ASUS

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

Colour name	Indie Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Plastic
Market positioning	Home
Introduction year	2023

Display

Display diagonal *	40.6 cm (16")
Display resolution *	1920 x 1200 pixels
Touchscreen *	✗
HD type	WUXGA
Panel type	IPS
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	300 cd/m²
RGB colour space	sRGB
Colour gamut	100%

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	12th gen Intel® Core™ i5
Processor model *	i5-12500H
Processor cores	12
Processor boost frequency	4.5 GHz
Performance cores	4
Efficient cores	8
Performance-core Max Turbo Frequency	4.5 GHz
Efficient-core Max Turbo Frequency	3.3 GHz
Processor cache	18 MB
Processor cache type	Smart Cache
Processor base power	45 W
Maximum turbo power	95 W

Graphics

On-board graphics card model *	Intel Iris Xe Graphics

Audio

Audio system	SonicMaster
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1280 x 720 pixels
Front camera HD type	HD
Privacy camera	✔
Privacy type	Privacy shutter

Network

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

Ports & interfaces

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	2.1
Combo headphone/mic port	✔
Charging port type	DC-in jack
Power adapter barrel connector	4.5 mm

Performance

Repairability index	8.1

Keyboard

Pointing device	Touchpad
Numeric keypad *	✔

Memory

Internal memory *	16 GB
Internal memory type	DDR4-SDRAM
Memory form factor	On-board + SO-DIMM
Memory layout (slots x size)	1 x 8 GB
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 4.0
NVMe	✔
SSD form factor	M.2
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	SD

Graphics

Discrete GPU manufacturer	NVIDIA
Discrete graphics card model *	NVIDIA GeForce RTX 2050
Discrete graphics card memory	4 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✔
On-board GPU manufacturer	Intel
Discrete graphics card *	✔
On-board graphics card family	Intel Iris Xe Graphics

Software

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

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	3
Battery capacity *	50 Wh

Power

AC adapter power	120 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	6 A
AC adapter output voltage	20 V
USB Power Delivery (USB PD) *	✔

Security

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

Certificates

Compliance certificates	RoHS, REACH

Sustainability

Sustainability compliance	✔
Sustainability certificates	EPEAT Silver, ENERGY STAR

Weight & dimensions

Width	358.6 mm
Depth	249.1 mm
Height	18.9 mm
Weight *	1.8 kg

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