

ASUS Vivobook 16 M1607KA-DS52-CB AMD Ryzen™ AI 5 340 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-M00820

Product name : M1607KA-DS52-CB

- Windows 11 Home 64-bit
 - AMD Ryzen AI 5 340 (2GHz)
 - 40.6 cm (16") WUXGA 1920 x 1200 IPS-Level
 - 16GB DDR5-SDRAM & 1000GB SSD
- AMD Ryzen AI 5 340 (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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ASUS Vivobook 16

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More intelligent

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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)
Panel type	IPS-Level	Mobile network connection *	✗
LED backlight	✓	Antenna type	2x2
Native aspect ratio	16:10	Bluetooth	✓
Anti-glare screen	✓	Bluetooth version	5.3
Display brightness	300 cd/m ²	Ports & interfaces	
RGB colour space	NTSC	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Colour gamut	45%	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
Maximum refresh rate	60 Hz	HDMI ports quantity *	1
Processor		HDMI version	2.1
Processor manufacturer *	AMD	Combo headphone/mic port	✓
Processor family *	AMD Ryzen™ AI 5	USB Type-C DisplayPort Alternate Mode	✓
Processor generation	AMD Ryzen AI 300 Series		
Processor model *	340		
Processor cores	6		
Processor threads	12		
Processor boost frequency	4.8 GHz		

Processor		Performance	
Processor frequency *	2 GHz	Repairability index	9.2
Processor cache type	L2 & L3	Keyboard	
Neural processor unit (NPU)		Pointing device	Touchpad
Neural processor unit (NPU)	AMD Ryzen AI	Numeric keypad *	✓
Total processor performance up to	59 TOPs	Keyboard backlit	✓
NPU performance up to	50 TOPs	Software	
Memory		Operating system architecture	64-bit
Internal memory *	16 GB	Trial software	1-month trial for new Microsoft 365 customers. Credit card required. McAfee® 30 days free trial
Internal memory type	DDR5-SDRAM	Operating system installed *	Windows 11 Home
Memory form factor	On-board	Battery	
Memory slots	1x SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	32 GB	Number of battery cells	3
Memory channels	Dual-channel	Battery capacity *	42 Wh
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	Security	
M.2 SSD size	2280 (22 x 80 mm)	Windows Hello	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Graphics		Password protection	✓
Discrete graphics card model *	Not available	Password protection type	BIOS, User
On-board graphics card *	✓	Certificates	
On-board GPU manufacturer	AMD	Compliance certificates	REACH
Discrete graphics card *	✗	Sustainability	
On-board graphics card family	AMD Radeon	Sustainability certificates	ENERGY STAR
On-board graphics card model *	AMD Radeon 840M	Weight & dimensions	
On-board graphics card 4K support	✓	Width	357 mm
On-board graphics card 8K support	✓	Depth	250.6 mm
AMD FreeSync	✓	Height (front)	1.79 cm
		Height (rear)	1.99 cm
		Weight *	1.88 kg
		Packaging content	
		AC adapter included *	✓



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Catalog Object Cloud



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