

ASUS Vivobook S16 OLED M5606KA-DS76 Copilot+ PC AMD Ryzen™ AI 7 350 Laptop 40.6 cm (16") 3K 16 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: Vivobook

Product code: 90NB1592-M001J0

Product name : M5606KA-DS76 Copilot+ PC

AMD Ryzen AI 7 350 (2GHz), 16GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") 3K 2880 x 1800 OLED, AMD Radeon 860M, WLAN, Webcam, Windows 11 Home 64-bit

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Super AI, Stunning Style

The ASUS Vivobook S16 transforms your laptop experience with cutting-edge technology and a sleek minimalist design. Powered by up to AMD Ryzen™ AI 9 HX 370 processor, it delivers top-notch performance with up to 50 TOPS NPU, enhancing your productivity to the next level and unlocking brand new AI experiences. The dedicated Copilot key⁷ provides instant one-touch access to AI capabilities. With a slim 1.39 cm profile, weighing 1.5 kg¹, and up to a 75Whr battery life, it's designed for on-the-go convenience. The laptop boasts a stunning up to 3.2K ASUS Lumina OLED display, an ergonomic keyboard with RGB backlighting, an extra-large touchpad, and an ASUS AI camera. It's your perfect companion for modern life.

ASUS number 1 OLED laptop brand icon



Design		Audio	
Colour name	Neutral Black	Speakers manufacturer	Harman Kardon
Product type *	Laptop	Built-in microphone	✓
Product colour *	Black	Camera	
Form factor *	Clamshell	Front camera	✓
Housing material	Aluminium	Front camera resolution	1920 x 1080 pixels
Market positioning	Home	Front camera HD type	Full HD
Introduction year	2025	Infrared (IR) camera	✓
Display		Privacy camera	✓
Display diagonal *	40.6 cm (16")	Privacy type	Privacy shutter
Display resolution *	2880 x 1800 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
HD type	3K	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Panel type	OLED	Mobile network connection *	✗
Native aspect ratio	16:10	Antenna type	2x2
Display surface	Gloss	Ethernet LAN	✗
Display brightness	400 cd/m ²	Bluetooth	✓
Maximum display brightness (HDR)	600 cd/m ²	Bluetooth version	5.3
RGB colour space	DCI-P3	Ports & interfaces	
Colour gamut	100%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Maximum refresh rate	120 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Contrast ratio (typical)	1000000:1	USB4 Gen 3x2 ports quantity	1
High Dynamic Range (HDR) supported	✓	HDMI ports quantity *	1
High Dynamic Range (HDR) technology	DisplayHDR True Black 500	HDMI version	2.1
Processor		Combo headphone/mic port	✓
Processor manufacturer *	AMD	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	AMD Ryzen™ AI 7	Keyboard	
Processor generation	AMD Ryzen AI 300 Series	Pointing device	Touchpad
Processor model *	350		
Processor cores	8		
Processor threads	16		

Processor		Keyboard	
Processor boost frequency	5 GHz	Numeric keypad *	✓
Processor frequency *	2 GHz	Keyboard backlit	✓
Processor cache type	L2 & L3	Keyboard backlit colour	RGB
L3 cache	16 MB	Keyboard backlit zone	1-zone RGB
L2 cache	8 MB	Copilot key	✓
Neural processor unit (NPU)		Software	
Copilot+ PC	✓	Operating system architecture	64-bit
Neural processor unit (NPU)	AMD Ryzen AI	Microsoft Copilot	✓
Total processor performance up to	66 TOPs	Trial software	1-month trial for new Microsoft 365 customers. Credit card required.
NPU performance up to	50 TOPs	Operating system installed *	Windows 11 Home
Memory		Battery	
Internal memory *	16 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 *	16 GB	Power	
Storage		AC adapter power	65 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	AC adapter output current	3.25 A
Number of SSDs installed	1	AC adapter output voltage	20 V
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD)	✓
NVMe	✓	Security	
SSD form factor	M.2	Cable lock slot	✓
M.2 SSD size	2280 (22 x 80 mm)	Face recognition	✓
Optical drive type *	✗	Windows Hello	✓
Card reader integrated	✓	Trusted Platform Module (TPM)	✓
Compatible memory cards	MicroSD (TransFlash)	Password protection	✓
Graphics		Certificates	
Discrete graphics card model *	Not available	Compliance certificates	REACH
On-board graphics card *	✓	Sustainability	
On-board GPU manufacturer	AMD	Sustainability certificates	ENERGY STAR
Discrete graphics card *	✗	Weight & dimensions	
On-board graphics card family	AMD Radeon	Width	353.6 mm
On-board graphics card model *	AMD Radeon 860M	Depth	246.9 mm
Audio		Height (front)	1.39 cm
Audio system	Smart Amp	Height (rear)	1.59 cm
		Weight *	1.5 kg
		Packaging content	
		AC adapter included *	✓



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