ASUS TUF Gaming A15 FA507UV-LP010W AMD Ryzen™ 9 8945H Laptop 39.6 cm (15.6") Full HD 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6 (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: TUF Gaming

Product code: 90NR0I28-M000D0

Product name : FA507UV-LP010W

- Windows 11 Home 64-bit
- AMD Ryzen 9 8945H (24MB Cache, 4GHz)
- 39.6 cm (15.6") Full HD 1920 x 1080 IPS, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB (5600MHz) DDR5-SDRAM & 1000GB SSD

AMD Ryzen 9 8945H (24MB Cache, 4GHz), 16GB DDR5-SDRAM, 1000GB SSD, 39.6 cm (15.6") Full HD 1920 x 1080 IPS, AMD Radeon 780M, NVIDIA GeForce RTX 4060 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit

ASUS TUF Gaming A15 FA507UV-LP010W. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 9, Processor model: 8945H, Processor frequency: 4 GHz. Display diagonal: 39.6 cm (15.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 780M. Operating system installed: Windows 11 Home. Product colour: Grey
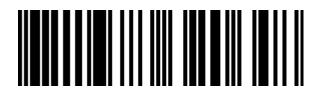
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Design

Colour name	Jaeger Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Housing material	Aluminium
Market positioning	Gaming
Introduction year	2024

Display

Display diagonal *	39.6 cm (15.6")
Display resolution *	1920 x 1080 pixels
Touchscreen *	✘
HD type	Full HD
Panel type	IPS
Native aspect ratio	16:9
Anti-glare screen	✔
Display brightness	250 cd/m²
RGB colour space	sRGB
Colour gamut	100%
Maximum refresh rate	144 Hz

Processor

Processor manufacturer *	AMD
Processor family *	AMD Ryzen™ 9
Processor generation	AMD Ryzen 8000 Series
Processor model *	8945H
Processor cores	8
Processor boost frequency	5.2 GHz
Processor frequency *	4 GHz
Processor cache	24 MB

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
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
USB4 Gen 2x2 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
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad

Processor

Processor cache type	L2 & L3

Neural processor unit (NPU)

Neural processor unit (NPU)	AMD Ryzen AI
Total processor performance up to	39 TOPs
NPU performance up to	16 TOPs

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory clock speed	5600 MHz
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
SSD interface	PCI Express 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 4060
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
Discrete graphics card *	✔
On-board graphics card model *	AMD Radeon 780M
NVIDIA G-SYNC	✔

Audio

Audio system	Dolby Atmos
Number of built-in speakers	2
Built-in microphone	✔

Keyboard

Numeric keypad *	✔
Keyboard backlit	✔
Keyboard backlit colour	RGB
Keyboard backlit zone	1-zone RGB

Software

Operating system architecture	64-bit
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh
Fast charging	✔
Fast charging time (50%)	30 min

Power

AC adapter power	240 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	12 A
AC adapter output voltage	20 V
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

Sustainability

Sustainability compliance	✔
Sustainability certificates	EPEAT Bronze, ENERGY STAR

Weight & dimensions

Width	354 mm
Depth	251 mm
Height (front)	2.24 cm
Height (rear)	2.49 cm
Weight *	2.2 kg

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