

ASUS Vivobook S 15 OLED M5506UA-MA008W AMD Ryzen™ 9 8945HS Laptop 39.6 cm (15.6") 3K 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: Vivobook

Product code: 90NB1472-M003H0

Product name : M5506UA-MA008W



- Windows 11 Home 64-bit
 - AMD Ryzen 9 8945HS (24MB Cache, 4GHz)
 - 39.6 cm (15.6") 3K 2880 x 1800 OLED
 - 16GB LPDDR5x-SDRAM & 1000GB SSD
- AMD Ryzen 9 8945HS (24MB Cache, 4GHz), 16GB LPDDR5x-SDRAM, 1000GB SSD, 39.6 cm (15.6") 3K 2880 x 1800 OLED, AMD Radeon 780M, WLAN, Webcam, Windows 11 Home 64-bit
 ASUS Vivobook S 15 OLED M5506UA-MA008W. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 9, Processor model: 8945HS, Processor frequency: 4 GHz. Display diagonal: 39.6 cm (15.6"), HD type: 3K, Display resolution: 2880 x 1800 pixels. Internal memory: 16 GB, Internal memory type: LPDDR5x-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: Black

Design		Camera	
Colour name	Neutral Black	Front camera HD type	Full HD
Product type *	Laptop	Infrared (IR) camera	✓
Product colour *	Black	Privacy camera	✓
Form factor *	Clamshell	Privacy type	Privacy shutter
Housing material	Aluminium	Network	
Country of origin	China	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display		Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display diagonal *	39.6 cm (15.6")	Mobile network connection *	✗
Display resolution *	2880 x 1800 pixels	Antenna type	2x2
Touchscreen *	✗	Ethernet LAN	✗
HD type	3K	Bluetooth	✓
Panel type	OLED	Bluetooth version	5.3
Native aspect ratio	16:10	Ports & interfaces	
Display brightness	400 cd/m ²	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Maximum display brightness (HDR)	550 cd/m ²	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
RGB colour space	DCI-P3	USB4 Gen 3x2 ports quantity	1
Colour gamut	100%	HDMI ports quantity *	1
Display response rise/fall	0.2 ms	HDMI version	2.1
Maximum refresh rate	120 Hz	Combo headphone/mic port	✓
Contrast ratio (typical)	1000000:1	Charging port type	USB Type-C
High Dynamic Range (HDR) supported	✓	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) technology	HDR True Black 500	USB Power Delivery	✓
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen™ 9	Numeric keypad *	✓
Processor model *	8945HS	Keyboard backlit	✓
Processor cores	8	Keyboard backlit colour	RGB
Processor boost frequency	5.2 GHz	Keyboard backlit zone	1-zone RGB
Processor frequency *	4 GHz		
Processor cache	24 MB		

Processor		Software	
Processor cache type	L2 & L3	Operating system architecture	64-bit
Neural processor unit (NPU)			1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days, One-Month Membership of Adobe Creative Cloud All Apps, Individual. The redemption duration from September 15, 2021 to August 31, 2024.
Neural processor unit (NPU)	AMD Ryzen AI	Trial software	
Total processor performance up to	39 TOPs		
NPU performance up to	16 TOPs		
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Battery	
Internal memory type	LPDDR5x-SDRAM	Battery technology	Lithium-Ion (Li-Ion)
Memory form factor	On-board	Number of battery cells	4
Maximum internal memory *	16 GB	Battery capacity *	75 Wh
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	90 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	4.5 A
SSD capacity	1 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	Security	
NVMe	✓	Face recognition	✓
SSD form factor	M.2	Windows Hello	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Password protection	✓
Compatible memory cards	MicroSD (TransFlash)	Password protection type	BIOS, User
Graphics		Sustainability	
Discrete graphics card model *	Not available	Sustainability compliance	✓
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	AMD	Width	353.6 mm
Discrete graphics card *	✗	Depth	246.9 mm
On-board graphics card model *	AMD Radeon 780M	Height (front)	1.39 cm
Audio		Height (rear)	1.59 cm
Audio system	Smart Amp	Weight *	1.5 kg
Speakers manufacturer	Harman Kardon	Packaging data	
Built-in microphone	✓	Package width	65 mm
Camera		Package depth	460 mm
Front camera	✓	Package height	290 mm
		Package weight	2.57 kg
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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