

AMD RYZEN™ 6000 H-SERIES PROCESSORS

VS

12TH GEN INTEL CORE PROCESSORS

AMD RYZEN™ 6000 SERIES PROCESSORS DELIVER THE ULTIMATE MOBILE GAMING EXPERIENCE



Leadership Efficiency & Battery Life



Ultra Smooth Gaming at High Settings



Paired with Premium Graphics & Technologies

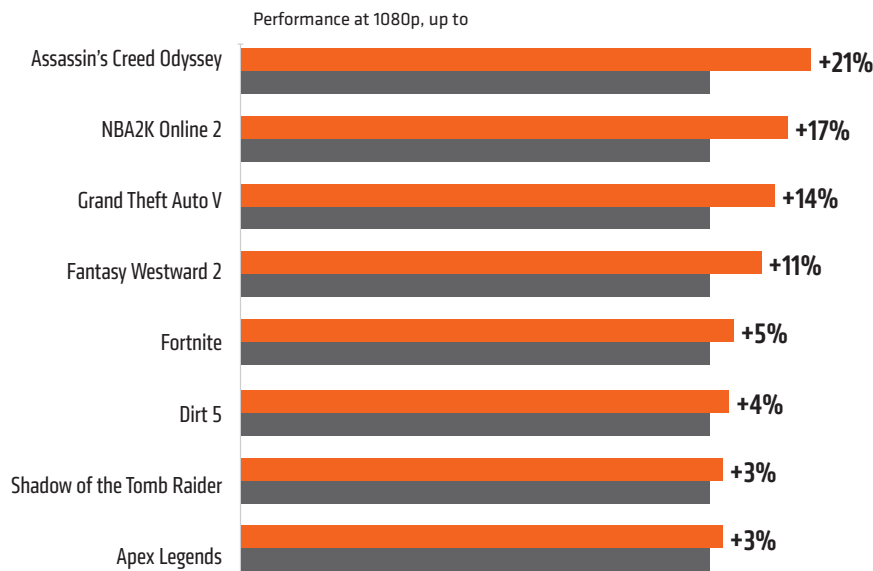


Thin, Light, Cool & Quiet Gaming Laptops

AMD leads in AAA Gaming, Everyday Workloads, and Battery Life in Identical Chassis

INTEL NEEDS 14 CORES TO AMD'S 8 CORES, AND STILL CAN'T KEEP UP

Game on average 7% faster across top titles¹

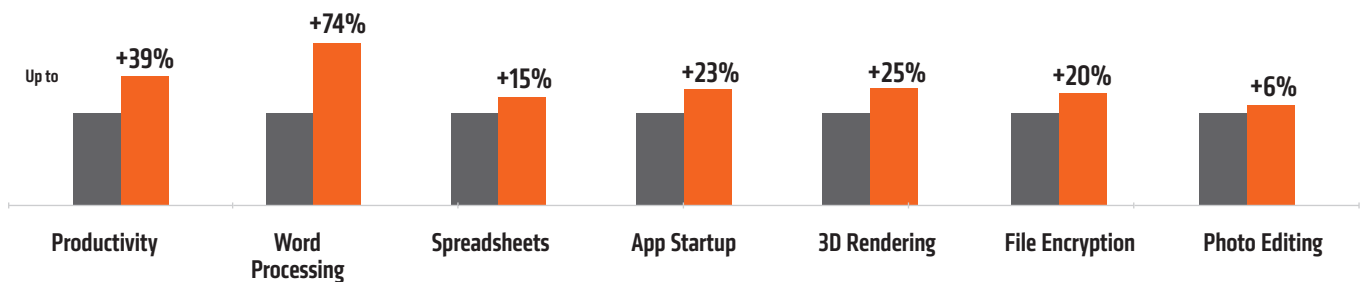


- AMD Ryzen™ 7 6800H (8 cores) + GeForce GTX 3060
- Intel Core i7-12700H (14 cores) + GeForce GTX 3060



Up to **+15% longer battery life²**

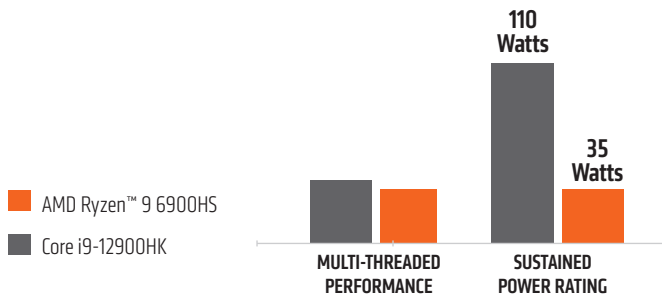
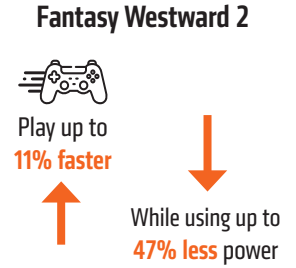
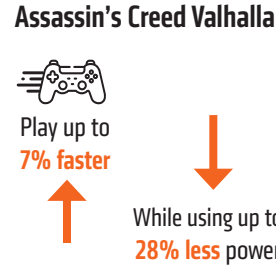
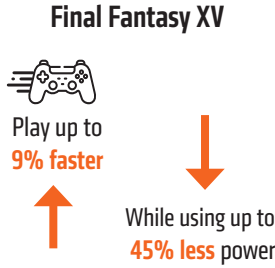
Get double digit performance leads across content creation and productivity workloads²



AMD Brings Faster Gaming, More Efficient Performance

FOR THIN AND LIGHT GAMING LAPTOPS WITH LONG-LASTING BATTERY LIFE

AMD Ryzen™ 7 6800H processor offers on average **7% FASTER GAMING** while using **8% LESS POWER** than Intel Core i7-12700H across select titles¹



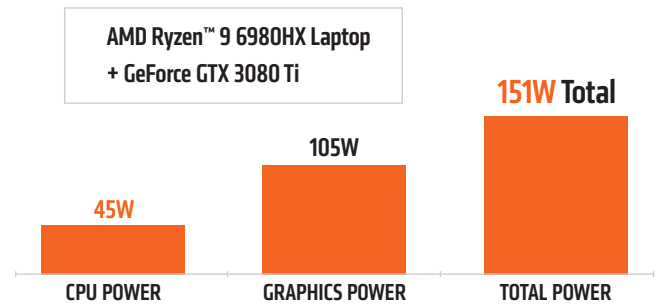
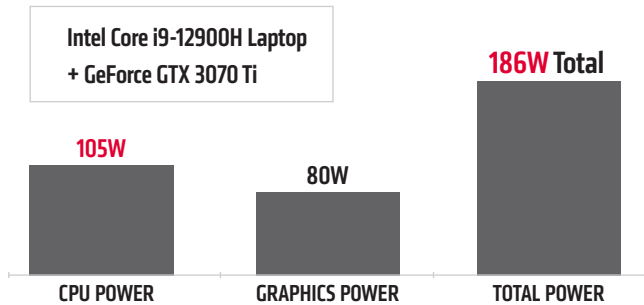
AMD Ryzen™ 9 6900HS can provide up to **2.6X the performance per watt** compared to Intel Core i9-12900HK³

AMD Ryzen™ Processors Ideal Match for Powerful Gaming Graphics⁴

WHERE DO YOUR CUSTOMERS WANT TO SPEND THE POWER BUDGET IN THEIR GAMING LAPTOP?

The competition is maxing out processor power at 105W, at the expense of efficiency and graphics.

AMD laptop graphics are multiple segments higher, while still maintaining lower overall system TDP for better mobile experience.



FOOTNOTES

- RMB-57 Based on testing by AMD as of 4/13/2022. Game performance represented by an average FPS score across the following games: Shadow of the Tomb Raider, Red Dead Redemption 2, Sid Meiers Civilization VI, Wolfenstein Youngblood, Halo, Apex Legends, Assassin's Creed Odyssey, Grand Theft Auto V, Final Fantasy XV, Assassin's Creed Valhalla, Dirt 5, Fortnite, World of Tanks Encore, NBA2K Online 2, Fantasy Westward 2, Chinese Paladin S6F7. Configuration for Ryzen™ 7 6800H system: ASUS TUF (FA507) laptop configured with 16GB LPDDR5-4800, Windows 11 22000.282, 512GB SSD, GeForce GTX 3060, GPU driver 30.0.14.9733, BIOS FA507RM 305. Configuration for Core i7-12700H system: ASUS TUF (FX507) laptop configured with 16GB LPDDR5-4800, Windows 11 22000.282, 512GB SSD, GeForce GTX 3060, GPU driver 30.0.14.9733, BIOS 310. Results may vary.
- RMB-55 Based on testing by AMD as of 4/13/2022. Productivity performance represented by PCMark 10 productivity benchmark; Application launch speed represented by PCMark 10 app start-up benchmark; word processing performance represented by PCMark 10 Writing benchmark; 3D rendering performance represented by Blender; File Encryption encryption benchmark; battery life represented by ADK video playback test. Configuration for Ryzen™ 7 6800H system: ASUS TUF (FA507) laptop configured with 16GB LPDDR5-4800, Windows 11 22000.282, 512GB SSD, GeForce GTX 3060, GPU driver 30.0.14.9733, BIOS FA507RM 305. Configuration for Core i7-12700H system: ASUS TUF (FX507) laptop configured with 16GB LPDDR5-4800, Windows 11 22000.282, 512GB SSD, GeForce GTX 3060, GPU driver 30.0.14.9733, BIOS 310. Results may vary.
- RMB-45 Based on testing by AMD and notebookcheck.com as of 02/07/2022 using the Cinebench rT benchmark / Sustained power limit for each system. Configuration for Ryzen™ 9 6900HS system: ASUS G14 configured with 2x8GB DDR5-4800, Windows 11 22000.282, 1TB SSD, Radeon 6800S graphics, sustained processor power limit of 35W. Data for Core i9-12900HK provided by notebookcheck.com: <https://www.notebookcheck.net/Intel-Core-i9-12900HK-Processor-Benchmarks-and-Specs.589165.0.html>. Configuration for Core i9-12900HK: MSI GE76 Raider configured with 2x16GB DDR5-4800, Windows 11, 2x16GB SSD, GeForce GTX 3080 Ti, sustained processor power limit of 110W. Results may vary.
- RMB-60 Based on testing by AMD as of 4/13/2022. CPU, GPU, and total system power as specified by the laptop's power profile as configured by the OEM. Testing results demonstrated in the following games: Assassin's Creed Valhalla, Borderlands 3, Assassin's Creed Odyssey, Total War Warhammer 2: Battle, Total War Three Kingdoms, Shadow of the Tomb Raider, Middle Earth: Shadow of War, Rise of the Tomb Raider, HITMAN 2, FI 2020, Strange Brigade. Ryzen 9 6980HX system: ASUS Duo GX650RX, Ryzen 9 6980HX (45W CPU power allocated), GeForce RTX 3080Ti (105W GPU power allocated) 64GB DDR5-4800, 2 x 2TB SATA SSD, 15.6" 3840 x 2400, (151W total system power allocated). Core i9-12900H system: MSI GS66, Intel Core i9-12900H (105W CPU power allocated), GeForce RTX 3070Ti (80W GPU power allocated) 32GB DDR5-4800, 1TB NVME, 15.6" 1920 x 1080, (186W total system power allocated). Results may vary.

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