AMD RYZEN™ 200 SERIES PROCESSORS

Trusted performance for elevated everyday experiences

WHO IT'S FOR

Mainstream users looking for a powerful laptop with performance that keeps up with their daily needs

Casual gamers who seeking immersive entertainment experiencs

PERFORMANCE AND ENTERTAINMENT ON-THE-GO

TRUSTED, PREMIUM PERFORMANCE

Stream, browse, work, and play with trusted performance you can count on

LONG-LASTING BATTERY LIFE

Go further with efficient performance that lets you work and play unplugged

POWERFUL GRAPHICS

Bring your games and creations to life with powerful AMD Radeon™ graphics built in

FASTER EVERYDAY PRODUCTIVITY AND CONTENT CREATION

AMD Ryzen™ 9 270

vs Intel Core Ultra 9 185H[1]

- **34% faster video encoding** (Handbrake)
- **6% faster photo editing** (Adobe Photoshop)
- **21% faster 3D rendering** (Blender)
- **12% faster multitasking** (Cinebench R24 nT)
- **4% faster** at **productivity apps** (PCMark 10 productivity)

AMD Ryzen™ 7 250

vs Intel Core Ultra 7 155H[2]

- **20% faster video encoding** (Handbrake)
- **8% faster photo editing** (Adobe Photoshop)
- **25% faster 3D rendering** (Blender)
- **16% faster multitasking** (Cinebench R24 nT)
- **3% faster** at **productivity apps** (Procyon Office)

AMD Ryzen™ 5 230

vs Intel Core Ultra 5 125H[3]

- **68% faster video encoding** (Handbrake)
- **26% faster 3D rendering** (Blender)
- **14% faster multitasking** (Cinebench R24 nT)
- **6% faster web browsing** (Kraken)
- **4% faster** at **productivity apps** (PCMark 10 productivity)

FASTER REAL-WORLD MULTITASKING

While multitasking a video call plus Office apps:

AMD Ryzen™ 9 270 vs Core Ultra 9 185H[4]

2.4x Overall Performance

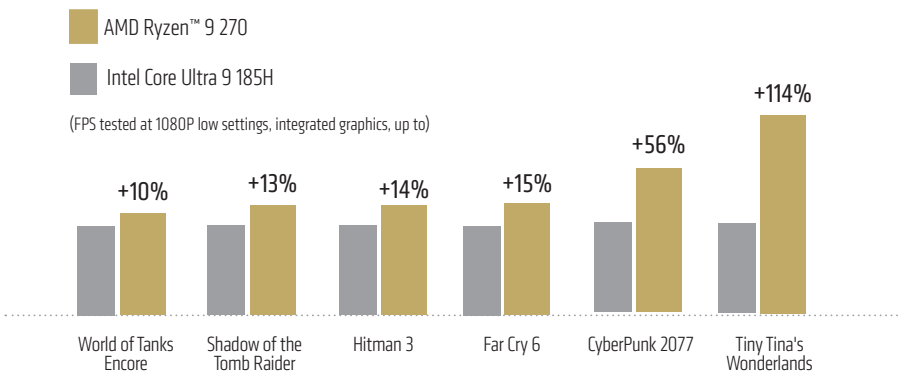
2.2x PowerPoint Performance

2.3x Word Performance

IMMERSIVE GAMING EXPERIENCES

Smooth gaming experiences with integrated AMD Radeon™ graphics

Pairings with discrete graphics options available for gaming at higher settings



See endnote 5

MODELS & SPECS

MODEL	CORES/THREADS	BOOST FREQUENCY[6] (UP TO)	CTDP	TOTAL CACHE	GRAPHICS	NPU
AMD Ryzen™ 9 270	8/16	5.2 GHz	35-54W	24MB	AMD Radeon™ 780M	16 TOPS
AMD Ryzen™ 7 260	8/16	5.1 GHz	35-54W	24MB	AMD Radeon™ 780M	16 TOPS
AMD Ryzen™ 7 250	8/16	5.1 GHz	15-30W	24MB	AMD Radeon™ 780M	16 TOPS
AMD Ryzen™ 5 240	6/12	5.0 GHz	35-54W	22MB	AMD Radeon™ 760M	16 TOPS
AMD Ryzen™ 5230	6/12	4.9 GHz	15-30W	22MB	AMD Radeon™ 760M	16 TOPS
AMD Ryzen™ 5 220	6/12	4.9 GHz	15-30W	22MB	AMD Radeon™ 740M	Na
AMD Ryzen™ 3 210	4/8	4.7 GHz	15-30W	12MB	AMD Radeon™ 740M	Na

1. Testing by AMD Performance Labs using the following benchmarks: 7Zip, Handbrake, LAME (TTC), Puget Adobe Photoshop, Puget Adobe Premiere Pro Effects, Puget DaVinci Resolve, 3DMark Night Raid, Blender CPU Classroom, POVRay nT, Cinebench R24 nT, Geekbench 6 single core, PCMark 10 productivity and Gimp app start (TTC). Configuration for AMD Ryzen 9 270 processor (45W): AMD Reference board, AMD Radeon 780M graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Configurations for Intel Core Ultra 9 185H (45W): MSI Prestige 16, Intel Arc graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Both systems with VBS enabled. PC manufacturers may vary configurations yielding different results. Results may vary. HWK2-04.
2. Testing by AMD Performance Labs using the following benchmarks tested in Balanced mode with VBS ON: 7-Zip, Handbrake, Blender Classroom, Puget Adobe Photoshop, Cinebench R24 nT, Procyon Office, Procyon Excel, Procyon Word, PCMark 10 app startup, Procyon Video editing. Configurations: AMD Ryzen 7 250 (28W): AMD Mayan reference board, 28W TDP, AMD Radeon 780M graphics, 16GB RAM, 1TB SSD, Win 11; and Intel Core Ultra 7 155H (28W): Acer Swift 14, Intel Arc graphics, 16GB RAM, 1TB SSD, Win 11. Laptop manufactures may vary configurations yielding different results. HWK2-01.
3. Testing by AMD Performance Labs using the following benchmarks tested in Balanced mode with VBS ON: 7-Zip, Handbrake, Blender Classroom, Procyon Video editing, Cinebench R24 nT, Procyon Office suite, PCMark 10 suite, Procyon Video editing. Configuration for AMD Ryzen 5 230 processor: AMD Mayan reference board, integrated Radeon graphics, 16GB RAM 7500MHz, 1TB SSD, VBS ON, Windows 11 Pro. Configuration for Intel Core Ultra 5 125H processor: Acer Swift Go 14" laptop, integrated Intel Arc graphics, 16GB 6400MHz RAM, 512GB SSD, VBS ON, Windows 11. Laptop manufactures may vary configurations yielding different results. HWK2-06.
4. Testing by AMD Performance Labs with Procyon Office Suite while on a Microsoft Teams (3x3) call with background blur enabled. Configuration for AMD Ryzen 9 270 processor: 16" AMD reference platform, 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. HWK2-05.
5. Testing by AMD Performance Labs using the following game at 1080p lowest settings: CyberPunk 2077, F1 2022, Far Cry 6, Hitman 3, Shadow of the Tomb Raider, Tiny Tina's Wonderlands, World of Tanks Encore. Configuration for AMD Ryzen 9 270 processor (45W): AMD Mayan Reference board, AMD Radeon 780M graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Configuration for Intel Core Ultra 9 185H (45W): MSI Prestige 16, Intel Arc graphics, 16GB RAM, 1TB SSD, Windows 11 Pro. Both systems with VBS enabled. PC manufacturers may vary configurations yielding different results. Results may vary. HWK2-03.
6. 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
7. Trillions of Operations per Second (TOPS) for an AMD Ryzen processor is the maximum number of operations per second that can be executed in an optimal scenario and may not be typical. TOPS may vary based on several factors, including the specific system configuration, AI model, and software version. GD-243.