



ASUS VivoBook 16X K3605ZV-N1045W Intel® Core™ i7 i7-12650H Laptop 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 4060 Wi-Fi 6E (802.11ax) Windows 11 Home Silver



Brand : ASUS

Product family: VivoBook

Product code: 90NB11W2-M001Z0

Product name : K3605ZV-N1045W

- Windows 11 Home 64-bit
- Intel Core i7-12650H (24MB Cache)
- 40.6 cm (16") WUXGA 1920 x 1200, NVIDIA GeForce RTX 4060 (8GB GDDR6)
- 16GB DDR4-SDRAM & 512GB SSD

Intel Core i7-12650H (24MB Cache), 16GB DDR4-SDRAM, 512GB SSD, 40.6 cm (16") WUXGA 1920 x 1200, Intel UHD Graphics, NVIDIA GeForce RTX 4060 (8GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

ASUS VivoBook 16X K3605ZV-N1045W. 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 4060. Operating system installed: Windows 11 Home. Product colour: Silver



Design		Graphics	
Colour name	Cool Silver	On-board graphics card model *	Intel® UHD Graphics
Product type *	Laptop	Audio	
Product colour *	Silver	Audio system	SonicMaster
Form factor *	Clamshell	Built-in microphone	✓
Housing material	Aluminium, Plastic	Camera	
Display		Front camera	✓
Display diagonal *	40.6 cm (16")	Front camera HD type	HD
Display resolution *	1920 x 1200 pixels	Privacy camera	✓
Touchscreen *	✗	Privacy type	Privacy shutter
HD type	WUXGA	Network	
LED backlight	✓	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Anti-glare screen	✓	Mobile network connection *	✗
Display brightness	300 cd/m ²	Antenna type	1x1
RGB colour space	sRGB	Ethernet LAN	✗
Colour gamut	100%	Bluetooth	✓
Maximum refresh rate	120 Hz	Bluetooth version	5.3
Processor		Ports & interfaces	
Processor manufacturer *	Intel	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor family *	Intel® Core™ i7	HDMI ports quantity *	1
Processor generation	12th gen Intel® Core™ i7	HDMI version	2.1
Processor model *	i7-12650H	Thunderbolt 4 ports quantity	1
Processor cores	10	Intel® Thunderbolt 4	✓
Processor boost frequency	4.7 GHz	Combo headphone/mic port	✓
Performance cores	6	Charging port type	DC-in jack
Efficient cores	4	Power adapter barrel connector	4.5 mm
Performance-core Max Turbo Frequency	4.7 GHz		

Processor		Ports & interfaces	
Efficient-core Max Turbo Frequency	3.5 GHz	USB Type-C DisplayPort Alternate Mode	✓
Processor cache	24 MB	USB Power Delivery	✓
Processor cache type	Smart Cache	Keyboard	
Configurable TDP-down	35 W	Pointing device	Touchpad
Processor base power	45 W	Numeric keypad *	✓
Maximum turbo power	115 W	Keyboard backlit	✓
Memory		Software	
Internal memory *	16 GB	Operating system architecture	64-bit
Internal memory type	DDR4-SDRAM	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee LiveSafe 30 days
Memory form factor	On-board	Operating system installed *	Windows 11 Home
Memory slots	1x SO-DIMM	Processor special features	
Maximum internal memory *	16 GB	CPU configuration (max)	1
Storage		Battery	
Total storage capacity *	512 GB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	3
Total SSDs capacity	512 GB	Battery capacity *	70 Wh
Number of SSDs installed	1	Power	
SSD capacity	512 GB	AC adapter power	120 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	6 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✓	Security	
Compatible memory cards	SD	Fingerprint reader	✓
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4060	Password protection type	BIOS, User
Discrete graphics card memory	8 GB	Sustainability	
Discrete graphics memory type	GDDR6	Sustainability certificates	EPEAT Silver, ENERGY STAR, RoHS, REACH
On-board graphics card *	✓	Weight & dimensions	
On-board GPU manufacturer	Intel	Width	358.6 mm
Discrete graphics card *	✓	Depth	249.1 mm
On-board graphics card family	Intel® UHD Graphics	Height	18.9 mm
		Weight *	1.8 kg



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