ASUS VivoBook Pro 16X K6604JI-K8055W Intel® Core™ i7 i7-13650HX Laptop 40.6 cm (16") WQXGA 16 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Home Black

Brand : ASUS

Product family: VivoBook

Product code: 90NB10Z2-M00240

Product name : K6604JI-K8055W

- Windows 11 Home 64-bit
- Intel Core i7-13650HX (24MB Cache)
- 40.6 cm (16") WQXGA 2560 x 1600, NVIDIA GeForce RTX 4070 (8GB GDDR6)
- 16GB DDR5-SDRAM & 1000GB SSD

Intel Core i7-13650HX (24MB Cache), 16GB DDR5-SDRAM, 1000GB SSD, 40.6 cm (16") WQXGA 2560 x 1600, Intel UHD Graphics, NVIDIA GeForce RTX 4070 (8GB GDDR6), LAN, WLAN, Webcam, Windows 11 Home 64-bit
ASUS VivoBook Pro 16X K6604JI-K8055W. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i7, Processor model: i7-13650HX. Display diagonal: 40.6 cm (16"), HD type: WQXGA, Display resolution: 2560 x 1600 pixels. Internal memory: 16 GB, Internal memory type: DDR5-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: Intel® UHD Graphics, Discrete graphics card model: NVIDIA GeForce RTX 4070. Operating system installed: Windows 11 Home. Product colour: Black
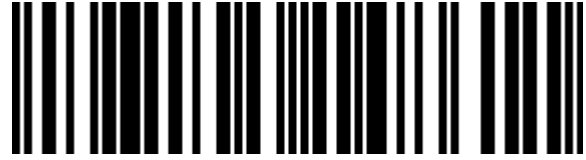
Design

Colour name	0°Black
Product type *	Laptop
Product colour *	Black
Form factor *	Clamshell
Housing material	Aluminium, Plastic

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2560 x 1600 pixels
Touchscreen *	✘
HD type	WQXGA
LED backlight	✔
Native aspect ratio	16:10
Anti-glare screen	✔
Display brightness	500 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Maximum refresh rate	165 Hz

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	13th gen Intel® Core™ i7
Processor model *	i7-13650HX
Processor cores	14
Processor boost frequency	4.9 GHz
Performance cores	6
Efficient cores	8
Performance-core Max Turbo Frequency	4.9 GHz

Graphics

On-board graphics card family	Intel® UHD Graphics
On-board graphics card model *	Intel® UHD Graphics

Audio

Speakers manufacturer	Harman Kardon
Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	Full 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	1x1
Ethernet LAN	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	5.3

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
HDMI version	2.1
Thunderbolt 4 ports quantity	2
Intel® Thunderbolt 4	✔

Processor

Efficient-core Max Turbo Frequency	3.6 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Bus type	DMI4
Configurable TDP-down	45 W
Processor base power	55 W
Maximum turbo power	157 W

Memory

Internal memory *	16 GB
Internal memory type	DDR5-SDRAM
Memory form factor	SO-DIMM
Memory slots	2x SO-DIMM
Maximum internal memory *	32 GB

Storage

Total storage capacity *	1 TB
Storage media *	SSD
Total SSDs capacity	1 TB
Number of SSDs installed	1
SSD capacity	1 TB
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 4070
Discrete graphics card memory	8 GB
Discrete graphics memory type	GDDR6
On-board graphics card *	✓
On-board GPU manufacturer	Intel
Discrete graphics card *	✓

Ports & interfaces

Combo headphone/mic port	✓
Charging port type	DC-in jack
Power adapter barrel connector	6.0 mm
USB Type-C DisplayPort Alternate Mode	✓
USB Power Delivery	✓

Keyboard

Pointing device	Touchpad
Numeric keypad *	✓
Keyboard backlit	✓

Software

Operating system architecture	64-bit
Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee LiveSafe 30 days
Operating system installed *	Windows 11 Home

Processor special features

CPU configuration (max)	1

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	90 Wh

Power

AC adapter power	240 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	12 A
AC adapter output voltage	20 V

Security

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

Weight & dimensions

Width	355 mm
Depth	249 mm
Height	21.9 mm
Weight *	1.9 kg

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