

# ASUS VIVOBOK S 16 (M5606UA)

POWERED BY AMD RYZEN™ 8040 SERIES PROCESSORS



2024

So slim, so light, so right. The perfect companion for the modern lifestyle, ASUS Vivobook S 16 brings premium performance, innovative experiences, and cutting-edge technology in an ultrathin and light design.

## HIGHLIGHTS



### PURE SPEED FOR WINNING PERFORMANCE

- Equipped with the latest AMD Ryzen™ 9 8945HS processor for blazing fast performance whether multitasking, creating, browsing, or gaming
- Experience accelerated and efficient AI processing with AMD Ryzen™ AI built-in¹



### PORTABLE POWERHOUSE

- Easily take your work and play on the go in the super slim 13.9mm (0.55 inch) chassis weighing just 1.5kg (3.3lb)
- Up to 12.5 hours battery life²

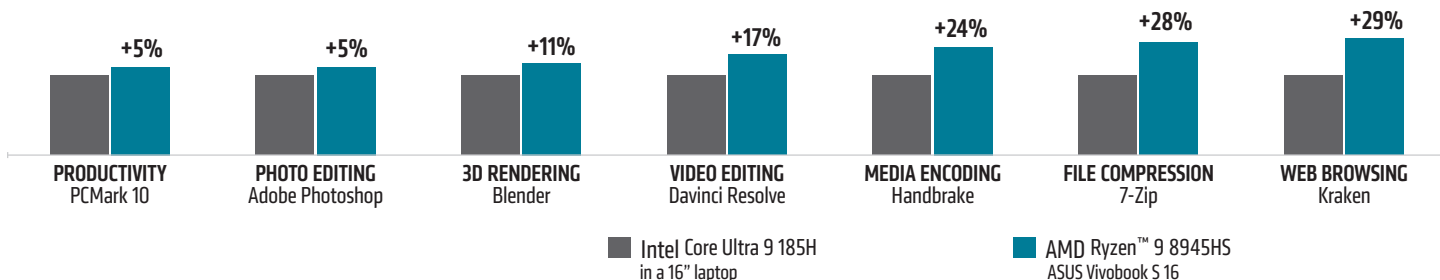


### STUNNING DISPLAY & DESIGN

- See it all clearly on the brilliant 3.2K ASUS Lumina OLED display
- Ergonomic and customizable RGB keyboard, extra-large touchpad, and ASUS AiSense camera

## FASTER PRODUCTIVITY AND CONTENT CREATION PERFORMANCE³

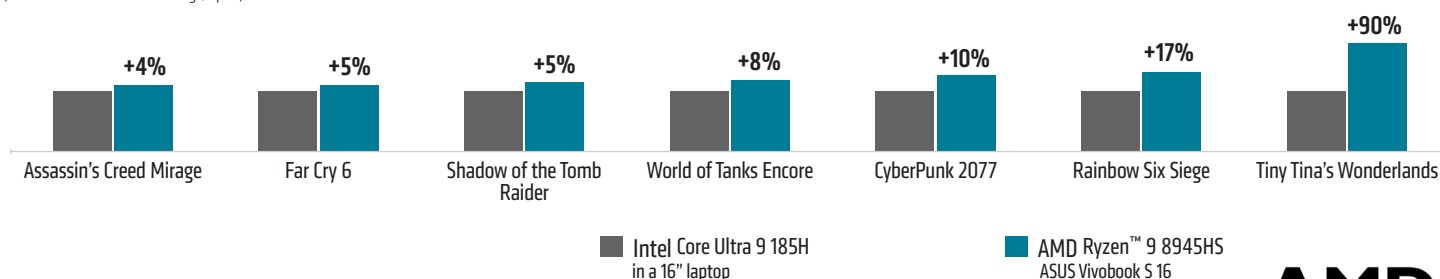
(up to)



## SMOOTH GAMING WITH AMD RADEON™ GRAPHICS⁴

Game on the go with the power of built-in AMD Radeon™ graphics on the ultrathin and light ASUS Vivobook S 16

(FPS tested at 1080P low settings, up to)



STAY ON THE GO WITH LONG-LASTING BATTERY LIFE<sup>2</sup>

Up to  
 **12.5**  
 HOURS BATTERY  
 LIFE FOR  
 VIDEO PLAYBACK

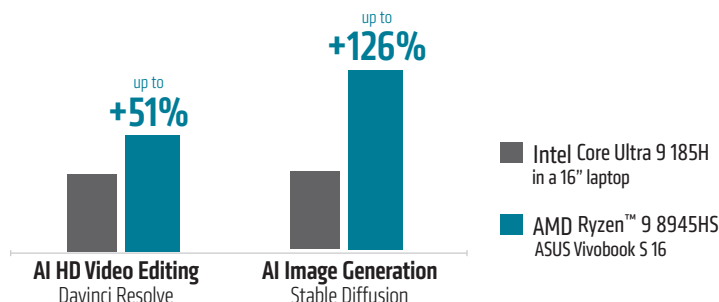
vs 16" laptop with Intel Core Ultra 9 185H

Up to  
 **13%**  
 LONGER BATTERY  
 LIFE FOR  
 VIDEO CALLING

AMD RYZEN™ AI FOR PERSONAL AI PROCESSING<sup>3</sup>

**AMD**  
**RYZEN AI**

Enjoy **100+**  
 AI-enabled experiences  
 available today on PCs  
 powered by AMD  
 Ryzen™ 8040 Series  
 processors



## SPECIFICATIONS

## Processor

- AMD Ryzen™ 9 8945HS (8-core/16-thread, 24MB total cache, up to 5.2 GHz boost<sup>5</sup>)

## AI Engine

- AMD Ryzen™ AI

## Graphics

- AMD Radeon™ 780M graphics (integrated)

## Storage and Memory

- up to 1TB PCIe Gen 4.0 SSD
- up to 32 GB LPDDR5X-7500MHz RAM

## Battery

- 75Whr WHr battery
- up to 12.5 hours battery life<sup>3</sup>

## Size

- Weight (approx): 1.5kg / 3.3 lb
- 13.9mm thin

## Connectivity

- Wi-Fi 7 and Bluetooth 5.4<sup>6</sup>

## Display

- 3.2K 120Hz OLED 16:10
- 100% DCI-P3
- VESA HDR Certified

## I/O ports

- 1 x USB4
- 1 x USB 3.2 Type-C
- 2 X USB 3.2 Type-A
- HDMI™ 2.1
- MicroSD & Audio jack

## FOOTNOTES:

- Ryzen™ AI is defined as the combination of a dedicated AI engine, AMD Radeon™ graphics engine, and Ryzen processor cores that enable AI capabilities. OEM and ISV enablement is required, and certain AI features may not yet be optimized for Ryzen AI processors. Ryzen AI 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 AI 300 Series processors, and (c) all AMD Ryzen 8000G Series desktop processors except the Ryzen 5 8500G/GE and Ryzen 3 8300G/GE. Please check with your system manufacturer for feature availability prior to purchase. GD-220c.
  - Testing as of May 2024 by AMD Performance Labs using Teams battery life using a 9 person Microsoft Teams conference call and Video Playback battery life. Configuration for AMD Ryzen 9 8945HS processor: ASUS Vivobook S16, AMD Radeon 780M graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Configurations for Intel Core Ultra 9 185H: 16" laptop, Intel Arc graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Run in power efficiency mode and both with VBS enabled. PC manufacturers may vary configurations yielding different results. Results may vary. HWK-74.
  - Testing as of May 2024 by AMD Performance Labs using the following benchmarks: 7Zip, Handbrake, LAME, DaVinci Resolve, Puget Adobe Photoshop, Blender, POV-Ray, Geekbench 6, Cinebench R24, PCMark 10, Kraken, Stable Diffusion Olive-0.4.0, Davinci Resolve AI test bench. Configuration for AMD Ryzen 9 8945HS processor: ASUS Vivobook S16, AMD Radeon 780M graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Configurations for Intel Core Ultra 9 185H: MSI Prestige 16, Intel Arc graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Both with VBS enabled. PCMark is a registered trademark of UL solutions. PC manufacturers may vary configurations yielding different results. Results may vary. HWK-72.
  - Testing as of May 2024 by AMD Performance Labs using the following games tested at 1080p lowest settings: Assassin's Creed Mirage, Borderlands 3, Far Cry 6, Shadow of the Tomb Raider, World of Tanks Encore, CyberPunk 2077, Rainbow Six Siege, Tiny Tina's Wonderlands. Configuration for AMD Ryzen 9 8945HS processor: ASUS Vivobook S16, AMD Radeon 780M graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Configurations for Intel Core Ultra 9 185H: MSI Prestige 16, Intel Arc graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Both with VBS enabled. PC manufacturers may vary configurations yielding different results. Results may vary. HWK-73.
  - 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.
  - 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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