

2026 AMD Ryzen™ Processors for Consumer



AMD Ryzen™ 9000HX Series Processors

'Fire Range'

Badge (for all systems)	Model	Cores /Threads	Frequency Boost ¹ (up to)/ Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	Compared To ²
	AMD Ryzen™ 9 9955X3D	16 / 32	Up to 5.4 / 2.5 GHz	144 MB	AMD Radeon™ 610M Graphics	4nm	55-75W	Zen 5	Intel Core Ultra 9 290HX Plus Intel Core Ultra 9 285HX
	AMD Ryzen™ 9 9955HX	16 / 32	Up to 5.4 / 2.5 GHz	80 MB	AMD Radeon™ 610M Graphics	4nm	55-75W	Zen 5	Intel Core Ultra 9 285HX Intel Core Ultra 9 275HX
	AMD Ryzen™ 9 9850HX	12 / 24	Up to 5.2 / 3.0 GHz	76 MB	AMD Radeon™ 610M Graphics	4nm	45-75W	Zen 5	Intel Core Ultra 9 275HX Intel Core Ultra 7 270HX Plus Intel Core Ultra 7 265HX



AMD Ryzen™ 8000HX Series Processors

'Dragon Range-R'

Badge (for all systems)	Model	Cores /Threads	Frequency Boost¹/Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	Compared To²
	AMD Ryzen™ 9 8945HX	16 / 32	Up to 5.4 / 2.5 GHz	80 MB	AMD Radeon™ 610M Graphics	5nm	55-75W	Zen 4	Intel Core Ultra 9 275HX Intel Core i9-14900HX
	AMD Ryzen™ 9 8940HX	16 / 32	Up to 5.3 / 2.4 GHz	80 MB	AMD Radeon™ 610M Graphics	5nm	55-75W	Zen 4	Intel Core Ultra 9 275HX Intel Core i9-14900HX Intel Core i9-14700HX
	AMD Ryzen™ 7 8840HX	12 / 24	Up to 5.1 / 2.9 GHz	76 MB	AMD Radeon™ 610M Graphics	5nm	45-75W	Zen 4	Intel Core Ultra 7 265HX Intel Core i7-14700HX Intel Core i7-14650HX
	AMD Ryzen™ 7 8745HX	8 / 16	Up to 5.1 / 3.6 GHz	40 MB	AMD Radeon™ 610M Graphics	5nm	45-75W	Zen 4	Intel Core i7-14650HX Intel Core i5-14500HX



AMD Ryzen™ AI Max Series Processors
'Strix Halo'



Badge (for all systems)	Model	Cores /Threads	Frequency Boost¹ / Base	Cache L2 + L3	Graphics / CUs	Node	TDP	Architecture	AMD Ryzen™ AI	NPU TOPS³ (up to)	Compared To²
	AMD Ryzen™ AI Max+ 395	16 / 32	Up to 5.1 GHz / 3.0 GHz	80 MB	AMD Radeon™ 8060S / 40 CUs	4nm	45W-120W	Zen 5	✓	50 TOPS	Intel Core Ultra Series 3 (12Xe) Qualcomm Snapdragon X2 Elite Extreme Apple M5 / M5 Pro / M4 Pro
	AMD Ryzen™ AI Max+ 392	12 / 24	Up to 5.0 GHz / 3.2 GHz	76 MB	AMD Radeon™ 8060S / 40 CUs	4nm	45W-120W	Zen 5	✓	50 TOPS	Intel Core Ultra Series 3 (12Xe) Qualcomm Snapdragon X2 Elite Apple M5 / M5 Pro / M4 Pro
	AMD Ryzen™ AI Max 390	12 / 24	Up to 5.0 GHz / 3.2 GHz	76 MB	AMD Radeon™ 8050S / 32 CUs	4nm	45W-120W	Zen 5	✓	50 TOPS	Intel Core Ultra Series 3 (12Xe) Qualcomm Snapdragon X2 Elite Apple M5
	AMD Ryzen™ AI Max+ 388	8 / 16	Up to 5.0 GHz / 3.6 GHz	40 MB	AMD Radeon™ 8060S / 40 CUs	4nm	45W-120W	Zen 5	✓	50 TOPS	Intel Core Ultra Series 3 (10Xe/12Xe) Qualcomm Snapdragon X2 Elite Apple M5
	AMD Ryzen™ AI Max 385	8 / 16	Up to 5.0 GHz / 3.6 GHz	40 MB	AMD Radeon™ 8050S / 32 CUs	4nm	45W-120W	Zen 5	✓	50 TOPS	Intel Core Ultra Series 3 (10Xe) Apple M5



AMD Ryzen™ AI 400 Series Processors

'Gorgon Point'



Badge (systems with dgpu)	Badge (systems with igpu only)	Model	Cores / Threads	Frequency Boost¹/Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	AMD Ryzen™ AI	NPU TOPS³ (up to)	Compared To²
		AMD Ryzen™ AI 9 HX 475	12 / 24	Up to 5.2 GHz / 2.0 GHz	36 MB	AMD Radeon™ 890M	4nm	15-54W	Zen 5	✓	60 TOPS	Intel Core Ultra 9 386H Qualcomm Snapdragon X2 Elite Apple M5
		AMD Ryzen™ AI 9 HX 470	12 / 24	Up to 5.2 GHz / 2.0 GHz	36 MB	AMD Radeon™ 890M	4nm	15-54W	Zen 5	✓	55 TOPS	Intel Core Ultra 9 386H Qualcomm Snapdragon X2 Elite Apple M5
		AMD Ryzen™ AI 9 465	10 / 20	Up to 5.0 GHz / 2.0 GHz	34 MB	AMD Radeon™ 880M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 9 386H Qualcomm Snapdragon X2 Elite Apple M5
		AMD Ryzen™ AI 7 450	8 / 16	Up to 5.1 GHz / 2.0 GHz	24 MB	AMD Radeon™ 860M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 7 300 Series Qualcomm Snapdragon X2 Plus Apple M4 / M5
		AMD Ryzen™ AI 7 445	6 / 12	Up to 4.6 GHz / 2.0 GHz	14 MB	AMD Radeon™ 840M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 7 300 Series Qualcomm Snapdragon X2 Plus
		AMD Ryzen™ AI 5 435	6 / 12	Up to 4.5 GHz / 2.0 GHz	14 MB	AMD Radeon™ 840M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 5 300 Series Qualcomm Snapdragon X2 Plus
		AMD Ryzen™ AI 5 430	4 / 8	Up to 4.5 GHz / 2.0 GHz	12 MB	AMD Radeon™ 840M	4nm	15-28W	Zen 5	✓	50 TOPS	Intel Core Ultra 5 300 Series Qualcomm Snapdragon X2 Plus

AMD

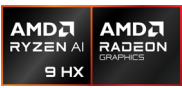
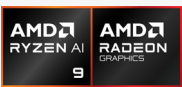
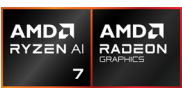
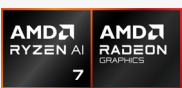
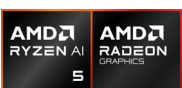
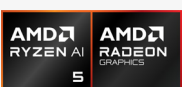
RYZEN AI

300 Series

AMD Ryzen™ AI 300 Series Processors

'Strix' and 'Krackan'

Copilot+PC

Badge (systems with dGPU)	Badge (systems with iGPU only)	Model	Cores / Threads	Frequency Boost¹/ Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	AMD Ryzen™ AI³	NPU TOPS³ (up to)	Compared To²
		AMD Ryzen™ AI 9 HX 375	12 / 24	Up to 5.1 GHz / 2.0 GHz	36 MB	AMD Radeon™ 890M	4nm	15-54W	Zen 5	✓	55 TOPS	Intel Core Ultra 9 288V Qualcomm Snapdragon X Elite Apple M4
		AMD Ryzen™ AI 9 HX 370	12 / 24	Up to 5.1 GHz / 2.0 GHz	36 MB	AMD Radeon™ 890M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 9 288V Qualcomm Snapdragon X Elite Apple M4
		AMD Ryzen™ AI 9 365	10 / 20	Up to 5.0 GHz / 2.0 GHz	34 MB	AMD Radeon™ 880M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 9 288V Qualcomm Snapdragon X Elite Apple M4
		AMD Ryzen™ AI 7 350	8 / 16	Up to 5.0 GHz / 2.0 GHz	24 MB	AMD Radeon™ 860M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 7 256V/258V Qualcomm Snapdragon X Plus Apple M4
		AMD Ryzen™ AI 7 345	6 / 12	Up to 4.6 GHz / 2.0 GHz	14 MB	AMD Radeon™ 840M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 7 256V/258V Qualcomm Snapdragon X Plus Apple M4
		AMD Ryzen™ AI 5 340	6 / 12	Up to 4.8 GHz / 2.0 GHz	22 MB	AMD Radeon™ 840M	4nm	15-54W	Zen 5	✓	50 TOPS	Intel Core Ultra 5 226V/228V Qualcomm Snapdragon X Plus Apple A18 Pro (Mac Neo)
		AMD Ryzen™ AI 5 330	4 / 8	Up to 4.5 GHz / 2.0 GHz	12 MB	AMD Radeon™ 820M	4nm	15-28W	Zen 5	✓	50 TOPS	Intel Core Ultra 5 226V Qualcomm Snapdragon X Apple A18 Pro (Mac Neo)



AMD Ryzen™ 200 Series Processors

'Hawk Point'

Badge (systems with dgpu)	Badge (systems with igpu only)	Model	Cores / Threads	Frequency Boost¹/Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	AMD Ryzen™ AI³	NPU TOPS³ (up to)	Compared To²
		AMD Ryzen™ 9 270	8 / 16	Up to 5.2 GHz / 4.0 GHz	24 MB	AMD Radeon™ 780M	4nm	35-54W	Zen 4	✓	16 TOPS	Intel Core Ultra 9 285H Apple M3
		AMD Ryzen™ 7 260	8 / 16	Up to 5.1 GHz / 3.8 GHz	24 MB	AMD Radeon™ 780M	4nm	35-54W	Zen 4	✓	16 TOPS	Intel Core Ultra 7 255H Intel Core 7 300 Series Apple M3
		AMD Ryzen™ 7 250	8 / 16	Up to 5.1 GHz / 3.3 GHz	24 MB	AMD Radeon™ 780M	4nm	15-30W	Zen 4	✓	16 TOPS	Intel Core Ultra 7 255U Intel Core 7 300 Series Apple M3
		AMD Ryzen™ 5 240	6 / 12	Up to 5.0 GHz / 4.3 GHz	22 MB	AMD Radeon™ 760M	4nm	35-54W	Zen 4	✓	16 TOPS	Intel Core Ultra 5 225H Intel Core 5 300 Series Apple A18 Pro (Mac Neo)
		AMD Ryzen™ 5 230	6 / 12	Up to 4.9 GHz / 3.5 GHz	22 MB	AMD Radeon™ 760M	4nm	15-30W	Zen 4	✓	16 TOPS	Intel Core Ultra 5 225U Intel Core 5 300 Series Apple A18 Pro (Mac Neo)
		AMD Ryzen™ 5 220	6 / 12	Up to 4.9 GHz / 3.2 GHz	22 MB	AMD Radeon™ 740M	4nm	15-30W	Zen 4	N/A	N/A	Intel Core Ultra 5 225U Intel Core 5 300 Series Apple A18 Pro (Mac Neo)
		AMD Ryzen™ 3 210	4 / 8	Up to 4.7 GHz / 3.0 GHz	12 MB	AMD Radeon™ 740M	4nm	15-30W	Zen 4	N/A	N/A	Intel Core 3 300 Series



AMD Ryzen™ 100 Series Processors
'Rembrandt-100'

Badge (systems with dgpu)	Badge (systems with igpu only)	Model	Cores / Threads	Frequency Boost¹/Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	Compared To²
		AMD Ryzen™ 7 170	8 / 16	Up to 4.75 GHz / 3.2 GHz	20 MB	AMD Radeon™ 680M	6nm	35-54W	Zen 3+	Intel Core 7 250H / 7 240H
		AMD Ryzen™ 7 160	8 / 16	Up to 4.75 GHz / 2.7 GHz	20 MB	AMD Radeon™ 680M	6nm	15-30W	Zen 3+	Intel Core 7 250U
		AMD Ryzen™ 5 150	6 / 12	Up to 4.55 GHz / 3.3 GHz	19 MB	AMD Radeon™ 660M	6nm	35-54W	Zen 3+	Intel Core 5 220H / 5 210H
		AMD Ryzen™ 5 130	6 / 12	Up to 4.55 GHz / 2.9 GHz	19 MB	AMD Radeon™ 660M	6nm	15-30W	Zen 3+	Intel Core 5 220U
		AMD Ryzen™ 3 110	4 / 8	Up to 4.3 GHz / 3.0 GHz	10 MB	AMD Radeon™ 660M	6nm	15-30W	Zen 3+	Intel Core 3 100U



AMD Ryzen™ and Athlon™ 10 Series Processors

'Mendocino-10'

Badge (for all systems)	Model	Cores /Threads	Frequency Boost ¹ /Base	Cache L2 + L3	Graphics	Node	TDP	Architecture	Compared To ²
	AMD Ryzen™ 5 40	4/8	4.3 GHz / 2.8 GHz	6MB	AMD Radeon™ 610M Graphics	6nm	15W	Zen 2	Intel Core 3 N355
	AMD Ryzen™ 3 30	4/8	4.1 GHz / 2.4 GHz	6MB	AMD Radeon™ 610M Graphics	6nm	15W	Zen 2	Intel Core i3-N305 Intel Core 3 N350/355
	AMD Athlon™ Gold 20	2/4	3.7 GHz / 2.4 GHz	5MB	AMD Radeon™ 610M Graphics	6nm	15W	Zen 2	Intel N250
	AMD Athlon™ Silver 10	2/2	3.5 GHz / 2.4 GHz	3MB	AMD Radeon™ 610M Graphics	6nm	15W	Zen 2	Intel N150

1. Max boost for AMD Ryzen and Athlon 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. GD-150
2. This chart illustrates competitive product positioning, is not necessarily an indication of relative performance and may not be to scale for any performance metric. GD-75
3. Trillions of Operations per Second (TOPS) for an AMD Ryzen processor is the maximum number of operations per second that can be executed in an optimal scenario and may not be typical. TOPS may vary based on several factors, including the specific system configuration, AI model, and software version. GD-243.

