AMD RYZEN AI 300 Series

ASUS ZENBOOK S 16

POWERED BY AMD RYZEN™ AI 300 SERIES PROCESSORS



2024

ASUS Zenbook S 16 combines the blazing performance of AMD Ryzen[™] AI 300 Series processors and incredible battery life in a sophisticated ultra-slim design that's ready for the future of AI computing.

HIGHLIGHTS

PURE SPEED FOR WINNING PERFORMANCE

- Equipped with the latest AMD Ryzen[™] AI 9 HX 370 processor for blazing fast performance that soars above competitive processors^{1,2,3}
- Experience realistic gaming and immersive entertainment thanks to advanced AMD Radeon[™] 890M graphics built-in

- Up to 18.1 hours battery life to keep up with an on-the-go lifestyle⁴
- Industry-first Ceraluminum[™] high-tech ceramic fuses the resilience of ceramic with the lightness of metal for an astonishingly thin .43-inch design that weighs just 3.31 lbs

SUPERIOR AI EXPERIENCE

- Experience the world's most powerful NPU delivering up to 50 TOPS of AI performance^{5,6}
- Access your personal AI companion Copilot at the touch of a button
- Empower your everyday with help from ASUS AI applications built-in

FASTER EVERYDAY PERFORMANCE THAN THE COMPETITION^{1,2,3}



BATTERY LIFE THAT KEEPS GOING⁴

BROWSE, STREAM, AND STAY CONNECTED FROM ANYWHERE WITH BATTERY LIFE THAT LASTS





web browsing



video calling



EMBRACE THE ERA OF AI PC WITH AMD RYZEN™ AI⁵



ULTRATHIN GAMING WITH AMD RADEON[™] 800M GRAPHICS⁷



SPECIFICATIONS

Processor

up to AMD Ryzen™ AI 9 HX 370 (12-core/24thread, 36MB total cache, up to 5.1 GHz boost⁸)

AI Engine

AMD Ryzen[™] AI, up to 50 TOPS

Graphics

AMD Radeon[™] 890M graphics (integrated)

Storage and Memory

- up to 2TB PCIe Gen 4.0 SSD
- up to 32 GB LPDDR5X-7500MHz RAM

Batterv

- 78WHr battery
- up to 18.1 hours battery life (VPB)⁴

Size

- Weight (approx): 3.1 lb / 1.5kg •
- Thickness: 0.43-n / 11mm

Connectivity⁹

- Wi-Fi 7
- up 3x simultaneous Bluetooth connections

Speakers

- Dolby Vision-Atmos
- Sound by Harman / Kardon

Display

- 3K OLED HDR NanoEdge
- · Pantone Validated
- VESA DisplayHDR Certified
- · Low blue light certified

I/O ports

- 2 x USB4 Type-C
- 1 x USB 3.2 Type-A
- SD Card
- HDMI 2.1
- Audio jack

FOOTNOTES:

- Testing as of July 2024 by AMD Performance Labs using the following benchmarks: Blender, Cinebench R24, Geekbench 6.0, Procyon Office, Kraken. All tests in Balanced mode. Configuration for laptops tested: ASUS Zenbook S 16 AMD Ryzen[®] Al 9 HX 370 processor, 16[®] OLED display, 28Whr battery, 32GB RAM, 1TB SSD, Windows 11, VBS enabled. Macbook Air 15 M3 processor, 15[®] olsplay, 24GB RAM, 2TB SSD, macOS. Laptop manufactures may vary configurations yielding different results. STX-59 Testing as of July 2024 by AMD Performance Labs using the following benchmark tests: Handbrake, Cinebench R24, Geekbench 6.3 Opencl, Procyon office, Kraken, ZTB, Blender, PCMark 10. Configuration for laptops tested: ASUS Zenbook S 16 AMD Ryzen[®] Al 9 HX 370 processor, 16[®] OLED display, 24GB RAM, 17B SSD, Windows 11, VBS enabled. Wasking as of July 2024 by AMD Performance Labs using the following benchmark tests: Handbrake, Cinebench R24, Geekbench 6.3 Opencl, Procyon office, Kraken, ZTB, Blender, PCMark 10. Configuration for laptops tested: ASUS Zenbook S 16 AMD Ryzen[®] Al 9 HX 370 processor, 16[®] OLED display, 78Whr battery, 32GB RAM, 17B SSD, Windows S 11. Sonsung Galaxy Book4 Edge Qualcomm Snapdragon X Elite XH-84-100, 16[®] AMOLED display, 62Whr battery, 16GB RAM, 17B SSD, Windows 11. Both with VBS enabled. PCMark is a registered trademark of UL Solutions. Laptop manufactures may vary configurations yielding different results. STX-55 2.
- trademark of UL Solutions. Laptop manufactures may vary configurations yielding different results. 51X-55 Testing as of July 2024 by AMD Performance Labs using the following benchmark tests: 7Zip, Handbrake, LAME, Blender, 3DMark Night Raid, Cinebench R24, Geekbench 6.0, Procyon Office and Video editing, PCMark 10, Kraken, Adobe Photoshop, Configuration for laptops tested: ASUS Zenbook 516 AMD Ryren" AI 9 HX 370 processor, AMD Radeon" 890M integrated graphics, 15^{ed} Isplay, 32CB RAM, TIB S50, Windows 11. MSI Prestige 16 AI Evo Core Ultra 9 185H (45W), Intel Arc integrated graphics, 32CB RAM, 7IB S50, Windows 11. Both with VBS enabled. PCMark and 3DMark are registered trademarks of UL Solutions. Laptop manufactures may vary configurations yielding different results. STX-54 All battery life claims are approximate. Battery life tested by ASUS on July, 2024 using the 1080p Video Playback scenario. Test configurations with WBS Power Plan set to Balanced, display brightness set to 150 cd/m2. Actual battery life life with Vary back scenario. Test configurations, including, but not limited to: product configuration and usage, software, operating conditions, wireless functionality, power management settings, screen brightness and other factors. The maximum capacity of the battery will naturally decrease with time and use. AMD has not independently tested or verified the battery life claim. (D-168. 3.
- Based on AMD product specifications and competitive products announced as of May 2024. AMD Ryzen[®] AI 300 Series processors' NPU offer up to 50 peak TOPS. AI PC is defined as a laptop PC with a processor that includes a neural processing unit (NPU). STX-04.
- Ryzen" Ali is defined as the combination of a dedicated Al engine, AMD Radeon" graphics engine, and Ryzen processors cores that enable AL capabilities. DEM and LSV enablement is required, and certain Al features may not yet be optimized for Ryzen Al processors. Ryzen Al is compatible with: (a) AMD Ryzen 7040 and 8040 Series processors except Ryzen 5 7540U, Ryzen 5 8540U, Ryzen 3 7440U, and Ryzen 3 8440U processors; (b) AMD Ryzen Al 300 Series processors, and (c) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500C/GE and Ryzen 3 8340C/GE. Please check with your system manufacturer for feature availability prior to purchase. GD-220c.
- Testing as of July 2024 by AMD Performance Labs using the following games tested at 1080p lowest settings: Assasin's Creed Mirage, Borderlands 3, CyberPunk 2077, F1 2023, Far Cry 6, Grand Theft Auto 5, League of Legends, Shadow of the Tomb Raider, Tiny Tina's Wonderlands, World of Tanks Encore. Configuration for laptops tested: ASUS Zenbook S 16 AMD Ryzen" AI 9 HX 370 processor, AMD Radeon" 890M integrated graphics, 32GB RAM, TB SSD, Windows 11. MSI Prestige 16 AI Evo Core Ultra 9 185H (45W), Intel Arc integrated graphics, 32GB RAM, TB SSD, Windows 11. Both with VBS enabled. Laptop manufactures may vary configurations yielding different results. STX-65
- GD-150 Max boost for AMD Ryzen processors is the maximum frequency achievable by a single core on the processor running a bursty single-threaded workload. Max boost will vary based on several factors, including, but not limited to: thermal paste; system cooling; motherboard design and BIOS; the latest AMD chipset driver; and the latest OS updates 8

Wi-Fi 6E, Wi-Fi 7 and Bluetooth 5.0 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information. GD-149a

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