

ASUS Vivobook 16 M1607KA-MB053W AMD Ryzen AI 7 350 Laptop 40.6 cm (16") WUXGA 16 GB DDR5-SDRAM 1 TB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Blue

Brand : ASUS

Product family: Vivobook

Product code: 90NB15F1-M00250

Product name : M1607KA-MB053W



AMD Ryzen AI 7 350 (16MB Cache, 2GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, AMD Radeon 860M, WLAN, Webcam, Windows 11 Home 64-bit

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ASUS Vivobook 16

More Intelligent, More Productive, More Secure

AI Experience

More intelligent

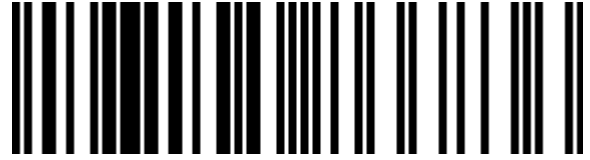
It's here! We're proud to present ASUS Copilot+ PC — ASUS Vivobook 16. Powered by the latest AI-enabled processors, this PC brings you a next-level AI experience, with enhanced security, speed, and personalization. With integrated AI engines to accelerate AI computing, Microsoft Copilot4 for personalized assistance, and a suite of powerful ASUS AI applications, your PC is now your ultimate companion. Experience the difference easier, faster, smarter, and smoother — ASUS Copilot+ PC put an extraordinary AI experience at your fingertips, now.

Design		Audio	
Colour name	Quiet Blue	Audio system	SonicMaster
Product type *	Laptop	Built-in microphone	✓
Product colour *	Blue	Camera	
Form factor *	Clamshell	Front camera	✓
Housing material	Plastic	Front camera HD type	Full HD
Market positioning	Home	Infrared (IR) camera	✓
Display		Privacy camera	✓
Display diagonal *	40.6 cm (16")	Privacy type	Privacy shutter
Display resolution *	1920 x 1200 pixels	Network	
Touchscreen *	✗	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
HD type	WUXGA	Wi-Fi standards	Wi-Fi 6 (802.11ax)
LED backlight	✓	Mobile network connection *	✗
Native aspect ratio	16:10	Antenna type	2x2
Anti-glare screen	✓	Bluetooth	✓
Display brightness	300 cd/m²	Bluetooth version	5.3
RGB colour space	NTSC	Ports & interfaces	
Colour gamut	45%	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Maximum refresh rate	60 Hz	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Processor		HDMI ports quantity *	1
Processor manufacturer *	AMD	HDMI version	2.1
Processor family *	AMD Ryzen AI 7	Combo headphone/mic port	✓
Processor generation	AMD Ryzen AI 300 Series	USB Type-C DisplayPort Alternate Mode	✓
Processor model *	350	Keyboard	
Processor cores	8	Pointing device	Touchpad
Processor threads	16		
Processor boost frequency	5 GHz		
Processor frequency *	2 GHz		
Processor cache	16 MB		

Processor		Keyboard	
Processor cache type	L3	Numeric keypad *	✓
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	AMD Ryzen AI	Operating system architecture	64-bit
Total processor performance up to	66 TOPs	Trial software	1-month trial for new Microsoft 365 customers. Credit card required. McAfee® 30 days free trial
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	DDR5-SDRAM	Number of battery cells	3
Memory form factor	On-board	Battery capacity *	42 Wh
Memory layout (slots x size)	1 x 16 GB		
Maximum internal memory *	32 GB		
Storage		Power	
Total storage capacity *	1 TB	AC adapter power	65 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	1 TB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	3.25 A
SSD capacity	1 TB	AC adapter output voltage	20 V
SSD interface	PCI Express 4.0	USB Type-C charging port *	✓
NVMe	✓	USB Power Delivery (USB PD)	✓
SSD form factor	M.2		
M.2 SSD size	2280 (22 x 80 mm)		
Optical drive type *	✗		
Graphics		Security	
Discrete graphics card model *	Not available	Windows Hello	✓
On-board graphics card *	✓	Trusted Platform Module (TPM)	✓
On-board GPU manufacturer	AMD	Password protection	✓
Discrete graphics card *	✗	Password protection type	BIOS, User
On-board graphics card family	AMD Radeon		
On-board graphics card model *	AMD Radeon 860M		
		Certificates	
		Compliance certificates	REACH
		Weight & dimensions	
		Width	357 mm
		Depth	250.6 mm
		Height (front)	1.79 cm
		Height (rear)	1.99 cm
		Weight *	1.89 kg
		Packaging content	
		AC adapter included *	✓



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