

Intel® Core™, Intel® Core Ultra, and Intel Processor Comparison Chart for Laptops

Click the link in the processor number column to find more features



Processor Number	Intel Product Brand	Generation	Performance Tier	Year Launched	# Cores	# of Performance Cores	# of Efficient Cores	# of Low Power Efficient Cores	# Threads	Max Turbo Frequency	Cache	Processor Base Power (previously known as TDP)	Minimum Assured Power (previously known as Configurable TDP-down)	Max Memory Size (dependent on memory type) (GB) ¹	Memory Types ²	Processor Graphics	Graphics Max Dynamic Frequency	Max Resolution for HDMI, Max Resolution for DP, Max Resolution for eDP - Integrated Flat Panel	Intel® vPro™ Eligibility	Instruction Set Extensions	
388H	Intel® Core™ Ultra	Series 3	X9	2026	16	4	8	4	16	5.1 GHz ⁴	18 MB	25 W	15 W	96 (LP5)/s	Up to LPDDR5x 9600 MT/s	Intel® Arc™ B390 GPU	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2	
386H	Intel® Core™ Ultra	Series 3		9	2026	16	4	8	4	16	4.9 GHz ⁴	18 MB	25 W	15 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 8533 MT/s Up to DDR5 7200 MT/s	Intel® Graphics	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
368H	Intel® Core™ Ultra	Series 3	X7	2026	16	4	8	4	16	5.0 GHz ⁴	18 MB	25 W	15 W	96 (LP5)/s	Up to LPDDR5x 9600 MT/s	Intel® Arc™ B390 GPU	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2	
366H	Intel® Core™ Ultra	Series 3		7	2026	16	4	8	4	16	4.8 GHz ⁴	18 MB	25 W	15 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 8533 MT/s Up to DDR5 7200 MT/s	Intel® Graphics	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
365	Intel® Core™ Ultra	Series 3		7	2026	8	4	0	4	8	4.8 GHz ⁴	12 MB	25 W	12 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 6800 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
358H	Intel® Core™ Ultra	Series 3	X7	2026	16	4	8	4	16	4.8 GHz ⁴	18 MB	25 W	15 W	96 (LP5)/s	Up to LPDDR5x 9600 MT/s	Intel® Arc™ B390 GPU	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2	
356H	Intel® Core™ Ultra	Series 3		7	2026	16	4	8	4	16	4.7 GHz ⁴	18 MB	25 W	15 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 8533 MT/s Up to DDR5 7200 MT/s	Intel® Graphics	2.45 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
355	Intel® Core™ Ultra	Series 3		7	2026	8	4	0	4	8	4.7 GHz ⁴	12 MB	25 W	12 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 6800 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.5 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
338H	Intel® Core™ Ultra	Series 3		5	2026	12	4	8	4	12	4.7 GHz ⁴	18 MB	25 W	15 W	96 (LP5)/s	Up to LPDDR5x 8533 MT/s	Intel® Arc™ B370 GPU	2.4 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
336H	Intel® Core™ Ultra	Series 3		5	2026	12	4	8	4	12	4.6 GHz ⁴	18 MB	25 W	15 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 8533 MT/s Up to DDR5 7200 MT/s	Intel® Graphics	2.3 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
335	Intel® Core™ Ultra	Series 3		5	2026	8	4	0	4	8	4.6 GHz ⁴	12 MB	25 W	12 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 6800 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.45 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
325	Intel® Core™ Ultra	Series 3		5	2026	8	4	0	4	8	4.5 GHz ⁴	12 MB	25 W	12 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 6800 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.45 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
332	Intel® Core™ Ultra	Series 3		5	2026	6	4	0	4	6	4.4 GHz ⁴	12 MB	25 W	12 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 6800 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.3 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
322	Intel® Core™ Ultra	Series 3		5	2026	6	4	0	4	6	4.4 GHz ⁴	12 MB	25 W	12 W	128 (DDR5) 96 (LP5)/s	Up to LPDDR5x 6800 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.3 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
285HX	Intel® Core™ Ultra	Series 2		9	2025	24	8	16	N/A	24	5.5 GHz ⁴	36 MB	55 W	45 W	192 GB	Up to DDR5 6400 MT/s	Intel® Graphics	2 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
275HX	Intel® Core™ Ultra	Series 2		9	2025	24	8	16	N/A	24	5.4 GHz ⁴	36 MB	55 W	45 W	192 GB	Up to DDR5 6400 MT/s	Intel® Graphics	1.9 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
265HX	Intel® Core™ Ultra	Series 2		7	2025	20	8	12	N/A	20	5.3 GHz ⁴	30 MB	55 W	45 W	192 GB	Up to DDR5 6400 MT/s	Intel® Graphics	1.9 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
255HX	Intel® Core™ Ultra	Series 2		7	2025	20	8	12	N/A	20	5.2 GHz ⁴	30 MB	55 W	45 W	192 GB	Up to DDR5 6400 MT/s	Intel® Graphics	1.85 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
245HX	Intel® Core™ Ultra	Series 2		5	2025	14	6	8	N/A	14	5.1 GHz ⁴	24 MB	55 W	45 W	192 GB	Up to DDR5 6400 MT/s	Intel® Graphics	1.9 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
235HX	Intel® Core™ Ultra	Series 2		5	2025	14	6	8	N/A	14	5.1 GHz ⁴	24 MB	55 W	45 W	192 GB	Up to DDR5 6400 MT/s	Intel® Graphics	1.8 GHz	HDMI: 4K @ 60Hz (HDMI 2.1 TMD5) 8K @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
285H	Intel® Core™ Ultra	Series 2		9	2025	16	6	8	2	16	5.4 GHz ⁴	24 MB	45 W	35 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Arc™ 140T GPU	2.35 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
265H	Intel® Core™ Ultra	Series 2		7	2025	16	6	8	2	16	5.3 GHz ⁴	24 MB	28 W	20 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Arc™ 140T GPU	2.3 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
255H	Intel® Core™ Ultra	Series 2		7	2025	16	6	8	2	16	5.1 GHz ⁴	24 MB	28 W	20 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Arc™ 140T GPU	2.25 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
235H	Intel® Core™ Ultra	Series 2		5	2025	14	4	8	2	14	5.0 GHz ⁴	18 MB	28 W	20 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Arc™ 140T GPU	2.25 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
225H	Intel® Core™ Ultra	Series 2		5	2025	14	4	8	2	14	4.9 GHz ⁴	18 MB	28 W	20 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Arc™ 130T GPU	2.2 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
265U	Intel® Core™ Ultra	Series 2		7	2025	12	2	8	2	14	5.3 GHz ⁴	12 MB	15 W	12 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.1 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
255U	Intel® Core™ Ultra	Series 2		7	2025	12	2	8	2	14	5.2 GHz ⁴	12 MB	15 W	12 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.1 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
235U	Intel® Core™ Ultra	Series 2		5	2025	12	2	8	2	14	4.9 GHz ⁴	12 MB	15 W	12 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2.05 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	Yes	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
225U	Intel® Core™ Ultra	Series 2		5	2025	12	2	8	2	14	4.8 GHz ⁴	12 MB	15 W	12 W	128 GB	Up to LPDDR5x 8400 MT/s Up to DDR5 6400 MT/s	Intel® Graphics	2 GHz	HDMI: 4096 x 2304 @ 60Hz (HDMI 2.1 TMD5) 7680 x 4320 @ 60Hz (HDMI2.1 FRL) DP: 7680 x 4320 @ 60Hz eDP: 3840x2400 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
270H	Intel® Core™	Series 2		9	2024	14	6	8	N/A	20	5.8 GHz ⁴	24 MB	45 W	35 W	96 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s Up to LPDDR5x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Graphics	1.55 GHz	HDMI: 4096 x 2304 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 4096 x 2304 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
260H	Intel® Core™	Series 2		7	2024	14	6	8	N/A	20	5.4 GHz ⁴	24 MB	45 W	35 W	96 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s Up to LPDDR5x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Graphics	1.55 GHz	HDMI: 4096 x 2304 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 4096 x 2304 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
240H	Intel® Core™	Series 2		7	2024	10	6	4	N/A	16	5.2 GHz ⁴	24 MB	45 W	35 W	96 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s Up to LPDDR5x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Graphics	1.55 GHz	HDMI: 4096 x 2304 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 4096 x 2304 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
230H	Intel® Core™	Series 2		5	2024	12	4	8	N/A	16	4.9 GHz ⁴	18 MB	45 W	35 W	96 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s Up to LPDDR5x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Graphics	1.5 GHz	HDMI: 4096 x 2304 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 4096 x 2304 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
210H	Intel® Core™	Series 2		5	2024	8	4	4	N/A	12	4.8 GHz ⁴	12 MB	45 W	35 W	96 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Graphics	1.4 GHz	HDMI: 4096 x 2304 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 4096 x 2304 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2
250U	Intel® Core™	Series 2		7	2025	10	2	8	N/A	12	5.4 GHz ⁴	12 MB	15 W	12 W	96 GB	Up to DDR5 5200 MT/s Up to LPDDR5x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Graphics	1.3 GHz	HDMI: 4096 x 2304 @ 60Hz DP: 7680 x 4320 @ 60Hz eDP: 4096 x 2304 @ 120Hz	No	Intel® SSE4.1 Intel® SSE4.2 Intel® AVX2

¹Intel® Turbo Boost Technology 2.0 Frequency

²Intel® Turbo Boost Max Technology 3.0 Frequency

³Intel® Thermal Velocity Boost Frequency

⁴Max Turbo Frequency only applies on performance-cores for 12th and higher generations of Intel® Core™ Processors

⁵Type and speed of memory can vary between laptops

⁶This Processor is available also without iPU (Intel® Image Processing Unit) and no LPDDR5

⁷This Processor is available also without iPU (Intel® Image Processing Unit) and no minimum assured power set

