

ASUS Zenbook S 16 UM5606WA-RJ090W AMD Ryzen AI 9 365 Laptop 40.6 cm (16") Touchscreen 3K 24 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home White



Brand : ASUS

Product family: Zenbook

Product code: 90NB13M4-M003T0

Product name : UM5606WA-RJ090W

AMD Ryzen AI 9 365 (34MB Cache, 2GHz), 24GB LPDDR5x-SDRAM, 1000GB SSD, 40.6 cm (16") 3K 2880 x 1800 OLED Touch, AMD Radeon 880M, WLAN, Webcam, Windows 11 Home 64-bit

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New Zen with superior AI

Zenbook S 16 is the first ultrathin 16-inch new-era ASUS AI PC, combining performance with sophistication. It has been completely redesigned from the inside out. The chassis incorporates our exquisite new Ceraluminum™, a high-tech ceramic in a range of nature-inspired colors. It provides the characteristics of hardness while completing the ultra-slim design and withstand the test of time. This new-era ASUS AI PC harnesses the latest AMD Ryzen™ AI processor, enhanced by quiet ambient cooling. It's designed to enrich your on-the-go lifestyle, with an astonishingly thin 1.1 cm chassis housing an advanced 16-inch 3K ASUS Lumina OLED display and immersive six-speaker audio.

Design		Audio	
Colour name	Scandinavian White	Audio system	Smart Amp
Product type *	Laptop	Speakers manufacturer	Harman Kardon
Product colour *	White	Built-in microphone	✓
Form factor *	Clamshell	Camera	
Housing material	Aluminium	Front camera	✓
Country of origin	China	Front camera HD type	Full HD
Display		Infrared (IR) camera	✓
Display diagonal *	40.6 cm (16")	Network	
Display resolution *	2880 x 1800 pixels	Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Touchscreen *	✓	Wi-Fi standards	Wi-Fi 7 (802.11be)
HD type	3K	Mobile network connection *	✗
Panel type	OLED	Antenna type	2x2
Native aspect ratio	16:10	Ethernet LAN	✗
Display surface	Gloss	Bluetooth	✓
Display brightness	400 cd/m ²	Bluetooth version	5.4
Maximum display brightness (HDR)	500 cd/m ²	Ports & interfaces	
RGB colour space	DCI-P3	USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
Colour gamut	100%	USB4 Gen 3x2 ports quantity	2
Display response rise/fall	0.2 ms	HDMI ports quantity *	1
Maximum refresh rate	120 Hz	HDMI version	2.1
Display number of colours	1.073 billion colours	Combo headphone/mic port	✓
Contrast ratio (typical)	1000000:1	Charging port type	USB Type-C
High Dynamic Range (HDR) supported	✓	USB Type-C DisplayPort Alternate Mode	✓
High Dynamic Range (HDR) technology	HDR True Black 500	USB Power Delivery	✓
Processor		Keyboard	
Processor manufacturer *	AMD	Pointing device	Touchpad
Processor family *	AMD Ryzen AI 9	Numeric keypad *	✗
Processor generation	AMD Ryzen AI 300	Keyboard backlit	✓
Processor model *	365	Software	
Processor cores	10	Operating system architecture	64-bit
Processor threads	20		
Processor boost frequency	5 GHz		

Processor		Software	
Processor frequency *	2 GHz	Trial software	1-month trial for new Microsoft 365 customers. Credit card required, One-Month Membership of Adobe Creative Cloud All Apps, Individual. The redemption duration from September 15, 2021 to August 31, 2024.
Processor cache	34 MB		
Processor cache type	L2 & L3	Operating system installed *	Windows 11 Home
Neural processor unit (NPU)		Battery	
Neural processor unit (NPU)	AMD Ryzen AI	Battery technology	Lithium-Ion (Li-Ion)
Total processor performance up to	73 TOPs	Number of battery cells	4
NPU performance up to	50 TOPs	Battery capacity *	78 Wh
Memory		Power	
Internal memory *	24 GB	AC adapter power	65 W
Internal memory type	LPDDR5x-SDRAM	AC adapter frequency	50 - 60 Hz
Memory form factor	On-board	AC adapter input voltage	100 - 240 V
Maximum internal memory *	24 GB	AC adapter output current	3.25 A
Storage		AC adapter output voltage	20 V
Total storage capacity *	1 TB	Security	
Storage media *	SSD	Face recognition	✓
Total SSDs capacity	1 TB	Windows Hello	✓
Number of SSDs installed	1	Trusted Platform Module (TPM)	✓
SSD capacity	1 TB	Password protection	✓
SSD interface	PCI Express 4.0	Weight & dimensions	
NVMe	✓	Width	353.6 mm
SSD form factor	M.2	Depth	243 mm
Optical drive type *	✗	Height (front)	1.19 cm
Card reader integrated	✓	Height (rear)	1.29 cm
Compatible memory cards	SD	Weight *	1.5 kg
Graphics		Packaging data	
Discrete graphics card model *	Not available	Package width	65 mm
On-board graphics card *	✓	Package depth	488 mm
On-board GPU manufacturer	AMD	Package height	310 mm
Discrete graphics card *	✗	Package weight	4.82 kg
On-board graphics card model *	AMD Radeon 880M	Logistics data	
		Commodity Classification	
		Automated Tracking System (CCATS)	8471300000



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