD	Fast charging time (50%)	30 min
Total SSDs capacity	1 TB	Power	
Number of SSDs installed	1	AC adapter power	240 W
SSD capacity	1 TB	AC adapter frequency	50 - 60 Hz
SSD interface	PCI Express 4.0	AC adapter input voltage	100 - 240 V
NVMe	✓	AC adapter output current	12 A
SSD form factor	M.2	AC adapter output voltage	20 V
Optical drive type *	✗	Security	
Graphics		Cable lock slot	✓
Discrete GPU manufacturer	NVIDIA	Cable lock slot type	Kensington
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Trusted Platform Module (TPM)	✓
Discrete graphics card memory	8 GB	Password protection	✓
Discrete graphics memory type	GDDR6	Password protection type	BIOS, User
On-board graphics card *	✓	Sustainability	
Discrete graphics card *	✓	Sustainability certificates	EPEAT Bronze, ENERGY STAR
On-board graphics card model *	AMD Radeon 780M	Weight & dimensions	
NVIDIA G-SYNC	✓	Width	354 mm
Audio		Depth	251 mm
Audio system	Dolby Atmos	Height (front)	2.24 cm
Number of built-in speakers	2	Height (rear)	2.49 cm
Built-in microphone	✓	Weight *	2.2 kg



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