

## ASUS Vivobook 16 X1605ZA-MB116W Intel® Core™ i7 i7-1255U Laptop 40.6 cm (16") WUXGA 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Silver

**Brand :** ASUS

**Product family:** Vivobook

**Product code:** 90NB0ZA2-M00MY0

**Product name :** X1605ZA-MB116W



- Windows 11 Home 64-bit
- Intel Core i7-1255U (12MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS
- 8GB DDR4-SDRAM (1 x 8) & 512GB SSD

Intel Core i7-1255U (12MB Cache), 8GB DDR4-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, WLAN, Webcam, Windows 11 Home 64-bit

ASUS Vivobook 16 X1605ZA-MB116W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-1255U. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 8 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics. Operating system installed: Windows 11 Home. Product colour: Silver. Weight: 1.88 kg



Design		Graphics	
Colour name	Transprant Silver	On-board graphics card model *	Intel® UHD Graphics
Product type *	Laptop	<b>Audio</b>	
Product colour *	Silver	Audio system	SonicMaster
Form factor *	Clamshell	Built-in microphone	✓
Housing material	Plastic	<b>Camera</b>	
Market positioning	Home	Front camera	✓
<b>Display</b>		Front camera HD type	HD
Display diagonal *	40.6 cm (16")	Privacy camera	✓
Display resolution *	1920 x 1200 pixels	Privacy type	Privacy shutter
Touchscreen *	✗	<b>Network</b>	
HD type	WUXGA	Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Panel type	IPS	Wi-Fi standards	Wi-Fi 6 (802.11ax)
Native aspect ratio	16:10	Mobile network connection *	✗
Anti-glare screen	✓	Antenna type	2x2
Display brightness	300 cd/m <sup>2</sup>	Ethernet LAN	✗
RGB colour space	NTSC	Bluetooth	✓
Colour gamut	45%	Bluetooth version	5.3
<b>Processor</b>		<b>Ports &amp; interfaces</b>	
Processor manufacturer *	Intel	USB 2.0 ports quantity *	1
Processor family *	Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor generation	12th gen Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor model *	i7-1255U	HDMI ports quantity *	1
Processor cores	10	HDMI version	1.4
Processor boost frequency	4.7 GHz	Combo headphone/mic port	✓
Performance cores	2	Charging port type	DC-in jack
Efficient cores	8	Power adapter barrel connector	4.5 mm
Performance-core Max Turbo Frequency	4.7 GHz		

<b>Processor</b>		<b>Keyboard</b>	
Efficient-core Max Turbo Frequency	3.5 GHz	Pointing device	Touchpad
Processor cache	12 MB	Numeric keypad *	✓
Processor cache type	Smart Cache	<b>Software</b>	
Configurable TDP-down	12 W	Operating system architecture	64-bit
Processor base power	15 W	Trial software	1-month trial for new Microsoft 365 customers
Maximum turbo power	55 W	Operating system installed *	Windows 11 Home
<b>Memory</b>		<b>Processor special features</b>	
Internal memory *	8 GB	CPU configuration (max)	1
Internal memory type	DDR4-SDRAM	<b>Battery</b>	
Memory form factor	On-board + SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Memory layout (slots x size)	1 x 8 GB	Number of battery cells	3
Memory slots	1x SO-DIMM	Battery capacity *	42 Wh
Maximum internal memory *	16 GB	<b>Power</b>	
<b>Storage</b>		AC adapter power	45 W
Total storage capacity *	512 GB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	512 GB	AC adapter output current	2.37 A
Number of SSDs installed	1	AC adapter output voltage	19 V
SSD capacity	512 GB	<b>Security</b>	
SSD interface	PCI Express 3.0	Trusted Platform Module (TPM)	✓
NVMe	✓	Password protection	✓
SSD form factor	M.2	Password protection type	BIOS, User
Optical drive type *	✗	<b>Weight &amp; dimensions</b>	
Card reader integrated	✗	Width	358.7 mm
<b>Graphics</b>		Depth	249.5 mm
Discrete graphics card model *	Not available	Height	19.9 mm
On-board graphics card *	✓	Weight *	1.88 kg
Discrete graphics card *	✗		
On-board graphics card family	Intel® UHD Graphics		



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