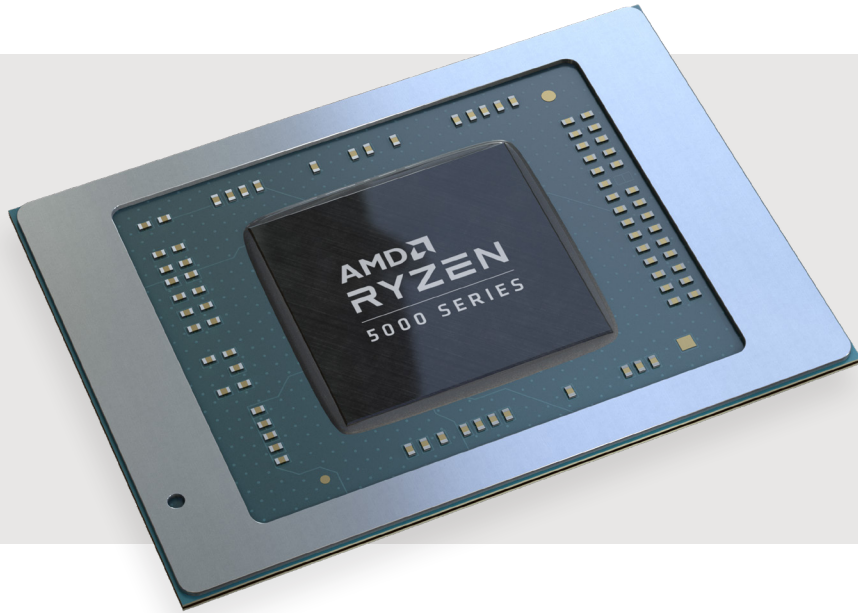


AMD Ryzen™ 5000 Series Mobile Processors with Radeon™ Graphics

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.



THE WORLD'S BEST MOBILE PROCESSORS¹

AMD Ryzen™ 5000 Series Mobile Processors with Radeon™ Graphics are the **world's most advanced laptop processors²** for users who need the best performance you can get.

UNCOMPROMISED BATTERY LIFE

Intelligent, power-efficient performance means you won't run out of juice when you need it most, with up to **21 hours battery life³** for video playback with AMD Ryzen™ 7 5800U.

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: BUILT TO OUTPERFORM



OVERALL PERFORMANCE

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



PRODUCTIVITY

✓ **The fastest productivity available** in an ultrathin notebook for powerful multi-tasking⁴



ENTERTAINMENT

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



CONTENT CREATION





✓ AMD Ryzen™ 7 5800U mobile processor offers the **fastest rendering and encoding** you can get in an ultrathin notebook⁵



GAMING

✓ AMD Ryzen™ 9 5980HX is the **fastest mobile gaming processor in the world⁶**

AMD RYZEN™ 5000 SERIES MOBILE PROCESSORS LINEUP

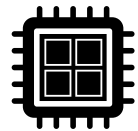
Ideal Use Cases		Model	Cores /Threads	Max Boost ¹ (up to)	TDP	Cache	Architecture
GAMING & CONTENT CREATION AMD Ryzen™ H-Series Mobile Processors are great for: <ul style="list-style-type: none"> • Ultra-smooth AAA & eSports Gaming • Enthusiast content creation • Game, stream, and record at the same time 		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:



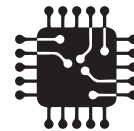
MULTI-CORE PERFORMANCE



ADVANCED AMD RADEON™ GRAPHICS BUILT-IN



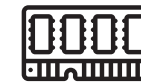
NEW "ZEN 3" ARCHITECTURE



LARGE ON-CHIP MEMORY



WI-FI 6E SUPPORT⁸



LPDDR MEMORY SUPPORT



PROCESSOR EMBEDDED SECURITY FEATURES

1. C2M-1 'Best Mobile Processors' is defined as having the highest multi-thread processing performance in each of four (4) classes of Ryzen 5000 series processors. Testing by AMD engineering using the the Cinebench R20 nT benchmark, measuring multithreaded performance of a Ryzen 9 5900HX processor engineering sample vs Core i9-10980HK, Ryzen 7 5800U processor engineering sample vs Core i7-1185G7 processor, the Ryzen 5 5600U processor engineering sample vs Core i5-1135G7 processor, and a Ryzen 3 5400U processor engineering sample vs Core i3-1115G4 processor. Performance may vary.
 2. C2M-26 As of December 2020, the Ryzen 5000 series mobile processors are the "Most advanced/powerful mobile processors," defined as the highest-performing single-thread and multi-thread performance available on x86 mobile processors.
 3. C2M-33 Testing by AMD Performance Labs as of 12/08/2020 using an AMD Ryzen 7 5800U processor on an AMD Reference Platform configured with a 53Whr battery, WLAN enabled and Bluetooth off, using 1080p video playback (result: up to 214 hours) and the MobileMark 2018 benchmark test (result: up to 17.5 hours).
 4. C2M-38 Testing by AMD Performance Labs as of 12/30/2020 using PCMark 10, PCMark Apps (APP Performance Overall), Word, Excel, PowerPoint, Edge to measure the productivity performance of a Ryzen 7 4800U vs. Core i7-1165G7; a Ryzen 7 5800U vs. Core i7-1165G7 and 4800U; a Ryzen 5 5600U vs Core i5-1135G7; and a Ryzen 3 5400U vs. Core i3-1115G4. Results may vary. PC Mark is a registered trademark of Futuremark Corporation.
 5. C2M-9 Testing by AMD engineering based on Blender and Handbrake benchmarks, measuring the rendering and encoding performance of the Ryzen 7 5800U processor vs the Core i7-1165G7 processor. Performance may vary.
 6. C2M-28 Testing by AMD Performance Labs, 12/8/20, using the Cinebench R20 1T and nT benchmark to measure the single-thread and multi-thread performance of an AMD Ryzen 9 5980HX processor vs. a similarly configured Alienware M17 r3 with a Core i9-10980HK. Results may vary.
 7. 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.
 8. 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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