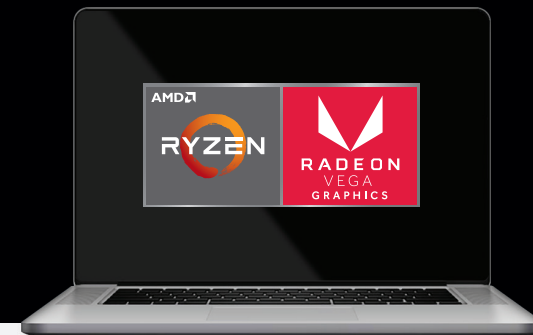


QUICK REFERENCE GUIDE

2ND GEN AMD RYZEN™ MOBILE PROCESSORS WITH RADEON™ VEGA GRAPHICS

THE ULTIMATE LAPTOP PROCESSORS



THE WORLD'S FASTEST PROCESSOR FOR ULTRATHIN LAPTOPS (AGAIN)¹

- A PC powered by 2nd Gen AMD Ryzen™ Mobile Processors with Radeon™ Vega Graphics is 4K-capable for crystal clear streaming² and multitasks for hours on a single charge.
- Delivers ultra-fast responsiveness when watching movies, chatting with friends, and getting your work done.
- The intelligent 2nd Gen AMD Ryzen™ Mobile Processor with Radeon™ Vega ensures your PC always performs at its peak.³
- The 2nd Gen AMD Ryzen™ 7 3700 offers best in class performance¹ and can edit media up to 29% faster than the Core i7-8550U.⁴

WORK, STREAM AND PLAY

- The 2nd Gen AMD Ryzen™ Mobile Processor with Radeon™ Vega Graphics delivers incredible power for smooth video streaming, multi-monitor support and heart-pounding HD gaming.
- The AMD Ryzen™ 5 3500U can load websites up to 14% faster than the Core i5-8250U.⁵
- Enjoy high performance gaming on the move, with HD visual quality that ensures sharp, stunning graphics.
- The 2nd Gen AMD Ryzen™ Mobile Processor provides smooth, stutter-free gaming at virtually any framerate when a laptop is paired with a Radeon FreeSync™ technology-enabled display.⁶



2ND GEN AMD RYZEN™ 7 MOBILE PROCESSOR

The AMD Ryzen™ 7 3700U can edit media up to 29% faster than the Core i7-8550U.⁴

BEST FOR:



Fast video and photo editing



Running demanding programs at the same time



Playing your favorite games in HD



Best battery life*



2ND GEN AMD RYZEN™ 5 MOBILE PROCESSOR

The AMD Ryzen™ 5 3500U can edit media up to 27% faster than the Core i5-8250U.⁵

BEST FOR:



Light video and photo editing



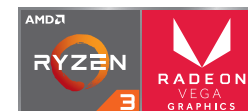
Efficient multitasking



Streaming movies in 4k



Better battery life*



2ND GEN AMD RYZEN™ 3 MOBILE PROCESSOR

Streaming videos in 4K, fast browsing, running several documents for school or work and connecting with friends in social media.

BEST FOR:



Streaming videos in 4K



Fast browsing and running several documents



Connecting with friends on social media



Good battery life*

*Compared to other AMD Ryzen™ 3000 Series Mobile Processors

2 ND GEN AMD RYZEN MOBILE PROCESSORS WITH RADEON™ VEGA GRAPHICS	CORES/ THREADS	TYPICAL TDP	BOOST/BASE FREQ.	RADEON™ GRAPHICS	GPU CORES	GPU FREQ.	L2+L3 CACHE	PROCESS NODE	MAX DISPLAYS	4K STREAMING CAPABLE ²
AMD Ryzen™ 7 3750H	4C/8T	35W	4.0/2.3 GHz	VEGA	10	1400 MHz	6MB	12nm	4x	●
AMD Ryzen™ 7 3700U	4C/8T	15W	4.0/2.3 GHz	VEGA	10	1400 MHz	6MB	12nm	4x	●
AMD Ryzen™ 5 3550H	4C/8T	35W	3.7/2.1 GHz	VEGA	8	1200 MHz	6MB	12nm	4x	●
AMD Ryzen™ 5 3500U	4C/8T	15W	3.7/2.1 GHz	VEGA	8	1200 MHz	6MB	12nm	4x	●
AMD Ryzen™ 3 3300U	4C/4T	15W	3.5/2.1 GHz	VEGA	6	1200 MHz	6MB	12nm	4x	●
AMD Ryzen™ 3 3200U	2C/4T	15W	3.5/2.6 GHz	VEGA	5	1200 MHz	6MB	14nm	3x	●
AMD Athlon™ 300U	2C/4T	15W	3.3/2.4 GHz	VEGA	3	1000 MHz	5MB	14nm	3x	●

For more information visit www.AMD.com

- Processor for ultrathin notebooks" defined as 15W typical TDP. "Class" for "best-in-class" defined as an ultrathin notebook <20mm Z-height. Testing conducted by AMD performance labs as of 12/02/2018. Cinebench R15 nT ("CPU"): Core i5-8250U vs. Ryzen™ 5 3500U: 524 vs. 651 (24%/1.24X faster for AMD); Core i7-8565U vs. Ryzen™ 7 3700U: 619 vs. 688 (11%/1.11X faster for AMD) | 3DMark® Time Spy ("GPU"): Core i5-8250U vs. Ryzen™ 5 3500U: 399 vs. 907 (127%/2.27X faster for AMD); Core i7-8565U vs. Ryzen™ 7 3700U: 444 vs. 967 (118%/2.18X faster for AMD) | 50:50 Average of GPU and CPU: Core i5-8250U vs. Ryzen™ 5 3500U: (0.5×1.24+0.5×2.27) = 1.75X faster for AMD; Core i7-8565U vs. Ryzen™ 7 3700U: (0.5×1.11+0.5×2.18) = 1.645X faster for AMD Core i7-8565U Test System: Dell Inspiron 7586, 2x4GB DDR4-2400, Samsung 850 EVO SSD, Intel Graphics HD 620 (driver 24.20.100.6287), Windows® 10 Pro x64 (build 1803). Core i5-8250U Test System: HP Spectre 13t, 2x4GB LPDDR4-2133, Samsung 850 EVO SSD, Intel Graphics HD 620 (driver 24.20.100.6287), Windows® 10 Pro x64 (build 1803). AMD Ryzen™ Test System: AMD Reference Motherboard, 2x4GB DDR4-2400, Radeon™ Vega10 Graphics (driver 18.41-181105a), Windows® 10 Pro x64 (build 1803). Results may vary with configuration and drivers. RVM-155
- HDR content requires that the system be configured with a fully HDR-ready content chain, including: graphics card, monitor/TV, graphics driver and application. Video content must be graded in HDR and viewed with an HDR-ready player. Windowed mode content requires operating system support. GD-96
- AMD SenseMI technology is built into all Ryzen processors, but specific features and their enablement may vary by product and platform. Learn more at <http://www.amd.com/en/technologies/sense-mi>. GD-126
- Testing by AMD performance labs as of 12/4/2018. "Edit media" defined as a series of GPU-accelerated Adobe Photoshop image transformation filters. Core i7-8550U vs. Ryzen™ 7 3700U result: 74.53 seconds (100%) vs. 52.9 seconds (129%/1.29X/29% faster). Core i5-8250U vs. Ryzen™ 5 3500U result: 77 seconds (100%) vs. 56 seconds (127%/1.27X/27% faster). AMD Ryzen™ Test System: AMD Reference Motherboard, 2x4GB DDR4-2400, Radeon™ Vega10 Graphics (driver 18.41-181105a), Windows® 10 Pro x64 (build 1803). Intel Test System: HP EliteBook 830 G5, Core i7-8550U, 2x4GB DDR4-2400, Intel Graphics HD 620 (driver 22.20.16.4799), Windows® 10 Pro x64 (build 1803). Results may vary with configuration and drivers. RVM-157
- Testing by AMD performance labs as of 12/4/2018. "Web browsing" defined as PCMark® 10 Essentials web browsing sub-test. Core i5-8250U vs. Ryzen™ 5 3500U result (higher is better): 6086 (100%) vs. 6988 (114%/1.14X/14% faster). AMD Ryzen™ Test System: AMD Reference Motherboard, AMD Ryzen™ 5 3500U, 2x4GB DDR4-2400, Radeon™ Vega10 Graphics (driver 18.41-181105a), Windows® 10 Pro x64 (build 1803). Intel Test System: HP EliteBook 830 G5, i5-8550U, 2x4GB DDR4-2400, Intel Graphics HD 620 (driver 22.20.16.4799), Windows® 10 Pro x64 (build 1803). Results may vary with configuration and drivers. RVM-156
- Requires a monitor and AMD Radeon™ graphics, both with FreeSync support. See www.amd.com/freesync for complete details. Confirm capability with your system manufacturer before purchase. GD-127

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