

ASUS Zenbook S 16 UM5606WA-RK084X AMD Ryzen AI 9 HX 370 Laptop 40,6 cm (16") 3K 32 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Pro White

Brand : ASUS**Product family:** Zenbook**Article code:** 90NB13M2-M003B0**Product name :** UM5606WA-RK084X

ASUS Zenbook S 16 UM5606WA-RK084X. Product type: Laptop, Form factor: Clamshell. Processor family: AMD Ryzen AI 9 HX, Processor model: 370, Processor frequency: 2 GHz. Display diagonal: 40,6 cm (16"), HD type: 3K, Display resolution: 2880 x 1800 pixels. Internal memory: 32 GB, Internal memory type: LPDDR5x-SDRAM. Total storage capacity: 1 TB, Storage media: SSD. On-board graphics card model: AMD Radeon 890M. Operating system installed: Windows 11 Pro. Product color: White

Design		Graphics	
Colour name	Scandinavian White	On-board graphics card model *	AMD Radeon 890M
Product type *	Laptop	Audio	
Product colour *	White	Audio system	Smart Amp
Form factor *	Clamshell	Speakers manufacturer	Harman Kardon
Housing material	Aluminium	Built-in microphone	✓
Display		Camera	
Display diagonal *	40.6 cm (16")	Front camera	✓
Display resolution *	2880 x 1800 pixels	Front camera HD type	Full HD
Touchscreen *	✗	Infrared (IR) camera	✓
HD type	3K	Network	
Panel type	OLED	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Native aspect ratio	16:10	Wi-Fi standards	Wi-Fi 7 (802.11be)
Display surface	Gloss	Mobile network connection *	✗
Display brightness	400 cd/m²	Antenna type	2x2
Maximum display brightness (HDR)	500 cd/m²	Ethernet LAN	✗
RGB colour space	DCI-P3	Bluetooth	✓
Colour gamut	100%	Bluetooth version	5.4
Display response rise/fall	0.2 ms	Ports & interfaces	
Maximum refresh rate	120 Hz	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Display number of colours	1.073 billion colours	USB4 Gen 3x2 ports quantity	2
Contrast ratio (typical)	1000000:1	HDMI ports quantity *	1
High Dynamic Range (HDR) supported	✓	HDMI version	2.1
High Dynamic Range (HDR) technology	HDR True Black 500	Combo headphone/mic port	✓
Processor		Charging port type	USB Type-C
Processor manufacturer *	AMD	USB Type-C DisplayPort Alternate Mode	✓
Processor family *	AMD Ryzen AI 9 HX	Performance	
Processor generation	AMD Ryzen AI 300	Repairability index	8.4
Processor model *	370		
Processor cores	12		
Processor threads	24		

Processor		Keyboard	
Processor boost frequency	5.1 GHz	Pointing device	Touchpad
Processor frequency *	2 GHz	Numeric keypad *	✗
Processor cache	36 MB	Keyboard backlit	✓
Processor cache type	L2 & L3	Copilot key	✓
Neural processor unit (NPU)		Software	
Neural processor unit (NPU)	AMD Ryzen AI	Operating system architecture	64-bit
Total processor performance up to	80 TOPs	Operating system installed *	Windows 11 Pro
NPU performance up to	50 TOPs	Microsoft Copilot	✓
Memory		Battery	
Internal memory *	32 GB	Battery technology	Lithium-Ion (Li-Ion)
Internal memory type	LPDDR5x-SDRAM	Number of battery cells	4
Memory form factor	On-board	Battery capacity *	78 Wh
Maximum internal memory *	32 GB	Power	
Storage		AC adapter power	65 W
Total storage capacity *	1 TB	AC adapter frequency	50 - 60 Hz
Storage media *	SSD	AC adapter input voltage	100 - 240 V
Total SSDs capacity	1 TB	AC adapter output current	3.25 A
Number of SSDs installed	1	AC adapter output voltage	20 V
SSD capacity	1 TB	USB Type-C charging port *	✓
SSD interface	PCI Express 4.0	USB Power Delivery (USB PD) *	✓
NVMe	✓	Security	
SSD form factor	M.2	Face recognition	✓
Optical drive type *	✗	Windows Hello	✓
Card reader integrated	✓	Trusted Platform Module (TPM)	✓
Compatible memory cards	SD	Password protection	✓
Graphics		Weight & dimensions	
Discrete graphics card model *	Not available	Width	353.6 mm
On-board graphics card *	✓	Depth	243 mm
On-board GPU manufacturer	AMD	Height (front)	1.19 cm
Discrete graphics card *	✗	Height (rear)	1.29 cm
		Weight *	1.5 kg
		Packaging content	
		AC adapter included *	✓



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