AMD RYZEN 7000 Series

ACER SWIFT EDGE 16

POWERED BY AMD RYZEN™ 7000 SERIES PROCESSORS

2023

At the *edge* of where power meets portability, the Swift Edge 16 features a seamlessly thin and light design that's equipped for today's performance and AI demands and beyond.

HIGHLIGHTS

PURE SPEED, FREEDOM TO UNPLUG

- Elevate your productivity, creativity, & entertainment with the premium performance of **AMD Ryzen™ 7 7840U processor, the fastest ultrathin processor in its class**[1]
- **Work faster than competitive 13th Gen Intel Core processors and Apple M2 processors** across key consumer workloads[2,3]
- Take advantage of next-gen visuals with **AMD Radeon™ 780M graphics, the fastest integrated graphics in its class**[4]
- **Enjoy the freedom to be productive anywhere** on an ultra-thin and incredibly light design, and featuring smart power management technology from AMD for extended periods of unplugged use

THE POWER OF AI IN YOUR LAPTOP

- **Usher in the future with AMD Ryzen™ AI,** the world's first integrated AI engine on a Windows x86 processor[5]
- Present yourself in the best light with **Windows Studio Effects powered by Ryzen™ AI** - featuring automatic framing, advanced background blur, and gaze correction
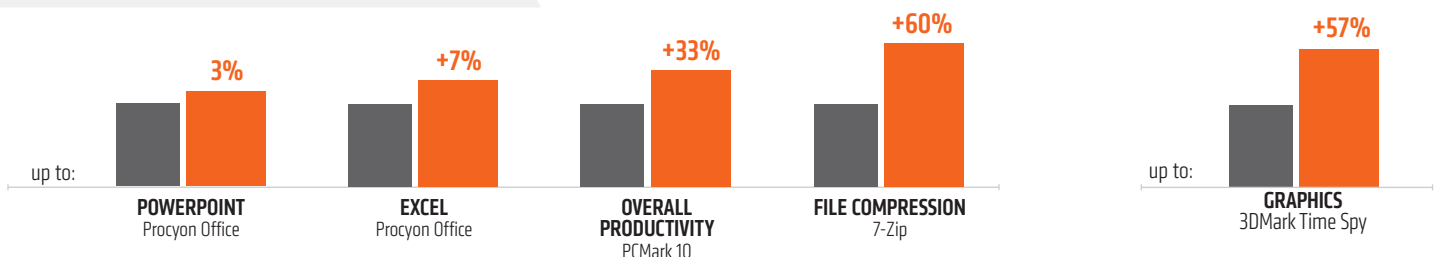
INDULGE YOUR EYES

- Experience next-level visuals on a 16-inch, 16:10, 3.2K OLED panel that can display over a billion colors
- Offering deep blacks, bright whites, 100% DCI-P3, and a 120 Hz refresh rate for unsurpassed motion clarity
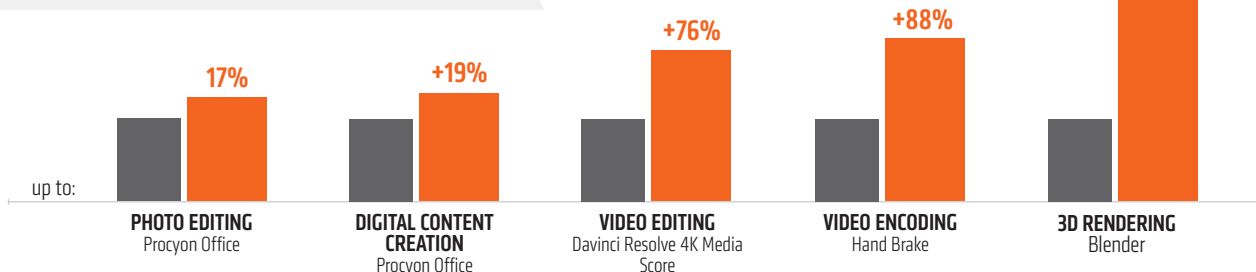
WORK, CREATE, STAY ENTERTAINED WITH PURE SPEED[2]

■ AMD Ryzen™ 7 7840U
16" Acer Swift Edge

■ Intel Core i7-1360P
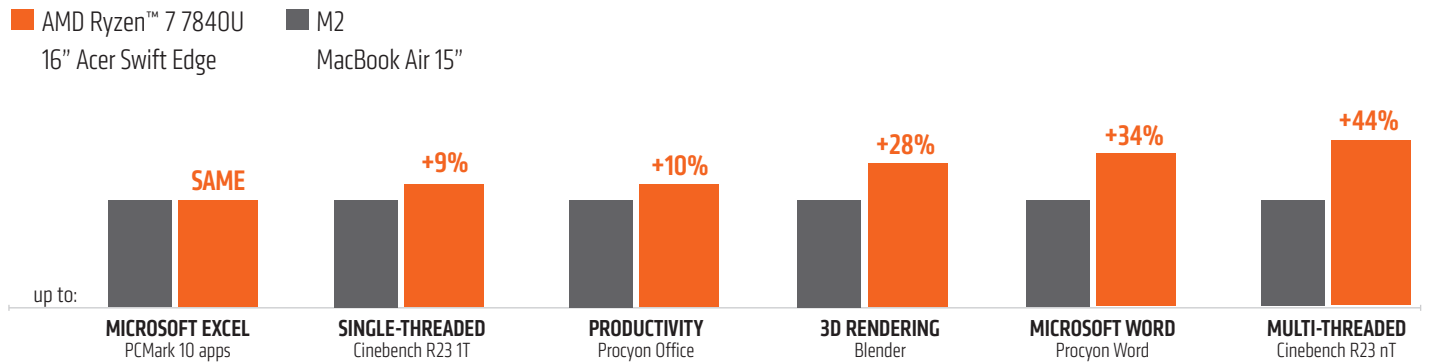16" notebook

FASTER PRODUCTIVITY

				RICHER ENTERTAINMENT
POWERPOINT Procyon Office (3%)	**EXCEL** Procyon Office (+7%)	**OVERALL PRODUCTIVITY** PCMark 10 (+33%)	**FILE COMPRESSION** 7-Zip (+60%)	**GRAPHICS** 3DMark Time Spy (+57%)

FASTER CONTENT CREATION

PHOTO EDITING Procyon Office (17%)	**DIGITAL CONTENT CREATION** Procyon Office (+19%)	**VIDEO EDITING** Davinci Resolve 4K Media Score (+76%)	**VIDEO ENCODING** Hand Brake (+88%)	**3D RENDERING** Blender (+266%)

AMD

FASTER THAN APPLE M2[3]

■ AMD Ryzen™ 7 7840U
16" Acer Swift Edge

■ M2
MacBook Air 15"

| | SAME | +9% | +10% | +28% | +34% | +44% |

up to:

MICROSOFT EXCEL	SINGLE-THREADED	PRODUCTIVITY	3D RENDERING	MICROSOFT WORD	MULTI-THREADED
PCMark 10 apps	Cinebench R23 1T	Procyon Office	Blender	Procyon Word	Cinebench R23 nT

AMD RYZEN™ AI FOR NEXT-GEN EXPERIENCES

The thin and light Swift Edge 16 brings Ryzen™ AI to the forefront. AMD Ryzen™ AI is the world's first dedicated AI engine on an x86 PC processor[5], enabling powerful AI applications to run smoothly and efficiently, while helping keep data more private by running on local AI hardware. Usher in the future of laptop computing with Ryzen™ AI.

AMD offers a built-in AI engine AVAILABLE NOW in laptops[6]; Intel does not*.

13th Gen Intel Core Processors	AMD Ryzen™ 7040 Series Processors
✗	✓
No integrated AI engine	AMD Ryzen™ AI built-in

*As of Sept 2023 there are no Intel laptops for purchase with an integrated AI engine on the processor

SPECIFICATIONS:

Processor
- AMD Ryzen™ 7 7840U (8-core/16-thread, 24MB cache, up to 5.1 GHz max boost[7])

AI Engine
- AMD Ryzen™ AI

Graphics
- AMD Radeon™ 780M graphics (built-in)

Memory / Storage
- up to 32GB
- up to 2TB

Display
- 16:10 3.2K OLED, up to 500 nits
- 100% DCI-P3 color gamut
- Display HDR TrueBlack 500 certified

Camera
- 1440p QHD webcam
- Acer TNR Solution & PurifiedVoice™

Size
- 12.95mm
- Weight: 1.23 kg

I/O Ports
- Dual USB Type-C
- HDMI 2.1
- MicroSD Card Reader

Connectivity
- Wi-Fi 6E & Wi-Fi 7

FOOTNOTES

1. Testing as of April 2023 by AMD Performance Labs using PCMark 10, Passmark, and Procyon Microsoft productivity benchmarks. The relevant class is defined as ultrathin processors with 28W TDP currently available in market as of April 2023. Configuration for AMD Ryzen™ 7 7840U: AMD Mayan reference board, 16GB RAM, SSD 1TB, BIOS RMHO081cA, integrated Radeon 700M graphics, Windows 11 Pro. Configuration for Intel Core i7-1360P: MSI Summit Flip 14, 32GB RAM, 1TB SSD, integrated Intel iris xe graphics, Windows 11 Pro. PassMark is a registered trademark of PassMark Software Pty Ltd. PCMARK is a registered trademark of UL Solutions. PC manufacturers may vary configurations yielding different results. Results may vary. PHX-26

2. Testing as of Aug 2023, by AMD Performance Labs using an Acer Swift Edge with a 16" display (AMD Ryzen 7 7840U 15W processor, integrated Radeon 780M graphics, 16GB (4x4) RAM, 512GB NVMe SSD, Windows 11 Pro) vs a similarly configured laptop with a 16" display (Intel Core i7-1360P 28W processor, integrated Intel Iris xe graphics, 16GB (8x2) RAM, 1TB SSD, and Windows 11 Pro). Benchmarks tested: 7Zip, Handbrake, LAME MP3, Puget Adobe Premiere, Puget Davinci Resolve, 3DMark Time Spy, Blender, Cinebench R23, PCMark 10, Procyon Office Productivity. PCMark and 3DMark are registered trademarks of UL Solutions. PC manufacturers may vary configurations yielding different results. Performance may vary. PHX-40

3. Testing as of Aug 2023, by AMD Performance Labs using an Acer Swift Edge with a 16" display (AMD Ryzen 7 7840U 15W processor, integrated Radeon 780M graphics, 16GB (4x4) RAM, 512GB NVMe SSD, Windows 11 Pro) vs a Macbook Air 15" (M2 processor, integrated graphics, 16GB RAM, 512GB SSD). Benchmarks tested: Blender, Cinebench R23, Geekbench, Procyon Office Productivity. PC manufacturers may vary configurations yielding different results. Performance may vary. PHX-42

4. Testing as of April 2023 by AMD Performance Labs using 3DMark Timespy and the following game titles tested at 1080P, low settings: Far Cry 6, CS:GO, Grand Theft Auto V, Assassin's Creed Valhalla, Borderlands 3, DOTA 2. The relevant class is defined as ultrathin x86 processors with integrated graphics and 28W TDP currently available in market as of April 2023. Configuration for AMD Ryzen™ 7 7840U: AMD Mayan reference board, 16GB RAM, SSD 1TB, BIOS RMHO081cA, integrated Radeon 700M graphics, Windows 11 Pro. Configuration for Intel Core i7-1360P: MSI Summit Flip 14, 32GB RAM, 1TB SSD, integrated Intel Iris xe graphics, Windows 11 Pro 3DMark is a registered trademark of UL Solutions. PC manufacturers may vary configurations yielding different results. Results may vary. PHX-28

5. As of May 2023, AMD has the first dedicated AI engine on an x86 Windows processor, where 'dedicated AI engine' is defined as an AI engine that has no function other than to process AI inference models and is part of the x86 processor die. For detailed information, please check: https://www.amd.com/en/products/ryzen-ai. PHX-3.

6. Ryzen™ AI technology is compatible with all AMD Ryzen 7040 series processors except the Ryzen 5 7540U and Ryzen 3 7440U. OEM enablement is required. Please check with your system manufacturer for feature availability prior to purchase. GD-220

7. 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. GD-150

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