

AMD RYZEN™ 7045HX SERIES PROCESSORS

VS

14TH GEN INTEL CORE PROCESSORS

ULTIMATE LAPTOP PROCESSORS

AMD Ryzen™ 7045HX Series processors are designed to deliver the most performance you can get in a mobile processor.

FASTEST GAMING PROCESSORS¹

AMD Ryzen™ 9 7945HX and 7945HX3D processors can deliver the fastest gaming performance available in a laptop

FASTER CONTENT CREATION

Edit 4K video, render 3D scenes, and multitask demanding applications faster than 14th Gen Intel Core processors^{2,3}

UNPLUG & BE FREE

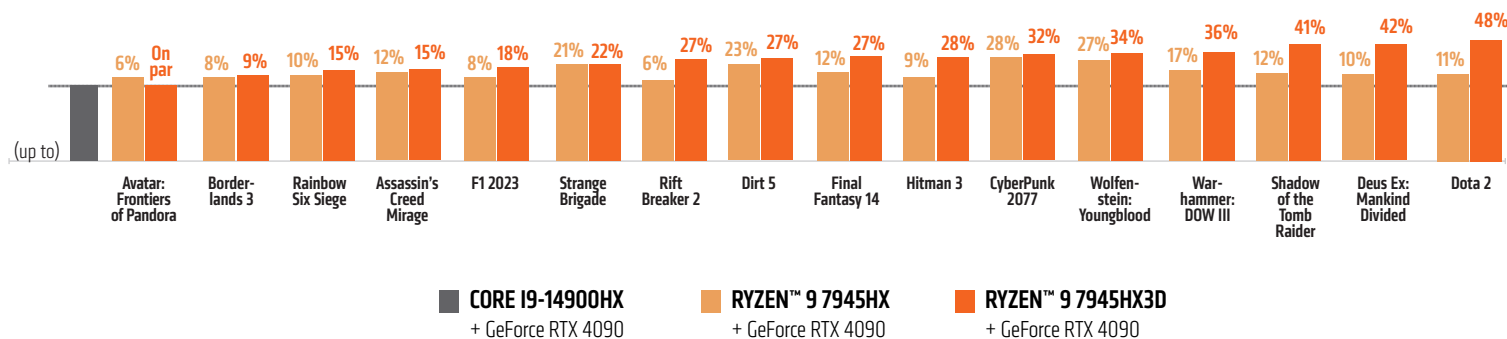
With AMD smart power management, get up to 7% longer battery life than the competition⁴ in a similar laptop (Ryzen 9 7945HX vs Core i9-14900HX)

WORLD'S FASTEST MOBILE GAMING PROCESSORS¹

RYZEN™ 9 7945HX3D | RYZEN™ 9 7945HX

AMD Ryzen™ 9 7945HX3D vs. Intel Core i9-14900HX:
20% FASTER GAMING average across 25 titles¹

AMD Ryzen™ 9 7945HX vs. Intel Core i9-14900HX:
11% FASTER GAMING average across 25 titles¹

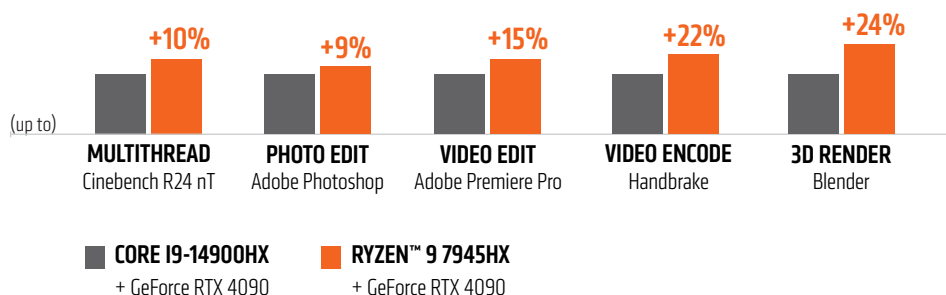


ULTIMATE CONTENT CREATION

RYZEN™ 9 7945HX VS CORE I9-14900HX

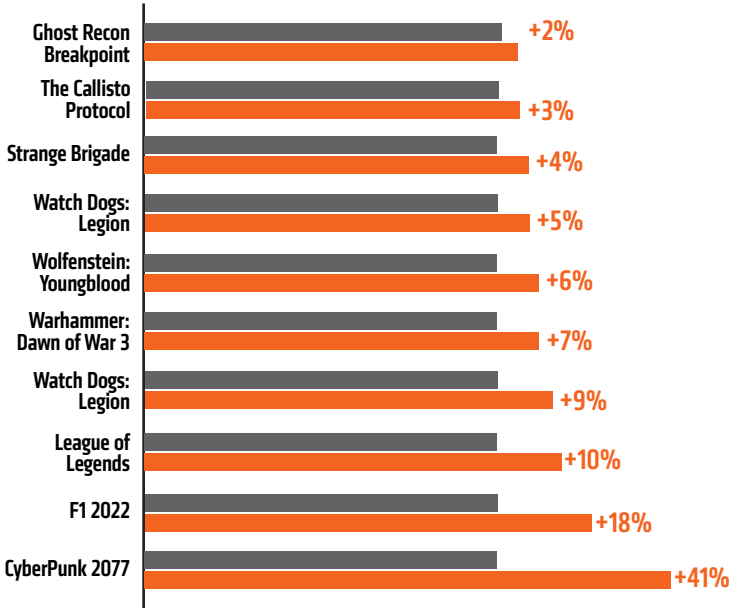
FASTER APPLICATION PERFORMANCE FOR CREATORS²

Tackle demanding workloads with speed.



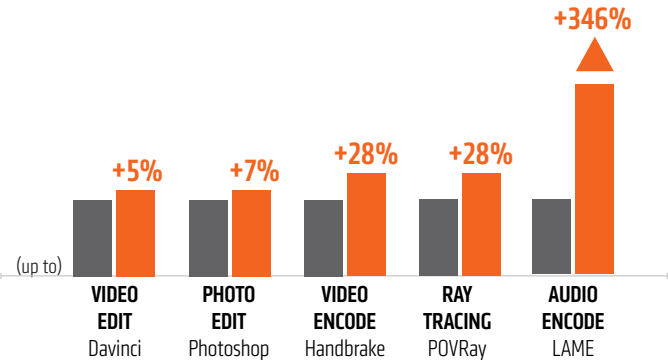
POWERFUL GAMING AND CONTENT CREATION
RYZEN™ 7 7745HX vs CORE I7-14700HX

WINNING GAME PERFORMANCE⁵ 1080P HIGH SETTINGS (UP TO)



CORE I7-14700HX + GeForce RTX 4060

FASTER CONTENT CREATION³



RYZEN™ 7 7745HX + GeForce RTX 4060

SPECIFICATIONS

AMD RYZEN	HIGH-PERFORMANCE CORES	PROCESS (lower is better)	CACHE	TDP
AMD Ryzen 9 7945HX3D/ AMD Ryzen™ 9 7945HX	16C / 32T	5nm	144MB/ 80MB	55W+
AMD Ryzen™ 9 7845HX	12C / 24T	5nm	76MB	55W+
AMD Ryzen™ 7 7745HX	8C / 16T	5nm	40MB	55W+
AMD Ryzen™ 5 7645HX	6C / 12T	5nm	38MB	55W+

INTEL CORE	PERFORMANCE / EFFICIENCY CORES / THREADS	PROCESS (lower is better)	CACHE	TDP
i9-14900HX	8p / 16e / 32T	10nm	36MB	55W+
i7-14700HX i7-14650HX	8p / 12e / 28T 8p / 8e / 24T	10nm	33MB 30MB	55W+
i5-14500HX i5-14450HX	6p / 8e / 20T 6p / 4e / 16T	10nm	24MB 20MB	55W+

FOOTNOTES:

1. Testing by AMD performance labs as of Jan 2024 in the following game titles tested at 1080p high settings: Ashes of Singularity, Assassin's Creed Mirage, Assassin's Creed Valhalla, Avatar: Frontiers of Pandora, Borderlands 3, CyberPunk 2077, Deus Ex: Mankind Divided, Dirt 5, Dota 2, F1 2023, Final Fantasy 14, Final Fantasy 14: Endwalker, Hitman 3, League of Legends, Metro Exodus, Rainbow Six Siege, Red Dead Redemption 2, Rift Breaker 2, Shadow of the Tomb Raider, Strange Brigade, Tiny Tina's Wonderlands, Total War: Warhammer 3, Warhammer: Dawn of War III, World of Tanks Encore, Wolfenstein: Youngblood. Configuration for AMD Ryzen 9 7945HX and 7945HX3D processors (55W TDP): ASUS ROG Strix SCAR 17, Nvidia GeForce RTX 4090 GPU, 32GB 4800MHz RAM, 1TB SSD. Configuration for Core i9-14900HX processor (55W): ASUS ROG Strix SCAR 18, Nvidia GeForce RTX 4090 GPU, 32GB 5600MHz RAM, 2TB SSD. Laptop manufacturers may vary configurations yielding different results. DRG-19
2. Testing by AMD performance labs as of Jan 2024 in the following benchmarks: 7Zip, Handbrake, LAME, Puget Adobe Photoshop, Puget Adobe Premiere Pro, Puget Davinci Resolve, Blender, Cinebench R24, PCMark 10. Configuration for AMD Ryzen 9 7945HX and 7945HX3D processors (55W TDP): ASUS ROG Strix SCAR 17, Nvidia GeForce RTX 4090 GPU, 32GB 4800MHz RAM, 1TB SSD. Configuration for Core i9-14900HX processor (55W): ASUS ROG Strix SCAR 18, Nvidia GeForce RTX 4090 GPU, 32GB 5600MHz RAM, 2TB SSD. Laptop manufacturers may vary configurations yielding different results. DRG-20
3. Testing by AMD performance labs as of March 1, 2024 in the following benchmarks: 7Zip, Handbrake, LAME, Puget Adobe Photoshop, Puget Davinci Resolve, POVRay, PCMark 10 apps. Configuration for AMD Ryzen 7 7745HX processor (55W TDP): Lenovo Legion Pro 5 16", Nvidia GeForce RTX 4060 GPU, 16GB RAM, 1TB SSD. Both with VBS and ReBAR enabled. Laptop manufacturers may vary configurations yielding different results. DRG-23
4. Testing as of Jan 2024 using Video Playback battery test. Configuration for AMD Ryzen 9 7945HX processor (55W TDP): ASUS ROG Strix SCAR 17, Nvidia GeForce RTX 4090 GPU, 32GB 4800MHz RAM, 2TB SSD, 90Whr battery. Configuration for Core i9-14900HX processor (55W): ASUS ROG Strix SCAR 18, Nvidia GeForce RTX 4090 GPU, 32GB 5600MHz RAM, 2TB SSD, 90Whr battery. Laptop manufacturers may vary configurations yielding different results. DRG-21
5. Testing by AMD performance labs as of March 1, 2024 in the following game titles tested at 1080p high settings: Shadow of the Tomb Raider, Metro Exodus, Hitman 3, Rainbow Six Siege, Deus Ex: Mankind Divided, Ghost Recon Breakpoint, The Callisto Protocol, Horizon Zero Dawn, Ashes of the Singularity: Escalation, Strange Brigade, Wolfenstein: Youngblood, Warhammer: Dawn of War III, Watch Dogs: Legion, League of Legends, F1 2022, CyberPunk 2077. Configuration for AMD Ryzen 7 7745HX processor (55W TDP): Lenovo Legion Pro 5 16", Nvidia GeForce RTX 4060 GPU, 16GB 5200MHz RAM, 1TB SSD. Configuration for Core i7-14700HX processor (55W): Lenovo Legion Pro 5 16", Nvidia GeForce RTX 4060 GPU, 16GB RAM, 1TB SSD. Both with VBS and ReBAR enabled. Laptop manufacturers may vary configurations yielding different results. DRG-22

