

ASUS Vivobook Pro 16X OLED K6604JI-MX084X Intel® Core™ i9 i9-13980HX Laptop 40,6 cm (16") 32 GB DDR5-SDRAM 1 TB SSD NVIDIA GeForce RTX 4070 Wi-Fi 6E (802.11ax) Windows 11 Pro Black



Brand : ASUS

Product family: Vivobook

Article code: 90NB10Z2-M003P0

Product name : K6604JI-MX084X

ASUS Vivobook Pro 16X OLED K6604JI-MX084X. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i9, Processor model: i9-13980HX. Display diagonal: 40,6 cm (16"), Display resolution: 3200 x 2000 pixels. Internal memory: 32 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 Pro. Product color: Black. Weight: 1,9 kg

Design		Graphics	
Colour name	0°Black	On-board GPU manufacturer	Intel
Product type *	Laptop	Discrete graphics card *	✓
Product colour *	Black	On-board graphics card family	Intel® UHD Graphics
Form factor *	Clamshell	On-board graphics card model *	Intel® UHD Graphics
Display		Audio	
Display diagonal *	40.6 cm (16")	Speakers manufacturer	Harman Kardon
Display resolution *	3200 x 2000 pixels	Built-in microphone	✓
Touchscreen *	✗	Camera	
Panel type	OLED	Front camera	✓
Native aspect ratio	16:10	Front camera HD type	Full HD
Display surface	Gloss	Privacy camera	✓
Maximum display brightness (HDR)	600 cd/m²	Privacy type	Privacy shutter
RGB colour space	DCI-P3	Network	
Colour gamut	100%	Top Wi-Fi standard *	Wi-Fi 6E (802.11ax)
Maximum refresh rate	120 Hz	Wi-Fi standards	Wi-Fi 6E (802.11ax)
Contrast ratio (typical)	100000:1	Mobile network connection *	✗
High Dynamic Range (HDR) supported	✓	Antenna type	1x1
High Dynamic Range (HDR) technology	HDR True Black 600	Ethernet LAN	✓
Processor		Ethernet LAN data rates	10,1000,100 Mbit/s
Processor manufacturer *	Intel	Bluetooth	✓
Processor family *	Intel® Core™ i9	Bluetooth version	5.3
Processor generation	13th gen Intel® Core™ i9	Ports & interfaces	
Processor model *	i9-13980HX	USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Processor cores	24	Ethernet LAN (RJ-45) ports	1
Processor boost frequency	5.6 GHz	HDMI ports quantity *	1
Performance cores	8	HDMI version	2.1
Efficient cores	16	Thunderbolt 4 ports quantity	2
Performance-core Max Turbo Frequency	5.6 GHz	Intel® Thunderbolt 4	✓
Efficient-core Max Turbo Frequency	4 GHz	Combo headphone/mic port	✓
Processor cache	36 MB	Charging port type	DC-in jack
Processor cache type	Smart Cache	USB Type-C DisplayPort Alternate Mode	✓
Processor base power	55 W		
Maximum turbo power	157 W		

Memory		Keyboard	
Internal memory *	32 GB	Pointing device	Touchpad
Internal memory type	DDR5-SDRAM	Numeric keypad *	✓
Memory form factor	SO-DIMM	Keyboard backlit	✓
Memory slots	2x SO-DIMM	Software	
Maximum internal memory *	32 GB	Operating system architecture	64-bit
Memory channels	Dual-channel	Operating system installed *	Windows 11 Pro
Storage		Battery	
Total storage capacity *	1 TB	Battery technology	Lithium-Ion (Li-Ion)
Storage media *	SSD	Number of battery cells	4
Total SSDs capacity	1 TB	Battery capacity *	90 Wh
Number of SSDs installed	1	Power	
SSD capacity	1 TB	AC adapter power	240 W
SSD interface	PCI Express 4.0	AC adapter frequency	50 - 60 Hz
NVMe	✓	AC adapter input voltage	100 - 240 V
SSD form factor	M.2	AC adapter output current	12 A
Optical drive type *	✗	AC adapter output voltage	20 V
Card reader integrated	✓	USB Power Delivery (USB PD) *	✓
Compatible memory cards	SD	Security	
Graphics		Trusted Platform Module (TPM)	✓
Discrete GPU manufacturer	NVIDIA	Password protection	✓
Discrete graphics card model *	NVIDIA GeForce RTX 4070	Password protection type	BIOS, User
Discrete graphics card memory	8 GB	Certificates	
Discrete graphics memory type	GDDR6	Compliance certificates	REACH
On-board graphics card *	✓	Weight & dimensions	
		Width	355 mm
		Depth	249 mm
		Height	21.9 mm
		Weight *	1.9 kg

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