



ASUS VivoBook 16X K3605ZC-N1097W Intel® Core™ i7 i7-12650H Laptop 40.6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 3050 Wi-Fi 6E (802.11ax) Windows 11 Home Silver



Brand : ASUS

Product family: VivoBook

Product code: 90NB11F2-M006C0

Product name : K3605ZC-N1097W

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 3050 (4GB GDDR6), WLAN, Webcam, Windows 11 Home 64-bit

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Set your imagination free

Set your imagination free with the powerful Vivobook 16X! Whether it's for creative work or gaming fun, its 12th Gen Intel® Core™ H-series processor and NVIDIA® GeForce RTX™ 3050 Laptop GPU give you all the multitasking power you need, with a MUX Switch 1 to put you in full control of the graphics performance. Give your eyes a treat with the awesome WUXGA(WU) 1920X1200 120 Hz NanoEdge display that delivers ultravivid colours and super-smooth visuals, and get ready to explore the worlds of your imagination!



Design		Camera	
Colour name	Cool Silver	Privacy camera	✓
Product type *	Laptop	Privacy type	Privacy shutter
Product colour *	Silver	Network	
Form factor *	Clamshell	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Housing material	Plastic	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Market positioning	Home	Mobile network connection *	✗
Introduction year	2023	Antenna type	1x1
Country of origin	China	Ethernet LAN	✗
Display		Bluetooth	✓
Display diagonal *	40.6 cm (16")	Bluetooth version	5.3
Display resolution *	1920 x 1200 pixels	Ports & interfaces	
Touchscreen *	✗	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
HD type	WUXGA	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Panel type	IPS	HDMI ports quantity *	1
Native aspect ratio	16:10	HDMI version	2.1
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 Power Delivery	✓
Maximum refresh rate	120 Hz	Keyboard	
Processor		Pointing device	Touchpad
Processor manufacturer *	Intel	Numeric keypad *	✓
Processor family *	Intel® Core™ i7	Keyboard backlit	✓
Processor generation	12th gen Intel® Core™ i7	Software	
Processor model *	i7-12650H	Operating system architecture	64-bit
Processor cores	10		
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)	2 x 8 GB	Battery technology	Lithium-Ion (Li-Ion)
Memory slots	1x SO-DIMM	Number of battery cells	3
Maximum internal memory *	16 GB	Battery capacity *	50 Wh
Storage		Power	
Total storage capacity *	512 GB	AC adapter power	120 W
Storage media *	SSD	AC adapter frequency	50 - 60 Hz
Total SSDs capacity	512 GB	AC adapter input voltage	100 - 240 V
Number of SSDs installed	1	AC adapter output current	6 A
SSD capacity	512 GB	AC adapter output voltage	20 V
SSD interface	PCI Express 3.0	Security	
NVMe	✓	Fingerprint reader	✗
SSD form factor	M.2	Trusted Platform Module (TPM)	✓
Optical drive type *	✗	Password protection	✓
Card reader integrated	✓	Password protection type	BIOS, User
Compatible memory cards	SD	Sustainability	
Graphics		Sustainability compliance	✓
Discrete GPU manufacturer	NVIDIA	Sustainability certificates	EPEAT Silver, ENERGY STAR, RoHS, REACH
Discrete graphics card model *	NVIDIA GeForce RTX 3050	Weight & dimensions	
Discrete graphics card memory	4 GB	Width	358.6 mm
Discrete graphics memory type	GDDR6	Depth	249.1 mm
On-board graphics card *	✓	Height	18.9 mm
On-board GPU manufacturer	Intel	Weight *	1.8 kg
Discrete graphics card *	✓	Packaging data	
On-board graphics card model *	Intel® UHD Graphics	Package width	65 mm
Audio		Package depth	488 mm
Audio system	SonicMaster	Package height	310 mm
Built-in microphone	✓	Package weight	4.82 kg
Camera		Logistics data	
Front camera	✓	Commodity Classification	
Front camera HD type	HD	Automated Tracking System (CCATS)	8471300000



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