

ASUS Vivobook 18 M1807GA-S8003W Copilot+ PC AMD Ryzen™ AI 7 445 Laptop 45.7 cm (18") WUXGA 16 GB DDR5-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Blue



Brand : ASUS

Product family: Vivobook

Product code: 90NB17Y1-M00240

Product name : M1807GA-S8003W Copilot+ PC

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

AMD Ryzen AI 7 445 (2GHz), 16GB DDR5-SDRAM, 1000GB SSD, 18" WUXGA 1920 x 1200 IPS-Level, AMD Radeon 840M, WLAN, Webcam, Windows 11 Home 64-bit

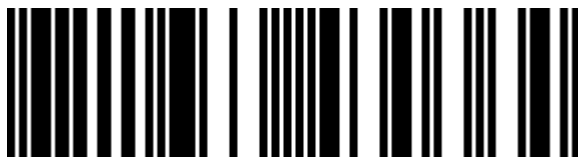
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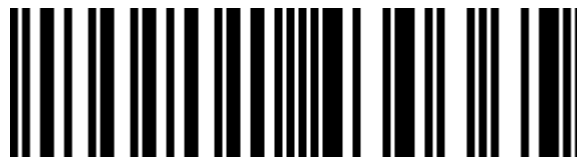
A whole new way of interaction with your PC is here. With Copilot+ PC experiences, you can accelerate your productivity and creativity. Let the new ASUS Copilot+ PC transform the ordinary into the extraordinary, making every day an adventure filled with endless possibilities.

Design		Camera	
Colour name	Quiet Blue	Front camera	✓
Product type *	Laptop	Front camera HD type	Full HD
Product colour *	Blue	Infrared (IR) camera	✓
Form factor *	Clamshell	Privacy camera	✓
Housing material	Plastic	Privacy type	Privacy shutter
Display back cover material	Plastic	Network	
Market positioning	Home	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Certified refurbished	✗	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Display		Mobile network connection *	✗
Display diagonal *	45.7 cm (18")	Antenna type	2x2
Display resolution *	1920 x 1200 pixels	Ethernet LAN	✗
Touchscreen *	✗	Bluetooth	✓
HD type	WUXGA	Bluetooth version	5.4
Panel type	IPS-Level	Ports & interfaces	
LED backlight	✓	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Native aspect ratio	16:10	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Anti-glare screen	✓	HDMI ports quantity *	1
Display brightness	300 cd/m²	HDMI version	2.1
RGB colour space	sRGB	Combo headphone/mic port	✓
Colour gamut	100%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	144 Hz	Performance	
Processor		Repairability index	8
Processor manufacturer *	AMD	Keyboard	
Processor family *	AMD Ryzen™ AI 7	Pointing device	Touchpad
Processor generation	AMD Ryzen AI 400 Series	Numeric keypad *	✓
Processor model *	445	Keyboard backlit	✓
Processor cores	6	Copilot key	✓
Processor threads	12		
Processor boost frequency	4.6 GHz		
Processor frequency *	2 GHz		
Processor cache type	L2 & L3		
L3 cache	8 MB		

Processor		Software	
L2 cache	6 MB	Operating system architecture	64-bit
Neural processor unit (NPU)		Microsoft Copilot	✓
Copilot+ PC	✓	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Neural processor unit (NPU)	AMD Ryzen AI	Operating system installed *	Windows 11 Home
Total processor performance up to	59 TOPs	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.
NPU performance up to	50 TOPs		
Memory			
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory form factor	On-board	Battery	Lithium-Ion (Li-Ion)
Memory slots	1x SO-DIMM		
Maximum internal memory *	32 GB		
Memory channels	Dual-channel		
Storage			
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	70 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	68 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	3.4 A
M.2 SSD size	2280 (22 x 80 mm)	AC adapter output voltage	20 V
Optical drive type *	✗	USB Type-C charging port *	✓
Graphics		USB Power Delivery (USB PD)	✓
Discrete graphics card model *	Not available	Security	
On-board graphics card *	✓	Face recognition	✓
On-board GPU manufacturer	AMD	Windows Hello	✓
Discrete graphics card *	✗	Trusted Platform Module (TPM)	✓
On-board graphics card family	AMD Radeon	Password protection	✓
On-board graphics card model *	AMD Radeon 840M	Password protection type	BIOS, User
On-board graphics card 4K support	✓	Certificates	
On-board graphics card 8K support	✓	Compliance certificates	REACH
AMD FreeSync	✓	Certification	US MIL-STD 810H military-grade standard
Audio		Weight & dimensions	
Audio system	SonicMaster	Width	402.5 mm
Built-in microphone	✓	Depth	274.5 mm
		Height (front)	1.86 cm
		Height (rear)	1.99 cm
		Weight *	2.6 kg
Packaging content			
		AC adapter included *	✓



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Catalog Object Cloud



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