

HIGHLIGHTS: ELEVATING THE EVERYDAY LAPTOP

AMD is advancing the everyday laptop experience with AMD Ryzen™ 7020 Series processors, bringing accelerated performance, incredible battery life, and an all-new modern platform.

PURE SPEED: Accelerated performance

- Responsive productivity performance, with **multitasking up to 2.5X as fast as previous generation** (vs. AMD Ryzen 3 3250U)¹
- Cutting-edge **AMD Radeon™ 610M built-in graphics** deliver rich entertainment, smooth video calls, and casual esports gaming

FREEDOM TO UNPLUG: Stay on the move with long battery life

- Up to **12 hours battery life**² video playback expected in typical systems
- Built on **advanced AMD 6nm processor technology**, bringing incredible efficiency and performance to everyday laptops

EXPERIENCE INNOVATION: A new, modern everyday platform

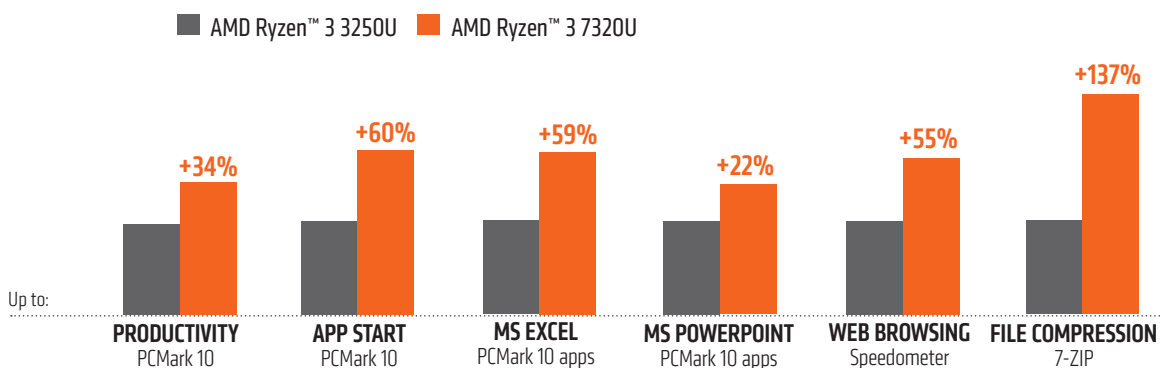
- Enables **the modern experiences customers want** with support for new platform technologies and fast LPDDR5 memory
- **Full support for Windows 11 security features** with the built-in Microsoft Pluton security processor³

PERFORMANCE: AMD Ryzen™ 3 7320U vs. AMD Ryzen™ previous gen.

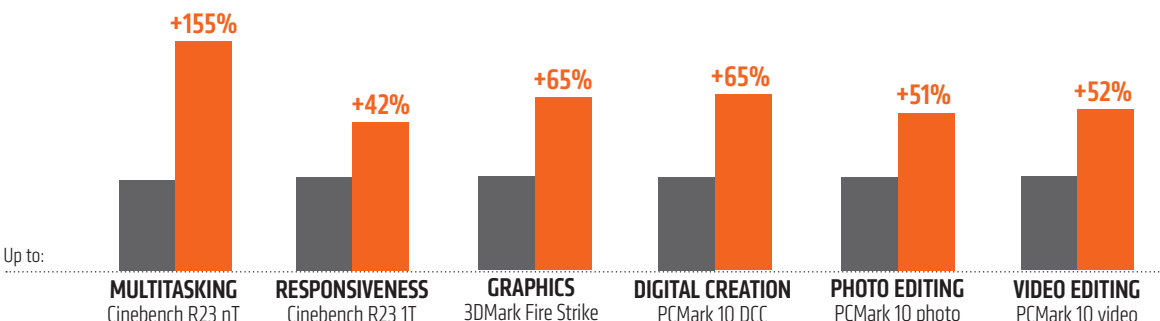
Everyday users can work, play, and create with fast, snappy performance on laptops powered by AMD Ryzen™ 7020 processors.












PRODUCTIVITY⁴





OVERALL PERFORMANCE & CONTENT CREATION^{1,5}



FEATURES: Advancing the everyday experience

 Fast Memory Supports high-bandwidth LPDDR5 memory for fast data transfer	 Advanced Built-in Graphics Cutting-edge graphics redefine entertainment on the everyday laptop	 Modern Platform Technology Supports modern tech like Modern Standby, Wake-on-Voice, Microsoft Ink, Fast Charging, Secure Bio Support, and more.
 Advanced Processor Technology AMD 6nm processor technology brings high performance to everyday notebooks	 Improved Display Support Double the Type-C ports vs. last gen with DisplayPort alt-mode and up to 4 display support	 High Resolution Streaming Fast, efficient AV1 decode ⁶ support for the future of ultra high-resolution streaming
 Long Battery Life Up to 12 hours battery life expected ² (video playback) for the freedom to stay on-the-go	 Full Windows 11 Security Features Keep data protected with the Microsoft Pluton security processor ³ onboard	 Latest Connectivity Stay confidently connected with support for up to advanced Wi-Fi™ 6e ⁷

AMD RYZEN™ 7020 SERIES MODELS

	Model	Architecture	Cores/Threads	Total Cache	Boost Freq ⁸	TDP
	AMD Ryzen™ 5 7520U	6nm “Zen 2” enhanced	4C / 8T	6MB	up to 4.3 GHz	8-15W
	AMD Ryzen™ 3 7320U	6nm “Zen 2” enhanced	4C / 8T	6MB	up to 4.1 GHz	8-15W

FOOTNOTES

- MDN-6 Testing by AMD Performance Labs as of Aug 2022, utilizing a reference board configured with an AMD Ryzen 3 7320U CPU, integrated AMD Radeon 610M graphics, 4GB RAM, 1TB NVMe SSD, and Windows 11 Pro, and a similarly configured laptop with an AMD Ryzen 3 3250U CPU, 4GB RAM, 256GB NVMe SSD, and Windows 11 Pro in the following benchmarks: Cinebench R23, Passmark 10, 3DMark Fire Strike. 3DMark is a registered trademark of Futuremark Corporation. PC manufacturers may vary configurations yielding different results. Performance may vary.
- MDN-1 Based on preliminary internal engineering estimates using a WER Video Playback test as of August 2022. Estimate based on multiple laptop platforms with a 40 to 45 Wh battery. Actual results subject to change.
- GD-202 Microsoft Pluton is a technology owned by Microsoft and licensed to AMD. Microsoft Pluton is a registered trademark of Microsoft Corporation in the United States and/or other countries. Learn more at <https://www.microsoft.com/security/blog/2020/11/17/meet-the-microsoft-pluton-processor-the-security-chip-designed-for-the-future-of-windows-pcs/>. Microsoft Pluton requires OEM enablement.
- MDN-7 Testing by AMD Performance Labs as of Aug 2022, utilizing a reference board configured with an AMD Ryzen 3 7320U CPU, integrated AMD Radeon 610M graphics, 4GB RAM, 1TB NVMe SSD, and Windows 11 Pro, and a similarly configured laptop with an AMD Ryzen 3 3250U CPU, 4GB RAM, 256GB NVMe SSD, and Windows 11 Pro in the following benchmarks: PCMark 10 test suite, Speedometer and 7-Zip. PCMark is a registered trademark of Futuremark Corporation. PC manufacturers may vary configurations yielding different results. Performance may vary.
- MDN-8 Testing by AMD Performance Labs as of Aug 2022, utilizing a reference board configured with an AMD Ryzen 3 7320U CPU, integrated AMD Radeon 610M graphics, 4GB RAM, 1TB NVMe SSD, and Windows 11 Pro, and a similarly configured laptop with an AMD Ryzen 3 3250U CPU, 4GB RAM, 256GB NVMe SSD, and Windows 11 Pro in the PCMark 10 suite benchmarks. PCMark is a registered trademark of Futuremark Corporation. PC manufacturers may vary configurations yielding different results. Performance may vary.
- GD-176 Video codec acceleration (including at least the HEVC (H.265), H.264, VP9, and AV1 codecs) is subject to and not operable without inclusion/installation of compatible media players.
- GD-149 Wi-Fi 6 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information.
- GD-150 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.

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