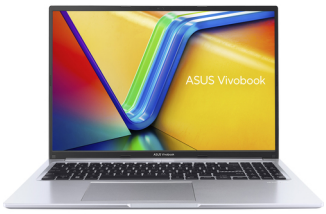
ASUS Vivobook 16 X1605ZA-MB116W Intel® Core™ i7 i7-1255U Laptop 40.6 cm (16") WUXGA 8 GB DDR4-SDRAM 512 GB SSD Wi-Fi 6 (802.11ax) Windows 11 Home Silver



Brand : ASUS

Product family: Vivobook

Product code: 90NB1601-M000E0

Product name : X1605ZA-MB116W

- Windows 11 Home
- 12th Gen Intel® Core™ i7 processor
- 16” WUXGA(WU) 1920x1200 NanoEdge display
- 60Hz refresh rate
- 8 GB DDR4 memory
- 512 GB SSD storage
- Treated with ASUS Antibacterial Guard
- Physical webcam privacy shield
- 180° lay-flat hinge
- ASUS WiFi Master technology

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

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:

Let Your Vision Shine
Everything is smoother with the powerful ASUS Vivobook 16, the feature-packed laptop with a brilliant 60 Hz display that has a cinema-grade gamut. And everything’s easier too, thanks to user-friendly features including a 180° lay-flat hinge, a physical webcam shield and dedicated function keys to turn your mic and camera on or off. Your health is in safe hands with ASUS Antibacterial Guard protecting frequently-touched surfaces. Enjoy the smooth power of Vivobook 16!

Design	
Colour name	Transprant Silver
Product type *	Laptop
Product colour *	Silver
Form factor *	Clamshell
Housing material	Plastic
Market positioning	Home

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Native aspect ratio	16:10
Anti-glare screen	✓
Display brightness	300 cd/m²
RGB colour space	NTSC
Colour gamut	45%
Maximum refresh rate	60 Hz

Processor	
Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	12th gen Intel® Core™ i7
Processor model *	i7-1255U
Processor cores	10
Processor boost frequency	4.7 GHz
Performance cores	2
Efficient cores	8

Camera	
Front camera	✓
Front camera HD type	HD
Privacy camera	✓
Privacy type	Privacy shutter

Network	
Top Wi-Fi standard *	Wi-Fi 6 (802.11ax)
Wi-Fi standards	Wi-Fi 6 (802.11ax)
Mobile network connection *	✗
Antenna type	2x2
Ethernet LAN	✗
Bluetooth	✓
Bluetooth version	5.3

Ports & interfaces	
USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
HDMI ports quantity *	1
HDMI version	1.4
Headphone outputs	1
Combo headphone/mic port	✓
Power adapter barrel connector	4.5 mm

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✓

Processor	
Performance-core Max Turbo Frequency	4.7 GHz
Efficient-core Max Turbo Frequency	3.5 GHz
Processor cache	12 MB
Processor cache type	Smart Cache
Configurable TDP-down	12 W
Processor base power	15 W
Maximum turbo power	55 W

Memory	
Internal memory *	8 GB
Internal memory type	DDR4-SDRAM
Memory form factor	On-board + SO-DIMM
Memory slots	1x SO-DIMM
Maximum internal memory *	16 GB

Storage	
Total storage capacity *	512 GB
Storage media *	SSD
Total SSDs capacity	512 GB
Number of SSDs installed	1
SSD capacity	512 GB
SSD interface	PCI Express 3.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✘
Card reader integrated	✘

Graphics	
Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete graphics card *	✘
On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio	
Audio system	SonicMaster
Built-in microphone	✔

Software	
Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers
Operating system installed *	Windows 11 Home

Processor special features	
CPU configuration (max)	1

Battery	
Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	3
Battery capacity *	42 Wh

Power	
AC adapter power	45 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	2.37 A
AC adapter output voltage	19 V
DC-in jack	✔
USB Type-C charging port *	✘
USB Power Delivery (USB PD)	✘

Security	
Trusted Platform Module (TPM)	✔
Password protection	✔
Password protection type	BIOS, User

Certificates	
Compliance certificates	REACH

Sustainability	
Sustainability certificates	ENERGY STAR

Weight & dimensions	
Width	358.7 mm
Depth	249.5 mm
Height	19.9 mm
Weight *	1.88 kg

Packaging content	
AC adapter included *	✔

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