ASUS Zenbook S16 UM5606WA-RK052W Copilot+ PC AMD Ryzen AI 9 365 Laptop 40.6 cm (16") WQXGA+ 24 GB LPDDR5x-SDRAM 1 TB SSD Wi-Fi 7 (802.11be) Windows 11 Home German Grey



Brand : ASUS

Product family: Zenbook

Product code: 90NB13M1-M001Y0

Product name : UM5606WA-RK052W Copilot+ PC



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

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ASUS Zenbook S 16
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 cm1 chassis housing an advanced 16-inch 3K ASUS Lumina OLED2 display and immersive six-speaker audio.

Design	
Colour name	Zumaia Gray
Product type *	Laptop
Product colour *	Grey
Form factor *	Clamshell
Housing material	Aluminium
Market positioning	Home
Introduction year	2024

Display	
Display diagonal *	40.6 cm (16")
Display resolution *	2880 x 1800 pixels
Touchscreen *	✗
HD type	WQXGA+
Panel type	OLED
Display number of colours	1.073 billion colours
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
Contrast ratio (typical)	1000000:1
High Dynamic Range (HDR) supported	✓
High Dynamic Range (HDR) technology	HDR True Black 500

Processor	
Processor manufacturer *	AMD
Processor family *	AMD Ryzen AI 9
Processor generation	AMD Ryzen AI 300 Series
Processor model *	365

Audio	
Built-in microphone	✓

Camera	
Front camera	✓
Front camera resolution	1920 x 1080 pixels
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	✓
USB Type-C DisplayPort Alternate Mode	✓

Performance	
Repairability index	9.3

Keyboard	
Pointing device	Touchpad
Numeric keypad *	✗
Keyboard backlit	✓

Processor	
Processor cores	12
Processor threads	24
Processor boost frequency	5.1 GHz
Processor frequency *	2 GHz
Processor cache	24 MB
Processor cache type	L3

Neural processor unit (NPU)	
Copilot+ PC	✔
Neural processor unit (NPU)	AMD Ryzen AI
Total processor performance up to	80 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
M.2 SSD size	2280 (22 x 80 mm)
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

Audio	
Audio system	Smart Amp
Speakers manufacturer	Harman Kardon

Keyboard	
Keyboard layout	QWERTZ
Keyboard language	German
Copilot key	✔

Software	
Operating system architecture	64-bit
Microsoft Copilot	✔
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 Type-C charging port *	✔
USB Power Delivery (USB PD)	✔

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

Certificates	
Compliance certificates	REACH

Sustainability	
Sustainability certificates	ENERGY STAR

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	494 mm
Package depth	116 mm
Package height	320 mm
Package weight	1.75 kg

Packaging content	
AC adapter included *	✔

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