

AMD RYZEN™ PROCESSORS VS APPLE M3 PROCESSORS



UNLOCKED CREATIVITY & PRODUCTIVITY

Accelerate your workloads with responsive and powerful AMD Ryzen™ processors.

AMD Ryzen™ 7 8840U vs Apple M3¹ (up to)



26% Faster 3D Rendering



15% Faster Productivity

AMD Ryzen™ 9 8945HS vs Apple M3² (up to)



47% Faster 3D Rendering



22% Faster Productivity

MASTER MULTITASKING

Balance simultaneous workflows with fast multi-threaded performance.



AMD Ryzen™ 7 8840U vs Apple M3¹ (up to)

ON PAR at Geekbench 6

4% Faster at Cinebench R24

AMD Ryzen™ 9 8945HS vs Apple M3² (up to)

8% Faster at Geekbench 6

29% Faster at Cinebench R24

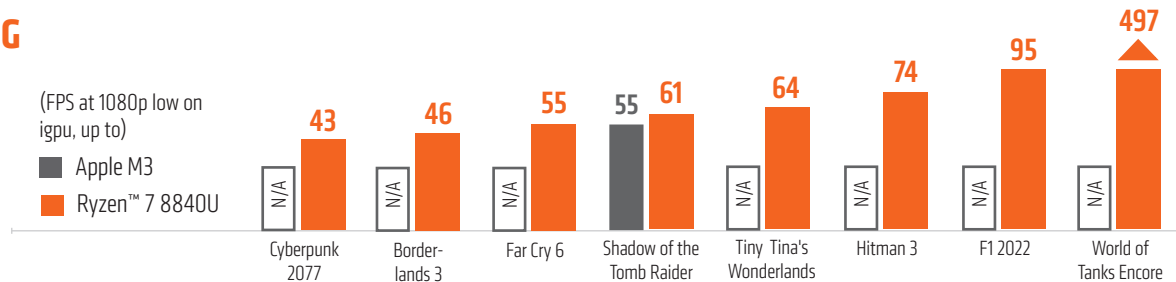
THE CHOICE FOR GAMING

Many games lack native Mac support
7 out of 8 games tested would not launch natively on MacBook³

(FPS at 1080p low on igpu, up to)

■ Apple M3

■ Ryzen™ 7 8840U



LONG LASTING BATTERY LIFE

Work and play on-the-go with power efficient performance and long lasting battery life.



up to

19%

Longer battery life

with a 14" laptop powered by AMD Ryzen™ 7 8840U processor compared to a 14" Macbook Pro M3⁴

THE POWER OF RYZEN™ AI

Experience the power of personal AI with AMD Ryzen™ AI in select AMD Ryzen™ 8040 Series processors⁵. Optimize AI workloads and unlock magical new experiences with AI inside your laptop.

AMD
RYZEN AI

VISIT [AMD.COM/PARTNER](https://www.amd.com/partner), Your source for tools, training, news, and much more!

- Testing as of Nov 2023 by AMD Performance Labs using Blender Classroom CPU, Cinebench R24, Geekbench 5, Procyon Office benchmarks and Shadow of the Tomb Raider at 1080p lowest settings. Configuration for AMD Ryzen 7 8840U processor: AMD Mayan_HPT2 reference board, integrated Radeon 780M graphics, 16GB RAM 7500MHz, 1TB NVMe SSD, VBS ON, Windows 11 Pro. Configuration for MacBook Pro 14": M3 8-core processor, integrated 10 core GPU, 16GB RAM, 1TB SSD. System manufacturers may vary configurations yielding different results. Results may vary. HWK-20
- Testing as of Nov 2023 by AMD Performance Labs using Blender Classroom CPU, Cinebench R24, Procyon Office, Geekbench 5 benchmarks. Configuration for AMD Ryzen 9 8945HS processor: AMD Mayan_HPT2 reference board, integrated Radeon 780M graphics, 16GB RAM 7500MHz, 1TB NVMe SSD, VBS ON, Windows 11 Pro. Configuration for MacBook Pro 14": M3 8-core processor, integrated 10 core GPU, 16GB RAM, 1TB SSD. System manufacturers may vary configurations yielding different results. Results may vary. HWK-21
- Testing as of Nov 2023 by AMD Performance Labs using the following game titles tested at 1080p lowest game settings: Borderlands 3, Cyberpunk 2077, F1 2022, Far Cry 6, Hitman 3, Shadow of the Tomb Raider, Tiny Tina's Wonderlands, and World of Tanks Encore. Configuration for AMD Ryzen 7 8840U processor: AMD Mayan_HPT2 reference board, integrated Radeon 780M graphics, 16GB RAM 7500MHz, 1TB NVMe SSD, VBS ON, Windows 11 Pro. Configuration for MacBook Pro 14": M3 8-core processor, integrated 10 core GPU, 16GB RAM, 1TB SSD. System manufacturers may vary configurations yielding different results. Results may vary. HWK-24
- Testing as of Dec 2023 by AMD Performance Labs using Video Playback battery test. Configuration for AMD laptop: ASUS Zenbook 14", AMD Ryzen 7 8840U processor, 16GB RAM 7500MHz, 1TB NVMe SSD, Windows 11 Pro. Configuration for MacBook Pro 14": M3 8-core processor, integrated 10 core GPU, 16GB RAM, 1TB SSD. System manufacturers may vary configurations yielding different results. Results may vary. HWK-37
- 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; and (b) 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-220B