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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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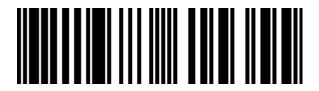
New Zen with superior AI
Zenbook S 16 is the first ultrathin 16-inch new-era ASUS AI PC, combining performance with sophistication. It has been completely redesigned from the inside out. The chassis incorporates our exquisite new Ceraluminum™, a high-tech ceramic in a range of nature-inspired colors. 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.
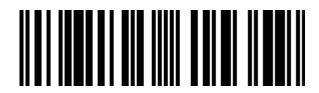
Design

Colour name	Scandinavian White
Product type *	Laptop
Product colour *	White
Form factor *	Clamshell
Housing material	Aluminium
Country of origin	China

Display

Display diagonal *	40.6 cm (16")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✔
HD type	3K
Panel type	OLED
Native aspect ratio	16:10
Display surface	Gloss
Display brightness	400 cd/m²
Maximum display brightness (HDR)	500 cd/m²
RGB colour space	DCI-P3
Colour gamut	100%
Display response rise/fall	0.2 ms
Maximum refresh rate	120 Hz
Display number of colours	1.073 billion colours
Contrast ratio (typical)	1000000:1
High Dynamic Range (HDR) supported	✔
High Dynamic Range (HDR) technology	HDR True Black 500

Processor

Processor manufacturer *	AMD

Audio

Audio system	Smart Amp
Speakers manufacturer	Harman Kardon
Built-in microphone	✔

Camera

Front camera	✔
Front camera HD type	Full HD
Infrared (IR) camera	✔

Network

Top Wi-Fi standard *	Wi-Fi 7 (802.11be)
Wi-Fi standards	Wi-Fi 7 (802.11be)
Mobile network connection *	✘
Antenna type	2x2
Ethernet LAN	✘
Bluetooth	✔
Bluetooth version	5.4

Ports & interfaces

USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity	1
USB4 Gen 3x2 ports quantity	2
HDMI ports quantity *	1
HDMI version	2.1
Combo headphone/mic port	✔
Charging port type	USB Type-C
USB Type-C DisplayPort Alternate Mode	✔

Keyboard

Pointing device	Touchpad

Processor

Processor family *	AMD Ryzen AI 9
Processor generation	AMD Ryzen AI 300
Processor model *	365
Processor cores	10
Processor threads	20
Processor boost frequency	5 GHz
Processor frequency *	2 GHz
Processor cache	34 MB
Processor cache type	L2 & L3

Neural processor unit (NPU)

Neural processor unit (NPU)	AMD Ryzen AI
Total processor performance up to	73 TOPs
NPU performance up to	50 TOPs

Memory

Internal memory *	24 GB
Internal memory type	LPDDR5x-SDRAM
Memory form factor	On-board
Maximum internal memory *	24 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 graphics card model *	Not available
On-board graphics card *	✔
On-board GPU manufacturer	AMD
Discrete graphics card *	✘
On-board graphics card model *	AMD Radeon 880M

Keyboard

Numeric keypad *	✘
Keyboard backlit	✔

Software

Operating system architecture	64-bit
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.
Operating system installed *	Windows 11 Home

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	78 Wh

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3.25 A
AC adapter output voltage	20 V
USB Power Delivery (USB PD) *	✔

Security

Face recognition	✔
Windows Hello	✔
Trusted Platform Module (TPM)	✔
Password protection	✔

Weight & dimensions

Width	353.6 mm
Depth	243 mm
Height (front)	1.19 cm
Height (rear)	1.29 cm
Weight *	1.5 kg

Packaging data

Package width	65 mm
Package depth	488 mm
Package height	310 mm
Package weight	4.82 kg

Logistics data

Commodity Classification Automated Tracking System (CCATS)	8471300000

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