



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

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

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Wow the World with Ultimate Power

Get the ultimate creative experience with ASUS Vivobook Pro 16X ! It features the world's leading 16-inch WQXGA display, the latest Intel® Core™ HX55 desktop-level processor and up to an NVIDIA® GeForce RTX™ 4070 Laptop GPU — empowering maximum performance for any task, no matter how tough. This powerhouse is chilled by ASUS IceCool Pro thermal technology, with dual fans and four vents to keep it cool and quiet. It's also loaded with superb connectivity, including dual Thunderbolt™ 4 ports and a standard SD card reader for easy file transfers. With an onboard MUX switch and multi-dimensional Dolby Atmos audio built right in, Vivobook Pro 16X also delivers maximum productivity and entertainment. Get ready to create!



Design		Graphics	
Colour name	0°Black	On-board graphics card family	Intel® UHD Graphics
Product type *	Laptop	On-board graphics card model *	Intel® UHD Graphics
Product colour *	Black	Audio	
Form factor *	Clamshell	Speakers manufacturer	Harman Kardon
Housing material	Aluminium, Plastic	Built-in microphone	✓
Market positioning	Performance	Camera	
Display		Front camera	✓
Display diagonal *	40.6 cm (16")	Front camera resolution	1920 x 1080 pixels
Display resolution *	2560 x 1600 pixels	Front camera HD type	Full HD
Touchscreen *	✗	Privacy camera	✓
HD type	WQXGA	Privacy type	Privacy shutter
LED backlight	✓	Network	
Native aspect ratio	16:10	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Anti-glare screen	✓	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Display brightness	500 cd/m ²	Mobile network connection *	✗
RGB colour space	DCI-P3	Antenna type	1x1
Colour gamut	100%	Ethernet LAN	✓
Maximum refresh rate	165 Hz	Ethernet LAN data rates	10,100,1000 Mbit/s
Processor		Bluetooth	✓
Processor manufacturer *	Intel	Bluetooth version	5.3
Processor family *	Intel® Core™ i7	Ports & interfaces	
Processor generation	13th gen Intel® Core™ i7	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor model *	i7-13650HX	Ethernet LAN (RJ-45) ports	1
Processor cores	14	HDMI ports quantity *	1
Processor boost frequency	4.9 GHz	HDMI version	2.1
Performance cores	6	Thunderbolt 4 ports quantity	2
Efficient cores	8		

Processor		Ports & interfaces	
Performance-core Max Turbo Frequency	4.9 GHz	Intel® Thunderbolt 4	✓
Efficient-core Max Turbo Frequency	3.6 GHz	Combo headphone/mic port	✓
Processor cache	24 MB	Charging port type	DC-in jack
Processor cache type	Smart Cache	Power adapter barrel connector	6.0 mm
Bus type	DMI4	USB Type-C DisplayPort Alternate Mode	✓
Configurable TDP-down	45 W	USB Power Delivery	✓
Processor base power	55 W		
Maximum turbo power	157 W		
Memory		Keyboard	
Internal memory *	16 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✓
Memory form factor	SO-DIMM	Keyboard backlit	✓
Memory slots	2x SO-DIMM		
Maximum internal memory *	64 GB		
Storage		Software	
Total storage capacity *	1 TB	Operating system architecture	64-bit
Storage media *	SSD	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, McAfee LiveSafe 30 days
Total SSDs capacity	1 TB	Operating system installed *	Windows 11 Home
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		Processor special features	
Discrete GPU manufacturer	NVIDIA	CPU configuration (max)	1
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 *	✓		
		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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