

ASUS Vivobook S16 M3607GA-SH001W Copilot+ PC AMD Ryzen™ AI 7 445 Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Grey

Brand : ASUS

Product family: Vivobook

Product code: 90NB17M1-M001X0

Product name : M3607GA-SH001W

- Windows 11 Home 64-bit
- AMD Ryzen AI 7 445 (2GHz)
- 16" WUXGA 1920 x 1200 OLED
- 16GB DDR5-SDRAM & 1000GB SSD

AMD Ryzen AI 7 445 (2GHz), 16GB DDR5-SDRAM, 1000GB SSD, 16" WUXGA 1920 x 1200 OLED, AMD Radeon 840M, WLAN, Webcam, Windows 11 Home 64-bit

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More Intelligent, More Productive, More Secure

Experience effortless productivity with the ASUS Vivobook S16, your ideal companion for everyday life. Whether for work, study, or play, this ASUS Copilot+ PC helps you power through any task, designed to be more productive, intelligent, and secure. Its sleek metallic design is both practical and stylish, powered by up to AMD Ryzen™ AI 7 445 processor, with up to 50 NPU TOPs. A 70 Wh of battery capacity¹ ensure all-day productivity. Enjoy stunning visuals on the vibrant WUXGA OLED2 display and immersive sound for better video calls and streaming. Built for a balanced lifestyle, the ASUS Vivobook S16 does more for you, giving you back time to enjoy life's everyday moments.



Design		Camera	
Colour name	Matte Gray	Infrared (IR) camera	✓
Product type *	Laptop	Privacy camera	✓
Product colour *	Grey	Privacy type	Privacy shutter
Form factor *	Clamshell	Network	
Housing material	Plastic	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Display back cover material	Aluminium	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Market positioning	Home	Mobile network connection *	✗
Introduction year	2026	Antenna type	2x2
Display		Ethernet LAN	✗
Display diagonal *	40.6 cm (16")	Bluetooth	✓
Display resolution *	1920 x 1200 pixels	Bluetooth version	5.4
Touchscreen *	✗	Ports & interfaces	
HD type	WUXGA	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Panel type	OLED	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Display number of colours	1.07 billion colours	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
Display surface	Gloss	Combo headphone/mic port	✓
Display brightness	300 cd/m²	USB Type-C DisplayPort Alternate Mode	✓
RGB colour space	DCI-P3	Keyboard	
Colour gamut	95%	Pointing device	Touchpad
Low Blue Light technology	✓	Numeric keypad *	✓
Display response rise/fall	0.2 ms	Keyboard backlit	✓
Maximum refresh rate	60 Hz	Copilot key	✓
Contrast ratio (typical)	1000000:1	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	AMD		
Processor family *	AMD Ryzen™ AI 7		
Processor generation	AMD Ryzen AI 400 Series		
Processor model *	445		

Processor		Software	
Processor cores	6	Microsoft Copilot	✓
Processor threads	12	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days; McAfee 30 days free trial
Processor boost frequency	4.6 GHz		
Processor frequency *	2 GHz		
Processor cache type	L2 & L3		
L3 cache	8 MB	Operating system installed *	Windows 11 Home
L2 cache	6 MB		
Neural processor unit (NPU)		Bundled software	3-Month GoPro Premium+ Subscription *Available in eligible markets only. Eligibility varies by region, device, and time. Terms and conditions apply. See promotion pages for details. 1-Month Membership of Adobe Creative Cloud All Apps, Individual. The redemption duration from September 15, 2021 to August 31, 2026.
Copilot+ PC	✓		
Neural processor unit (NPU)	AMD Ryzen AI		
Total processor performance up to NPU performance up to	59 TOPs 50 TOPs		
Memory		Battery	
Internal memory *	16 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	DDR5-SDRAM	Number of battery cells	4
Memory form factor	On-board + SO-DIMM	Battery capacity *	70 Wh
Memory layout (slots x size)	1 x 16 GB	Removable battery	✗
Memory slots	1x SO-DIMM	Power	
Maximum internal memory *	32 GB	AC adapter power	68 W
Storage		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	3.4 A
Total SSDs capacity	1 TB	AC adapter output voltage	20 V
Number of SSDs installed	1	USB Type-C charging port *	✓
SSD capacity	1 TB	USB Type-C required charging power (min) *	45 W
SSD interface	PCI Express 4.0	USB Type-C required charging power (max) *	68 W
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Face recognition	✓
Card reader integrated	✗	Windows Hello	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete graphics card model *	Not available	Password protection	✓
On-board graphics card *	✓	Password protection type	BIOS, User
On-board GPU manufacturer	AMD	Certificates	
Discrete graphics card *	✗	Compliance certificates	REACH
On-board graphics card family	AMD Radeon	Sustainability	
On-board graphics card model *	AMD Radeon 840M	Sustainability certificates	ENERGY STAR, EPEAT Silver
Audio		Weight & dimensions	
Built-in microphone	✓	Width	357 mm
Camera		Depth	250.6 mm
Front camera	✓	Height (front)	1.59 cm
Front camera resolution	1920 x 1080 pixels	Height (rear)	1.79 cm
Front camera HD type	Full HD	Weight *	1.7 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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