

ASUS Vivobook 16X K3605ZF-MB339W Intel® Core™ i5 i5-12500H Laptop 40,6 cm (16") WUXGA 16 GB DDR4-SDRAM 512 GB SSD NVIDIA GeForce RTX 2050 Wi-Fi 6E (802.11ax) Windows 11 Home Black



Brand : ASUS

Product family: Vivobook

Article code: 90NB11E1-M00F60

Product name : K3605ZF-MB339W

ASUS Vivobook 16X K3605ZF-MB339W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i5, Processor model: i5-12500H. 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 Iris Xe Graphics, Discrete graphics card model: NVIDIA GeForce RTX 2050. Operating system installed: Windows 11 Home. Product color: Black

Design		Graphics	
Colour name	Indie Black	On-board graphics card model *	Intel Iris Xe Graphics
Product type *	Laptop	Audio	
Product colour *	Black	Audio system	SonicMaster
Form factor *	Clamshell	Built-in microphone	✓
Housing material	Plastic	Camera	
Market positioning	Home	Front camera	✓
Introduction year	2023	Front camera resolution	1280 x 720 pixels
Display		Front camera HD type	HD
Display diagonal *	40.6 cm (16")	Privacy camera	✓
Display resolution *	1920 x 1200 pixels	Privacy type	Privacy shutter
Touchscreen *	✗	Network	
HD type	WUXGA	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Panel type	IPS	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Native aspect ratio	16:10	Mobile network connection *	✗
Anti-glare screen	✓	Antenna type	2x2
Display brightness	300 cd/m²	Ethernet LAN	✗
RGB colour space	sRGB	Bluetooth	✓
Colour gamut	100%	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™ i5	USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	1
Processor generation	12th gen Intel® Core™ i5	HDMI ports quantity *	1
Processor model *	i5-12500H	HDMI version	2.1
Processor cores	12	Combo headphone/mic port	✓
Processor boost frequency	4.5 GHz	Charging port type	DC-in jack
Performance cores	4	Power adapter barrel connector	4.5 mm
Efficient cores	8	Performance	
Performance-core Max Turbo Frequency	4.5 GHz	Repairability index	8.1
Efficient-core Max Turbo Frequency	3.3 GHz	Keyboard	
Processor cache	18 MB	Pointing device	Touchpad
Processor cache type	Smart Cache	Numeric keypad *	✓
Processor base power	45 W		
Maximum turbo power	95 W		

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, McAfee® LiveSafe
Memory form factor	On-board + SO-DIMM	Operating system installed *	Windows 11 Home
Memory layout (slots x size)	1 x 8 GB	Battery	
Memory slots	1x SO-DIMM	Battery technology	Lithium-Ion (Li-Ion)
Maximum internal memory *	16 GB	Number of battery cells	3
Storage		Battery capacity *	50 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	✓	USB Power Delivery (USB PD) *	✓
SSD form factor	M.2	Security	
Optical drive type *	✗	Fingerprint reader	✓
Card reader integrated	✓	Trusted Platform Module (TPM)	✓
Compatible memory cards	SD	Password protection	✓
Graphics		Password protection type	BIOS, User
Discrete GPU manufacturer	NVIDIA	Certificates	
Discrete graphics card model *	NVIDIA GeForce RTX 2050	Compliance certificates	RoHS, REACH
Discrete graphics card memory	4 GB	Sustainability	
Discrete graphics memory type	GDDR6	Sustainability compliance	✓
On-board graphics card *	✓	Sustainability certificates	EPEAT Silver, ENERGY STAR
On-board GPU manufacturer	Intel	Weight & dimensions	
Discrete graphics card *	✓	Width	358.6 mm
On-board graphics card family	Intel Iris Xe Graphics	Depth	249.1 mm
		Height	18.9 mm
		Weight *	1.8 kg



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