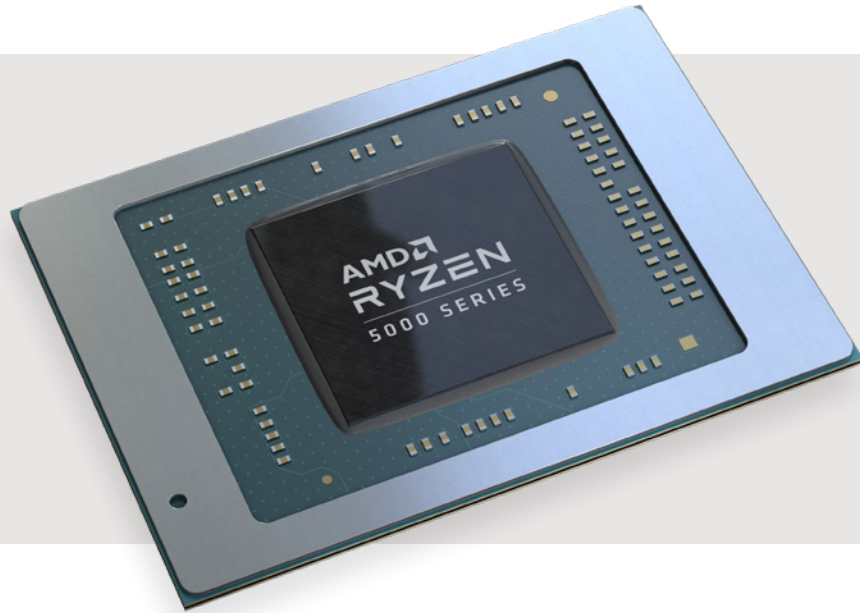


AMD Ryzen™ 5000 Series Mobile Processors with Radeon™ Graphics

SUPREME PERFORMANCE. INFINITE POSSIBILITIES.

AMD Ryzen™ 5000 Series Mobile Processors power game-changing notebooks with superb performance, outstanding battery life, and thin-and-light style.



ULTIMATE PERFORMANCE

AMD Ryzen™ 5000 Series mobile processors feature the **latest and greatest** AMD processor technology for users who need the ultimate performance.

UNCOMPROMISED BATTERY LIFE

Intelligent, power-efficient performance means you won't run out of juice when you need it most.

REWRITE THE RULES

Take on anything in the **latest thin and light notebook designs**. Load robust apps at lightning speeds, stream 4K Video with HDR, and run immersive multimedia and gaming experiences, faster than ever.

AMD RYZEN™ 5000 SERIES MOBILE PROCESSORS: SUPREME PERFORMANCE



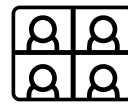
OVERALL PERFORMANCE

✓ Up to **8 advanced processor cores** deliver powerful processing, incredible efficiency, and cool & quiet performance



PRODUCTIVITY

✓ **Blaze through office work** up to 24% faster than previous gen¹ with AMD Ryzen™ 7 5800U mobile processor



ENTERTAINMENT

✓ **Be immersed** in every detail of video chats or movies in up to 4K, HDR



CONTENT CREATION







✓ Up to **24% faster video encoding**² and **27% faster 3D rendering**³ than previous gen with AMD Ryzen™ 7 5800U mobile processor



GAMING

✓ A top tier AMD Ryzen™ 5000 series gaming laptop can offer up to **70% faster game performance** than a top tier previous gen laptop⁴

AMD RYZEN™ 5000 SERIES MOBILE PROCESSORS LINEUP

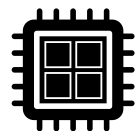
Ideal Use Cases		Model	Cores /Threads	Max Boost ² (up to)	TDP	Cache	Architecture
GAMING & CONTENT CREATION AMD Ryzen™ H-Series Mobile Processors are great for: <ul style="list-style-type: none"> • Ultra-smooth AAA & eSports Gaming • Enthusiast content creation • Game, stream, and record at the same time 		AMD Ryzen™ 9 5980HX Mobile Processor	8C / 16T	4.8 GHz	45W	20 MB	7nm "Zen 3"
		AMD Ryzen™ 9 5980HS Mobile Processor	8C / 16T	4.8 GHz	35W	20 MB	7nm "Zen 3"
		AMD Ryzen™ 9 5900HX Mobile Processor	8C / 16T	4.6 GHz	45W	20 MB	7nm "Zen 3"
		AMD Ryzen™ 9 5900HS Mobile Processor	8C / 16T	4.6 GHz	35W	20 MB	7nm "Zen 3"
		AMD Ryzen™ 7 5800H Mobile Processor	8C / 16T	4.4 GHz	45W	20 MB	7nm "Zen 3"
		AMD Ryzen™ 7 5800HS Mobile Processor	8C / 16T	4.4 GHz	35W	20 MB	7nm "Zen 3"
PREMIUM ULTRATHIN AMD Ryzen™ U-Series Mobile Processors are great for: <ul style="list-style-type: none"> • Home, school, and office productivity • Streaming entertainment • eSports gaming • Photo and video editing 		AMD Ryzen™ 5 5600H Mobile Processor	6C / 12T	4.2 GHz	45W	19 MB	7nm "Zen 3"
		AMD Ryzen™ 5 5600HS Mobile Processor	6C / 12T	4.2 GHz	35W	19 MB	7nm "Zen 3"
		AMD Ryzen™ 7 5800U Mobile Processor	8C / 16T	4.4 GHz	15W	20 MB	7nm "Zen 3"
		AMD Ryzen™ 7 5700U Mobile Processor	8C / 16T	4.3 GHz	15W	12 MB	7nm "Zen 2"
		AMD Ryzen™ 5 5600U Mobile Processor	6C / 12T	4.2 GHz	15W	19 MB	7nm "Zen 3"
		AMD Ryzen™ 5 5500U Mobile Processor	6C / 12T	4.0 GHz	15W	11 MB	7nm "Zen 2"
		AMD Ryzen™ 3 5400U Mobile Processor	4C / 8T	4.0 GHz	15W	10 MB	7nm "Zen 3"
	AMD Ryzen™ 3 5300U Mobile Processor	4C / 8T	3.8 GHz	15W	6 MB	7nm "Zen 2"	

LOOK FOR THE BADGE FOR THE BEST-OF-THE-BEST

Look for the unique holographic AMD badge to get the latest "Zen 3" core architecture and more cache for ultimate performance.



FEATURES:



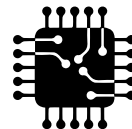
MULTI-CORE PERFORMANCE



ADVANCED AMD RADEON™ GRAPHICS BUILT-IN



NEW "ZEN 3" ARCHITECTURE



LARGE ON-CHIP MEMORY



WI-FI 6E SUPPORT⁶



LPDDR MEMORY SUPPORT



PROCESSOR EMBEDDED SECURITY FEATURES

1. C2M-14 Testing by AMD Performance Labs as of 09/02/2020 utilizing engineering platforms configured with Ryzen 7 5800U processor, 32GB RAM, 512MB SSD, Radeon™ Graphics, and Win 10, vs. a similarly configured system with Ryzen 7 4800U processor, in the following benchmarks: File Compression (as represented by 7-Zip), PCMark 10, Office Applications (as represented by the PCMark Applications benchmark), Application launch speed (as represented by the PCMark app launch benchmark), web browsing (as represented by Speedometer 2.0), and 3DMark Physics. Performance may vary. 3DMark and PCMark are registered trademarks of Futuremark Corporation.

2. C2M-21 Testing by AMD engineering based on Adobe Premier Pro, Handbrake, DaVinci Resolve, Lame MP3 Encoder benchmarks, measuring the video encoding performance of the AMD Ryzen 7 4800U vs AMD Ryzen 7 5800U engineering sample processor. Performance may vary.

3. C2M-25 Testing by AMD engineering based on the Blender, POVRay, Chief Architect benchmarks, measuring the 3D-rendering performance of the Ryzen 7 5800U processor vs. Ryzen 7 4800U processor. Performance may vary.

4. C2M-17 Testing as of 12/08/2020 by AMD Performance Labs. Gaming performance based on FPS scores in Ashes of the Singularity, Assassin's Creed Odyssey, Metro Exodus, Deus Ex: Mankind Divided, Battlefield V, Far Cry 5, Far Cry New Dawn, Sid Meier's Civilization VI, Shadow of the Tomb Raider, Total War: THREE KINGDOMS Battle, Counterstrike: Global Offensive, DOTA2, and League of Legends. Test systems: ASUS Zephyrus Duo 45W TDP, with AMD Ryzen 9 5900HX processor engineering sample and GeForce 3080 graphics vs a similarly configured ASUS Zephyrus G14 32W TDP, with AMD Ryzen 9 4900HS and GeForce GTX 2060-MaxQ. Results may vary.

5. GD-150 Max boost for AMD Ryzen and Athlon 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.

6. GD-149 Wi-Fi 6 and Bluetooth 5.0 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information.

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