

ASUS Vivobook 16 M1607GA-MB020W 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 Silver

Brand : ASUS

Product family: Vivobook

Product code: 90NB16Z2-M00120

Product name : M1607GA-MB020W

AMD Ryzen AI 7 445 (2GHz), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level, AMD Radeon 840M, WLAN, Webcam, Windows 11 Home 64-bit

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Smart, Streamlined, Safe

ASUS Vivobook 16 is the perfect sidekick for your daily adventures. With a speedy up to AMD Ryzen™ AI 7 350 processor, up to 32 GB1 of RAM, and up to a spacious 1 TB SSD2, you'll breeze through tasks like a pro. Its stunning up to 16:10 FHD IPS 60 Hz 16-inch display brings everything to life in crisp detail. The sleek modern design features a comfy and quiet ASUS ErgoSense keyboard, a roomy touchpad with intuitive gesture support, and a flexible 180° hinge, making your workdays and playdays more efficient and enjoyable. Plus, with top-notch security features and military-grade durability, you can relax knowing your laptop is as tough as it is smart. Upgrade your everyday with this amazing ASUS Vivobook laptop!



Design		Camera	
Colour name	Cool Silver	Privacy type	Privacy shutter
Product type *	Laptop	Network	
Product colour *	Silver	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Form factor *	Clamshell	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Housing material	Plastic	Mobile network connection *	✗
Market positioning	Home	Antenna type	2x2
Introduction year	2026	Ethernet LAN	✗
Country of origin	China	Bluetooth	✓
Display		Bluetooth version	5.4
Display diagonal *	40.6 cm (16")	Ports & interfaces	
Display resolution *	1920 x 1200 pixels	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
HD type	WUXGA	HDMI ports quantity *	1
Panel type	IPS-Level	HDMI version	2.1
LED backlight	✓	Combo headphone/mic port	✓
Native aspect ratio	16:10	USB Type-C DisplayPort Alternate Mode	✓
Anti-glare screen	✓	Keyboard	
Display brightness	300 cd/m²	Pointing device	Touchpad
RGB colour space	NTSC	Numeric keypad *	✓
Colour gamut	45%	Copilot key	✓
Maximum refresh rate	60 Hz	Software	
Processor		Operating system architecture	64-bit
Processor manufacturer *	AMD	Microsoft Copilot	✓
Processor family *	AMD Ryzen™ AI 7	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee 30 days
Processor generation	AMD Ryzen AI 400 Series	Operating system installed *	Windows 11 Home
Processor model *	445		
Processor cores	6		
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	Bundled software	
Neural processor unit (NPU)			
Copilot+ PC	✓		
Neural processor unit (NPU)	AMD Ryzen AI		
Total processor performance up to NPU performance up to	59 TOPs 50 TOPs		
Memory		1-Month Membership of Adobe Creative Cloud All Apps, Individual. The redemption duration from September 15, 2021 to August 31, 2026. 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.	
Internal memory *	16 GB		
Internal memory type	DDR5-SDRAM		
Memory form factor	On-board + SO-DIMM		
Memory slots	1x SO-DIMM		
Maximum internal memory *	32 GB	Battery	
Storage		Battery technology	Lithium-Ion (Li-Ion)
Total storage capacity *	1 TB	Number of battery cells	4
Storage media *	SSD	Battery capacity *	70 Wh
Total SSDs capacity	1 TB	Fast charging	✓
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
Audio		Certificates	
Audio system	SonicMaster	Compliance certificates	REACH
Built-in microphone	✓	Weight & dimensions	
Camera		Width	357 mm
Front camera	✓	Depth	250.6 mm
Front camera resolution	1920 x 1080 pixels	Height (front)	1.79 cm
Front camera HD type	Full HD	Height (rear)	1.99 cm
Infrared (IR) camera	✓	Weight *	1.88 kg
Privacy camera	✓	Packaging data	
		Package width	65 mm
		Package depth	488 mm
		Package height	310 mm
		Package weight	2.96 kg
		Packaging content	
		AC adapter included *	✓
		Logistics data	
		Commodity Classification Automated Tracking System (CCATS)	8471300000



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Catalog Object Cloud



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