AMD RYZEN 8000 Series

ASUS VIVOBOOK S 16 (M5606UA)

POWERED BY AMD RYZEN™ 8040 SERIES PROCESSORS

2024

ASUS Vivobook

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-in[1]

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)
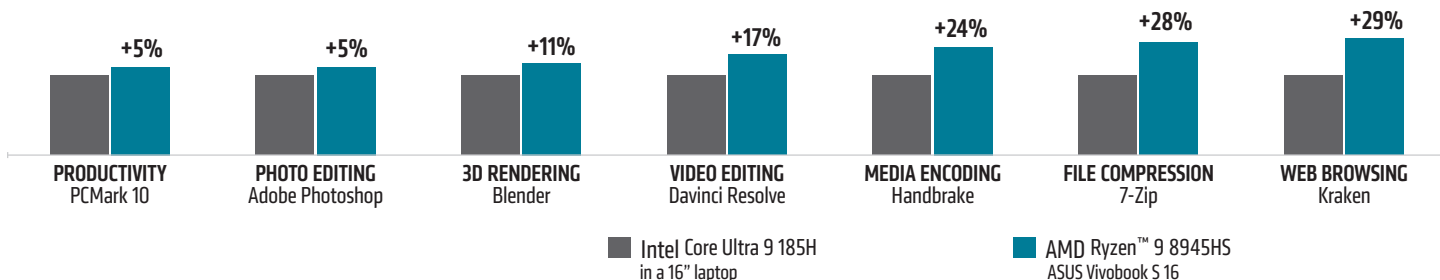- Up to 12.5 hours battery life[2]

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
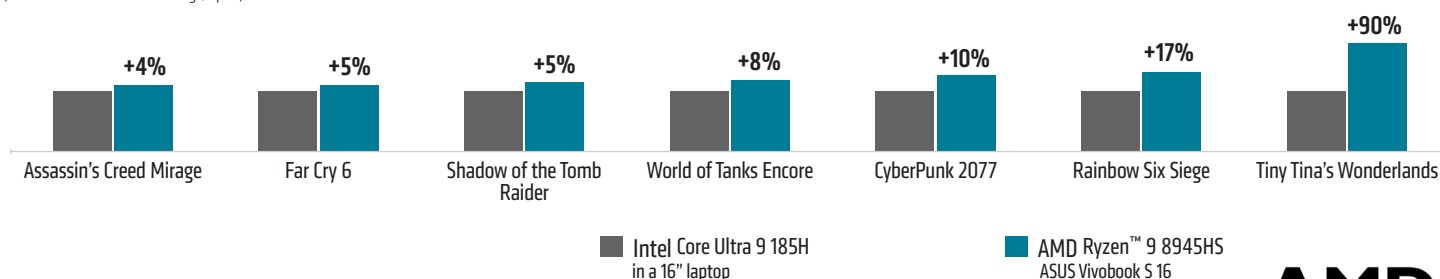
FASTER PRODUCTIVITY AND CONTENT CREATION PERFORMANCE[3]

(up to)

	PRODUCTIVITY PCMark 10	PHOTO EDITING Adobe Photoshop	3D RENDERING Blender	VIDEO EDITING Davinci Resolve	MEDIA ENCODING Handbrake	FILE COMPRESSION 7-Zip	WEB BROWSING Kraken
AMD Ryzen™ 9 8945HS	+5%	+5%	+11%	+17%	+24%	+28%	+29%

Intel Core Ultra 9 185H in a 16" laptop

AMD Ryzen™ 9 8945HS ASUS Vivobook S 16

SMOOTH GAMING WITH AMD RADEON™ GRAPHICS[4]

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)

	Assassin's Creed Mirage	Far Cry 6	Shadow of the Tomb Raider	World of Tanks Encore	CyberPunk 2077	Rainbow Six Siege	Tiny Tina's Wonderlands
AMD Ryzen™ 9 8945HS	+4%	+5%	+5%	+8%	+10%	+17%	+90%

Intel Core Ultra 9 185H in a 16" laptop

AMD Ryzen™ 9 8945HS ASUS Vivobook S 16

AMD

STAY ON THE GO WITH LONG-LASTING BATTERY LIFE[2]
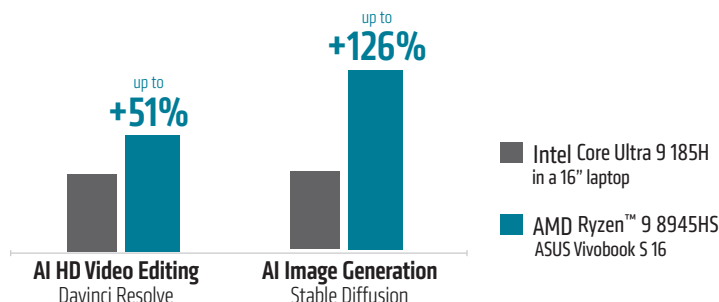
Up to
12.5
HOURS BATTERY LIFE FOR VIDEO PLAYBACK

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[3]

AMD RYZEN AI

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

up to
+51%

up to
+126%

■ Intel Core Ultra 9 185H in a 16" laptop

■ AMD Ryzen™ 9 8945HS ASUS Vivobook S 16

AI HD Video Editing
Davinci Resolve

AI Image Generation
Stable Diffusion

SPECIFICATIONS

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

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[3]

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

Connectivity
- Wi-Fi 7 and Bluetooth 5.4[6]

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

HDMI

AMD