



ASUS VivoBook 16X K3605ZU-N1058W Intel® Core™ i7 i7-12650H Laptop 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4050 Wi-Fi 6E (802.11ax) Windows 11 Home Silver



Brand : ASUS

Product family: VivoBook

Product code: 90NB11X2-M002D0

Product name : K3605ZU-N1058W

- Windows 11 Home 64-bit
- Intel Core i7-12650H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200 IPS, NVIDIA GeForce RTX 4050 (6GB GDDR6)
- 16GB DDR4-SDRAM (1 x 16) & 512GB SSD

Intel Core i7-12650H (24MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200 IPS, Intel UHD Graphics, NVIDIA GeForce RTX 4050 (6GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

ASUS VivoBook 16X K3605ZU-N1058W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-12650H. Display diagonal: 40.6 cm (16"), HD type: WUXGA, Display resolution: 1920 x 1200 pixels. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM. Total storage capacity: 512 GB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4050. Operating system installed: Windows 11 Home. Product colour: Silver



Design		Camera	
Colour name	Cool Silver	Privacy type	Privacy shutter
Product type *	Laptop	Network	
Product colour *	Silver	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Form factor *	Clamshell	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Housing material	Plastic	Mobile network connection *	✗
Market positioning	Home	Antenna type	1x1
Introduction year	2023	Ethernet LAN	✗
Country of origin	China	Bluetooth	✓
Display		Bluetooth version	5.3
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 *	✗	HDMI ports quantity *	1
HD type	WUXGA	HDMI version	2.1
Panel type	IPS	Thunderbolt 4 ports quantity	1
Native aspect ratio	16:10	Intel® Thunderbolt 4	✓
Anti-glare screen	✓	Combo headphone/mic port	✓
Display brightness	300 cd/m ²	Charging port type	DC-in jack
RGB colour space	sRGB	Power adapter barrel connector	4.5 mm
Colour gamut	100%	USB Type-C DisplayPort Alternate Mode	✓
Maximum refresh rate	120 Hz	USB Power Delivery	✓
Processor		Keyboard	
Processor manufacturer *	Intel	Pointing device	Touchpad
Processor family *	Intel® Core™ i7	Numeric keypad *	✓
Processor generation	12th gen Intel® Core™ i7	Keyboard backlit	✓
Processor model *	i7-12650H	Software	
Processor cores	10	Operating system architecture	64-bit
Processor boost frequency	4.7 GHz		
Processor cache	24 MB		

Processor		Software	
Configurable TDP-down	35 W	Trial software	1-month trial for new Microsoft 365 customers, McAfee® LiveSafe
Memory		Operating system installed *	Windows 11 Home
Internal memory *	16 GB	Processor special features	
Internal memory type	DDR4-SDRAM	CPU configuration (max)	1
Memory form factor	On-board + SO-DIMM	Battery	
Memory layout (slots x size)	1 x 16 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory slots	1x SO-DIMM	Number of battery cells	3
Storage		Battery capacity *	70 Wh
Total storage capacity *	512 GB	Power	
Storage media *	SSD	AC adapter power	120 W
Total SSDs capacity	512 GB	AC adapter frequency	50 - 60 Hz
Number of SSDs installed	1	AC adapter input voltage	100 - 240 V
SSD capacity	512 GB	AC adapter output current	6 A
SSD interface	PCI Express 4.0	AC adapter output voltage	20 V
NVMe	✓	Security	
SSD form factor	M.2	Fingerprint reader	✓
Optical drive type *	✗	Trusted Platform Module (TPM)	✓
Card reader integrated	✓	Password protection	✓
Compatible memory cards	SD	Password protection type	BIOS, User
Graphics		Sustainability	
Discrete GPU manufacturer	NVIDIA	Sustainability compliance	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4050	Sustainability certificates	EPEAT Silver, ENERGY STAR, RoHS, REACH
Discrete graphics card memory	6 GB	Weight & dimensions	
Discrete graphics memory type	GDDR6	Width	358.6 mm
On-board graphics card *	✓	Depth	249.1 mm
On-board GPU manufacturer	Intel	Height	18.9 mm
Discrete graphics card *	✓	Weight *	1.8 kg
On-board graphics card model *	Intel® UHD Graphics	Packaging data	
Audio		Package width	65 mm
Audio system	SonicMaster	Package depth	488 mm
Built-in microphone	✓	Package height	310 mm
Camera		Package weight	4.82 kg
Front camera	✓	Logistics data	
Front camera HD type	HD	Commodity Classification	
Privacy camera	✓	Automated Tracking System (CCATS)	8471300000



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