AMD AMD RYZEN[™] 8000 HX SERIES PROCESSORS

Top Tier Performance for Serious Workloads

8000 Series

ULTRA PERFORMANCE Designed to win with exceptional performance for both demanding gaming and content creation workloads.		ADVANCED TECHNOLOGY Power, performance and efficiency are at your fingertips due to the technological innovation of the 5nm "Zen 4" architecture found inside AMD Ryzen [™] 8000 HX Series processors.			/ AM n ge 1D helj 5.	READY FOR DEMANDING MULTI- CORE WORKLOADS AMD offers the most threads you can get in a mobile PC processor, which helps deliver serious performance for highly threaded applications.			LATEST WIFI TECHNOLOGY Supporting up to the latest Wifi 7 ¹ – the most advanced technology for fast and confident connectivity.
Badge	Model	Cores / Threads	Boost Frequency ²	Base Frequency	TDP	Total Cache	Architecture	Node	
AMDA RYZEN 9 HX	AMD Ryzen™ 9 8945HX	16/32	5.4 GHz	2.5 GHz	55-75W	80MB	"Zen 4"	5nm	
AMDA RYZEN 9 HX	AMD Ryzen™ 9 8940HX	16/32	5.3GHz	2.4 GHz	55-75W	80MB	"Zen 4"	5nm	
AMDA RYZEN 7 HX	AMD Ryzen™ 7 8840HX	12/24	5.1 GHz	2.9 GHz	45-75W	76MB	"Zen 4"	5nm	
AMDA RYZEN 7 HX	AMD Ryzen™ 7 8745HX	8/16	5.1 GHz	3.6 GHz	45-75W	40MB	"Zen 4"	5nm	

Wi-Fi 6E, Wi-Fi 7 and Bluetooth 5.0 availability varies by laptop manufacturer and are system configuration dependent. Check with your laptop manufacturer for compatibility information. GD-149a

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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