

ASUS Vivobook S 16 OLED S5606MA-MX008W Intel Core Ultra 7 155H Laptop 40.6 cm (16") 3.2K 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Blue

Brand : ASUS

Product family: Vivobook

Product code: 90NB12E1-M001E0

Product name : S5606MA-MX008W



Intel Core Ultra 7 155H (24MB Cache), 16GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") 3.2K 3200 x 2000 OLED, Intel Arc Graphics, WLAN, Webcam, Windows 11 Home 64-bit

[ASUS Vivobook S 16 OLED S5606MA-MX008W Intel Core Ultra 7 155H Laptop 40.6 cm \(16"\) 3.2K 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E \(802.11ax\) Windows 11 Home Blue:](#)

Simply slim, simply stunning.

The ASUS Vivobook S 16 OLED elevates your laptop encounter, harmoniously blending advanced technology with a clean, minimalist design. It showcases the power of up to Intel® Core™ Ultra 7 processor for exceptional performance, a dedicated Copilot key¹ for more AI exploration, a svelte 1.5 kg² construction, a substantial 16-hour battery life³, and a captivating 3.2K ASUS Lumina OLED screen. It also includes an ergonomically designed keyboard with vibrant RGB backlighting, a generously sized touchpad, and an ASUS AiSense camera. This laptop is the perfect companion for modern life.



Design		Graphics	
Colour name	Mist Blue	Discrete graphics card model *	Not available
Product type *	Laptop	On-board graphics card *	✓
Product colour *	Blue	On-board GPU manufacturer	Intel
Form factor *	Clamshell	Discrete graphics card *	✗
Housing material	Aluminium	On-board graphics card family	Intel Arc Graphics
Market positioning	Home	On-board graphics card model *	Intel Arc Graphics
Introduction year	2024	Audio	
Display		Audio system	Smart Amp
Display diagonal *	40.6 cm (16")	Speakers manufacturer	Harman Kardon
Display resolution *	3200 x 2000 pixels	Built-in microphone	✓
Touchscreen *	✗	Camera	
HD type	3.2K	Front camera	✓
Panel type	OLED	Front camera resolution	1920 x 1080 pixels
Native aspect ratio	16:10	Front camera HD type	Full HD
Display surface	Gloss	Infrared (IR) camera	✓
Display brightness	400 cd/m ²	Privacy camera	✓
Maximum display brightness (HDR)	600 cd/m ²	Privacy type	Privacy shutter
RGB colour space	DCI-P3	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Maximum refresh rate	120 Hz	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display number of colours	1.073 billion colours	Mobile network connection *	✗
Contrast ratio (typical)	1000000:1	Antenna type	2x2
High Dynamic Range (HDR) supported	✓	Bluetooth	✓
High Dynamic Range (HDR) technology	HDR True Black 600	Bluetooth version	5.3
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor family *	Intel Core Ultra 7		

Processor		Ports & interfaces	
Processor generation	Intel® Core™ Ultra (Series 1)	HDMI ports quantity *	1
Processor model *	155H	HDMI version	2.1
Processor cores	16	Thunderbolt 4 ports quantity	2
Processor threads	22	Intel® Thunderbolt 4	✓
Processor boost frequency	4.8 GHz	Combo headphone/mic port	✓
Performance cores	6	Charging port type	USB Type-C
Efficient cores	8	USB Type-C DisplayPort Alternate Mode	✓
Low Power Efficient-cores	2	USB Power Delivery	✓
Performance-core Max Turbo Frequency	4.8 GHz	Performance	
Efficient-core Max Turbo Frequency	3.8 GHz	Repairability index	8.1
Low Power Efficient-core Max Turbo Frequency	2.5 GHz	Keyboard	
Performance-core base frequency	1.4 GHz	Pointing device	Touchpad
Efficient-core base frequency	0.9 GHz	Numeric keypad *	✓
Low Power Efficient-core Base Frequency	700 MHz	Keyboard backlit	✓
Processor cache	24 MB	Keyboard backlit colour	RGB
Processor cache type	Smart Cache	Keyboard backlit zone	1-zone RGB
Processor base power	28 W	Software	
Maximum turbo power	115 W	Operating system architecture	64-bit
Neural processor unit (NPU)		Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Neural processor unit (NPU)	Intel AI Boost	Operating system installed *	Windows 11 Home
Maximum frequency NPU	1.4 GHz	Processor special features	
Sparsity support	✓	Intel® Evo™ Platform Verified	✓
Windows Studio effects support	✓	Battery	
AI datatype support on NPU	FP16, FP32, Int8	Battery technology	Lithium-Ion (Li-Ion)
AI software frameworks supported by NPU	DirectML, ONNX RT, OpenVINO, Windows ML	Number of battery cells	4
Memory		Battery capacity *	75 Wh
Internal memory *	16 GB	Power	
Internal memory type	LPDDR5x-SDRAM	AC adapter power	90 W
Memory form factor	On-board	AC adapter frequency	50 - 60 Hz
Maximum internal memory *	16 GB	AC adapter input voltage	100 - 240 V
Storage		AC adapter output current	4.5 A
Total storage capacity *	1 TB	AC adapter output voltage	20 V
Storage media *	SSD	Security	
Total SSDs capacity	1 TB	Face recognition	✓
Number of SSDs installed	1	Windows Hello	✓
SSD capacity	1 TB	Trusted Platform Module (TPM)	✓
SSD interface	PCI Express 4.0	Password protection	✓
NVMe	✓	Password protection type	BIOS, User
SSD form factor	M.2	Certificates	
Optical drive type *	✗	Compliance certificates	REACH
Card reader integrated	✓	Sustainability	
Compatible memory cards	MicroSD (TransFlash)	Sustainability compliance	✓
		Sustainability certificates	ENERGY STAR
		Weight & dimensions	
		Width	353.6 mm
		Depth	246.9 mm
		Height (front)	1.39 cm
		Height (rear)	1.59 cm
		Weight *	1.5 kg



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