

## ASUS Vivobook S 16 OLED M5606UA AMD Ryzen™ 9 8945HS Laptop 40,6 cm (16") 3.2K 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Pro Black

Brand : ASUS

Product family: Vivobook

Article code: 90NB1482-M00410

Product name : M5606UA



ASUS Vivobook S 16 OLED M5606UA. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen™ 9, Processor model: 8945HS, Processor frequency: 4 GHz. Display diagonal: 40,6 cm (16"), HD type: 3.2K, Display resolution: 3200 x 2000 pixels. Internal memory: 32 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 Pro. Product color: Black

Design		Camera	
Colour name	Neutral Black	Front camera	✓
Product type *	Laptop	Front camera HD type	Full HD
Product colour *	Black	Infrared (IR) camera	✓
Form factor *	Clamshell	Privacy camera	✓
Housing material	Aluminium	Privacy type	Privacy shutter
Display		Network	
Display diagonal *	40.6 cm (16")	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Display resolution *	3200 x 2000 pixels	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Touchscreen *	✗	Mobile network connection *	✗
HD type	3.2K	Antenna type	2x2
Panel type	OLED	Ethernet LAN	✗
Native aspect ratio	16:10	Bluetooth	✓
Display surface	Gloss	Bluetooth version	5.3
Display brightness	400 cd/m <sup>2</sup>	Ports & interfaces	
Maximum display brightness (HDR)	500 cd/m <sup>2</sup>	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
RGB colour space	DCI-P3	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Colour gamut	100%	USB4 Gen 3x2 ports quantity	1
Display response rise/fall	0.2 ms	HDMI ports quantity *	1
Maximum refresh rate	120 Hz	HDMI version	2.1
Display number of colours	1.073 billion colours	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	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	AMD	Keyboard layout	QWERTY
Processor family *	AMD Ryzen™ 9	Keyboard language	Dutch
Processor generation	AMD Ryzen 8000 Series	Numeric keypad *	✓
Processor model *	8945HS	Keyboard backlit	✓
Processor cores	8		
Processor boost frequency	5.2 GHz		
Processor frequency *	4 GHz		

<b>Processor</b>		<b>Keyboard</b>	
Processor cache	24 MB	Keyboard backlit colour	RGB
Processor cache type	L2 & L3	Keyboard backlit zone	1-zone RGB
<b>Neural processor unit (NPU)</b>		<b>Software</b>	
Neural processor unit (NPU)	AMD Ryzen AI	Operating system architecture	64-bit
Total processor performance up to	38 TOPs	Trial software	McAfee 30 days
NPU performance up to	16 TOPs	Operating system installed *	Windows 11 Pro
<b>Memory</b>		<b>Battery</b>	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	4
Memory form factor	On-board	Battery capacity *	75 Wh
Maximum internal memory *	32 GB	<b>Power</b>	
Memory channels	Dual-channel	AC adapter power	90 W
<b>Storage</b>		AC adapter frequency	50 -60 Hz
Total storage capacity *	1 TB	AC adapter input voltage	100 - 240 V
Storage media *	SSD	AC adapter output current	4.5 A
Total SSDs capacity	1 TB	AC adapter output voltage	20 V
Number of SSDs installed	1	USB Power Delivery (USB PD) *	✓
SSD capacity	1 TB	<b>Security</b>	
SSD interface	PCI Express 4.0	Cable lock slot	✓
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
<b>Graphics</b>		<b>Certificates</b>	
Discrete graphics card model *	Not available	Compliance certificates	REACH
On-board graphics card *	✓	<b>Sustainability</b>	
On-board GPU manufacturer	AMD	Sustainability compliance	✓
Discrete graphics card *	✗	Sustainability certificates	ENERGY STAR, EPEAT Silver
On-board graphics card model *	AMD Radeon 780M	<b>Weight &amp; dimensions</b>	
<b>Audio</b>		Width	353.6 mm
Audio system	Smart Amp	Depth	246.9 mm
Built-in microphone	✓	Height (front)	1.39 cm
		Height (rear)	1.59 cm
		Weight *	1.5 kg



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