Intel® Core™ Laptop Processors Comparison Chart

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

Processor Number	Intel® Core™ Generation	Brand Identifier	Year Launched	Lithography	# cores	# of Performance-cores	# of 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)	Memory Types[9]	Processor Graphics	Graphics Max Dynamic Frequency	Max Resolution for HDMI, Max Resolution for DP, Max Resolution for (eDP - Integrated Flat Panel)	DirectX® Support	OpenGL® Support	Intel® vPro™ Eligibility	Instruction Set Extensions
i9-14900HX	14th	i9	2024	Intel 7	24	8	16	32	5.80 GHz[3,4]	36 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 14th Gen	1.65 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-14700HX	14th	i7	2024	Intel 7	20	8	12	28	5.50 GHz[3,4]	33 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 14th Gen	1.60 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-14650HX	14th	i7	2024	Intel 7	16	8	8	24	5.20 GHz[3,4]	30 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 14th Gen	1.60 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-14500HX	14th	i5	2024	Intel 7	14	6	8	20	4.90 GHz[4]	24 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 14th Gen	1.55 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-14450HX	14th	i5	2024	Intel 7	10	6	4	16	4.80 GHz[4]	20 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 14th Gen	1.50 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-13980HX	13th	i9	2023	Intel 7	24	8	16	32	5.60 GHz[3,4]	36 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.65 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-13950HX	13th	i9	2023	Intel 7	24	8	16	32	5.50 GHz[2,4]	36 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.65 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-13905H	13th	i9	2023	Intel 7	14	6	8	20	5.40 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-13900HX	13th	i9	2023	Intel 7	24	8	16	32	5.40 GHz[2,4]	36 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.65 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-13900HK	13th	i9	2023	Intel 7	14	6	8	20	5.40 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-13900H	13th	i9	2023	Intel 7	14	6	8	20	5.40 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13850HX	13th	i7	2023	Intel 7	20	8	12	28	5.30 GHz[2,4]	30 MB	55 W	45 W	192 GB	Up to DDR5 5600 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.60 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13800H	13th	i7	2023	Intel 7	14	6	8	20	5.20 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1370P	13th	i7	2023	Intel 7	14	6	8	20	5.20 GHz[2,4]	24 MB	28 W	20 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13705H	13th	i7	2023	Intel 7	14	6	8	20	5.00 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13700HX	13th	i7	2023	Intel 7	16	8	8	24	5.00 GHz[2,4]	30 MB	55 W	45 W	192 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.55 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13700H	13th	i7	2023	Intel 7	14	6	8	20	5.00 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1365U	13th	i7	2023	Intel 7	10	2	8	12	5.20 GHz[3,4]	12 MB	15 W	12 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.30 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13650HX	13th	i7	2023	Intel 7	14	6	8	20	4.90 GHz[2,4]	24 MB	55 W	45 W	192 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.55 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-13620H	13th	i7	2023	Intel 7	10	6	4	16	4.90 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 13th Gen	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1360P	13th	i7	2023	Intel 7	12	4	8	16	5.00 GHz[2,4]	18 MB	28 W	20 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1355U	13th	i7	2023	Intel 7	10	2	8	12	5.00 GHz[3,4]	12 MB	15 W	12 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.30 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13600HX	13th	i5	2023	Intel 7	14	6	8	20	4.80 GHz[2,4]	24 MB	55 W	45 W	192 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.50 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13600H	13th	i5	2023	Intel 7	12	4	8	16	4.80 GHz[2,4]	18 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1350P	13th	i5	2023	Intel 7	12	4	8	16	4.70 GHz[3,4]	12 MB	28 W	20 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.50 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13505H	13th	i5	2023	Intel 7	12	4	8	16	4.70 GHz[2,4]	18 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.45 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13500HX	13th	i5	2023	Intel 7	14	6	8	20	4.70 GHz[2,4]	24 MB	55 W	45 W	192 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.50 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13500H[7]	13th	i5	2023	Intel 7	12	4	8	16	4.70 GHz[2,4]	18 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.45 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1345U	13th	i5	2023	Intel 7	10	2	8	12	4.70 GHz[3,4]	12 MB	15 W	12 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13450HX	13th	i5	2023	Intel 7	10	6	4	16	4.60 GHz[2,4]	20 MB	55 W	45 W	192 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 13th Gen	1.45 GHz	**HDMI:** 4096 x 2160 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 5120 x 3200 @ 120Hz‡‡	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-13420H	13th	i5	2023	Intel 7	8	4	4	12	4.60 GHz[2,4]	12 MB	45 W	35 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 13th Gen	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1340P	13th	i5	2023	Intel 7	12	4	8	16	4.60 GHz[3,4]	12 MB	28 W	20 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.45 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1335U	13th	i5	2023	Intel 7	10	2	8	12	4.60 GHz[3,4]	12 MB	15 W	12 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 6400 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

i5-1334U	13th	i5	2023	Intel 7	10	2	8	12	4.60 GHz[1,4]	12 MB	15 W	N/A	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-1315U[6]	13th	i3	2023	Intel 7	6	2	4	8	4.50 GHz[1,4]	10 MB	15 W	12 W	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 13th Gen	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-1305U	13th	i3	2023	Intel 7	5	1	4	6	4.50 GHz[1,4]	10 MB	15 W	N/A	64 GB	Up to DDR5 5200 MT/s Up to DDR4 3200 MT/s Up to LPDDR5/x 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 13th Gen	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320 @ 60Hz **eDP:** 4096 x 2304 @ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-12950HX	12th	i9	2022	Intel 7	16	8	8	24	5.00 GHz[2,4]	30 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.55 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-12900HK	12th	i9	2022	Intel 7	14	6	8	20	5.00 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.45 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-12900H	12th	i9	2022	Intel 7	14	6	8	20	5.00 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-12850HX	12th	i7	2022	Intel 7	16	8	8	24	4.80 GHz[2,4]	25 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-12800H	12th	i7	2022	Intel 7	14	6	8	20	4.80 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1270P	12th	i7	2022	Intel 7	12	4	8	16	4.80 GHz[2,4]	18 MB	28 W	20 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-12700H	12th	i7	2022	Intel 7	14	6	8	20	4.70 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1265U	12th	i7	2022	Intel 7	10	2	8	12	4.80 GHz[1,4]	12 MB	15 W	12 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-12650HX	12th	i7	2022	Intel 7	14	6	8	20	4.70 GHz[2,4]	24 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.45 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-12650H	12th	i7	2022	Intel 7	10	6	4	16	4.70 GHz[2,4]	24 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD Graphics for 12th Gen	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1260U	12th	i7	2022	Intel 7	10	2	8	12	4.70 GHz[1,4]	12 MB	9 W	N/A	64 GB	Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/	Intel® Iris® Xe Graphics eligible	950 MHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1260P	12th	i7	2022	Intel 7	12	4	8	16	4.70 GHz[2,4]	18 MB	28 W	20 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1255U	12th	i7	2022	Intel 7	10	2	8	12	4.70 GHz[4]	12 MB	15 W	12 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.25 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1250U	12th	i7	2022	Intel 7	10	2	8	12	4.70 GHz[1,4]	12 MB	9 W	N/A	64 GB	Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	950 MHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-12600H	12th	i5	2022	Intel 7	12	4	8	16	4.50 GHz[1,4]	18 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1250P	12th	i5	2022	Intel 7	12	4	8	16	4.40 GHz[1,4]	12 MB	28 W	20 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-12500H	12th	i5	2022	Intel 7	12	4	8	16	4.50 GHz[1,4]	18 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.30 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1245U	12th	i5	2022	Intel 7	10	2	8	12	4.40 GHz[1,4]	12 MB	15 W	12 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.20 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-12450HX	12th	i5	2022	Intel 7	8	4	4	12	4.40 GHz[2,4]	12 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.30 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-12450H	12th	i5	2022	Intel 7	8	4	4	12	4.40 GHz[1,4]	12 MB	45 W	35 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD Graphics for 12th Gen	1.20 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1240U	12th	i5	2022	Intel 7	10	2	8	12	4.40 GHz[1,4]	12 MB	9 W	N/A	64 GB	Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	900 MHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1235U	12th	i5	2022	Intel 7	10	2	8	12	4.40 GHz[1,4]	12 MB	15 W	N/A	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.20 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1230U	12th	i5	2022	Intel 7	10	2	8	12	4.40 GHz[1,4]	12 MB	9 W	N/A	64 GB	Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	850 MHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-1220P	12th	i3	2022	Intel 7	10	2	8	12	4.40 GHz[1,4]	12 MB	28 W	20 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 12th Gen	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-1215U	12th	i3	2022	Intel 7	6	2	4	8	4.40 GHz[1,4]	10 MB	15 W	N/A	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 12th Gen	1.10 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-1210U	12th	i3	2022	Intel 7	6	2	4	8	4.40 GHz[1,4]	10 MB	9 W	N/A	64 GB	Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® UHD for 12th Gen	850 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-12900HX	12th	i9	2022	Intel 7	16	8	8	24	5.00 GHz[2,4]	30 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.55 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1280P	12th	i7	2022	Intel 7	14	6	8	20	4.80 GHz[2,4]	24 MB	28 W	20 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.45 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-12800HX	12th	i7	2022	Intel 7	16	8	8	24	4.80 GHz[2,4]	25 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-12600HX	12th	i5	2022	Intel 7	12	4	8	16	4.60 GHz[2,4]	18 MB	55 W	45 W	128 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s	Intel® UHD for 12th Gen	1.35 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 5120 x 3200@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1240P	12th	i5	2022	Intel 7	12	4	8	16	4.40 GHz[1,4]	12 MB	28 W	20 W	64 GB	Up to DDR5 4800 MT/s Up to DDR4 3200 MT/s Up to LPDDR5 5200 MT/s Up to LPDDR4x 4267 MT/s	Intel® Iris® Xe Graphics eligible	1.30 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@60Hz **eDP:** 4096 x 2304@ 120Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1195G7	11th	i9	2021	10 nm SuperFin	4	N/A	N/A	8	5.00 GHz[2]	12 MB	28 W	12 W	64 GB	DDR4-3200, LPDDR4x-4267	Intel® Iris® Xe Graphics eligible	1.40 GHz	**HDMI:** 4096 x 2304 @ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-11980HK	11th	i9	2021	10 nm SuperFin	8	N/A	N/A	16	5.00 GHz[2]	24 MB	65 W	45 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i9-11950H	11th	i9	2021	10 nm SuperFin	8	N/A	N/A	16	5.00 GHz[2]	24 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512

i9-11900H	11th	i9	2021	10 nm SuperFin	8	N/A	N/A	16	4.90 GHz[2]	24 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-11850H	11th	i7	2021	10 nm SuperFin	8	N/A	N/A	16	4.80 GHz[1]	24 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-1180G7	11th	i7	2021	10 nm SuperFin	4	N/A	N/A	8	4.60 GHz[1]	12 MB	15 W	7 W	32 GB	Up to [LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-11800H	11th	i7	2021	10 nm SuperFin	8	N/A	N/A	16	4.60 GHz[1]	24 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-11600H	11th	i7	2021	10 nm SuperFin	6	N/A	N/A	12	4.60 GHz[1]	18 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-11375H	11th	i7	2021	10 nm SuperFin	4	N/A	N/A	8	5.00 GHz[2]	12 MB	35 W	28 W	64 GB	Up to [DDR4-3200, LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.35 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-11370H	11th	i7	2021	10 nm SuperFin	4	N/A	N/A	8	4.80 GHz[1]	12 MB	35 W	28 W	64 GB	DDR4-3200, LPDDR4x-4267	Intel® Iris® Xe Graphics	1.35 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1155G7	11th	i5	2021	10 nm SuperFin	4	N/A	N/A	8	4.50 GHz[1]	8 MB	28 W	12 W	64 GB	Up to DDR4-3200, LPDDR4x-4267	Intel® Iris® Xe Graphics	1.35 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-11500H	11th	i5	2021	10 nm SuperFin	6	N/A	N/A	12	4.60 GHz[1]	12 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1145G7	11th	i5	2021	10 nm SuperFin	4	N/A	N/A	8	4.40 GHz[1]	8 MB	28 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.30 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1140G7	11th	i5	2021	10 nm SuperFin	4	N/A	N/A	8	4.20 GHz[1]	8 MB	28 W	7 W	32 GB	Up to [LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-11400H	11th	i5	2021	10 nm SuperFin	6	N/A	N/A	12	4.50 GHz[1]	12 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.45 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-11320H	11th	i5	2021	10 nm SuperFin	4	N/A	N/A	8	4.50 GHz[1]	8 MB	35 W	28 W	64 GB	Up to DDR4-3200, LPDDR4x-4267	Intel® Iris® Xe Graphics	1.35 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-11300H	11th	i5	2021	10 nm SuperFin	4	N/A	N/A	8	4.40 GHz[1]	8 MB	35 W	28 W	64 GB	Up to [DDR4-3200, LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.30 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-11260H	11th	i5	2021	10 nm SuperFin	6	N/A	N/A	12	4.40 GHz[1]	12 MB	45 W	35 W	128 GB	Up to 3200 MT/s	Intel® UHD Graphics for 11th Gen	1.40 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i3-1125G4	11th	i3	2021	10 nm SuperFin	4	N/A	N/A	8	3.70 GHz[1]	8 MB	28 W	12 W	64 GB	DDR4-3200, LPDDR4x-3733	Intel® UHD Graphics for 11th Gen	1.25 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i3-1120G4	11th	i3	2021	10 nm SuperFin	4	N/A	N/A	8	3.70 GHz[1]	8 MB	N/A	7 W	32 GB	LPDDR4x-4267	Intel® UHD Graphics for 11th Gen	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i3-10100Y	10th	i3	2021	14 nm	8	N/A	N/A	16	3.90 GHz[1]	4 MB	5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® UHD Graphics 615	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1185G7	11th	i7	2020	10 nm SuperFin	4	N/A	N/A	8	4.80 GHz[1]	12 MB	28 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.35 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-1165G7	11th	i7	2020	10 nm SuperFin	4	N/A	N/A	8	4.70 GHz[1]	12 MB	28 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.30 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-1160G7	11th	i7	2020	10 nm SuperFin	4	N/A	N/A	8	4.40 GHz[1]	12 MB	15 W	7 W	32 GB	Up to [LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1135G7	11th	i5	2020	10 nm SuperFin	4	N/A	N/A	8	4.20 GHz[1]	8 MB	28 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.30 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1130G7	11th	i5	2020	10 nm SuperFin	4	N/A	N/A	8	4.00 GHz[1]	8 MB	15 W	7 W	32 GB	Up to [LPDDR4x-4267]	Intel® Iris® Xe Graphics	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i3-1115G4	11th	i3	2020	10 nm SuperFin	2	N/A	N/A	4	4.10 GHz[1]	6 MB	28 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4x-3733]	Intel® UHD Graphics	1.25 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i3-1110G4	11th	i3	2020	10 nm SuperFin	2	N/A	N/A	4	3.90 GHz[1]	6 MB	15 W	7 W	32 GB	Up to [LPDDR4x-4267]	Intel® UHD Graphics	1.10 GHz	**HDMI:** 4096 x 2304@ 60Hz **DP:** 7680 x 4320@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12.1	4.6	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i9-10980HK	10th	i9	2020	14 nm	8	N/A	N/A	16	5.30 GHz[3]	16 MB	45 W	N/A	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.25 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-10885H	10th	i9	2020	14 nm	8	N/A	N/A	16	5.30 GHz[3]	16 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.25 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-10875H	10th	i7	2020	14 nm	8	N/A	N/A	16	5.10 GHz[2]	16 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-10870H	10th	i7	2020	14 nm	8	N/A	N/A	16	5.00 GHz[3]	16 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-10850H	10th	i7	2020	14 nm	6	N/A	N/A	12	5.10 GHz[3]	12 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-10810U	10th	i7	2020	14 nm	6	N/A	N/A	12	4.90 GHz[1]	12 MB	15 W	12.5 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-10750H	10th	i7	2020	14 nm	6	N/A	N/A	12	5.00 GHz[3]	12 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1068NG7	10th	i7	2020	10 nm	4	N/A	N/A	8	4.10 GHz[1]	8 MB	28 W	N/A	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® Iris® Plus Graphics	1.10 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-10610U	10th	i7	2020	14 nm	4	N/A	N/A	8	4.90 GHz[1]	8 MB	15 W	10 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

i5-10500H	10th	i5	2020	14 nm	6	N/A	N/A	12	4.50 GHz[2]	12 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-10400H	10th	i5	2020	14 nm	4	N/A	N/A	8	4.60 GHz[1]	8 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1038NG7	10th	i5	2020	10 nm	4	N/A	N/A	8	3.80 GHz[1]	6 MB	28 W	N/A	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® Iris® Plus Graphics	1.05 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-10310U	10th	i5	2020	14 nm	4	N/A	N/A	8	4.40 GHz[1]	6 MB	15 W	10 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-10300H	10th	i5	2020	14 nm	4	N/A	N/A	8	4.50 GHz[1]	8 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-10200H	10th	i5	2020	14 nm	4	N/A	N/A	8	4.10 GHz[1]	8 MB	45 W	35 W	128 GB	Up to [DDR4-2933]	Intel® UHD Graphics	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-9980HK	9th	i9	2019	14 nm	8	N/A	N/A	16	5.00 GHz[1]	16 MB	45 W	N/A	128 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.25 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-9880H	9th	i9	2019	14 nm	8	N/A	N/A	16	4.80 GHz[1]	16 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-9850H	9th	i7	2019	14 nm	6	N/A	N/A	12	4.60 GHz[1]	12 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-9750HF	9th	i7	2019	14 nm	6	N/A	N/A	12	4.50 GHz[1]	12 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	N/A	N/A	N/A	N/A	N/A	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-9750H	9th	i7	2019	14 nm	6	N/A	N/A	12	4.50 GHz[1]	12 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-9400H	9th	i5	2019	14 nm	4	N/A	N/A	8	4.30 GHz[1]	8 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-9300HF	9th	i5	2019	14 nm	4	N/A	N/A	8	4.10 GHz[1]	8 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	N/A	N/A	N/A	N/A	N/A	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-9300H	9th	i5	2019	14 nm	4	N/A	N/A	8	4.10 GHz[1]	8 MB	45 W	35 W	128 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8665U	8th	i7	2019	14 nm	4	N/A	N/A	8	4.80 GHz[1]	8 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@ 24Hz **DP:** 4096 x 2304@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8569U	8th	i7	2019	14 nm	4	N/A	N/A	8	4.70 GHz[1]	8 MB	28 W	N/A	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 655	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8557U	8th	i7	2019	14 nm	4	N/A	N/A	8	4.50 GHz[1]	8 MB	15 W	N/A	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 645	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8500Y	8th	i7	2019	14 nm	2	N/A	N/A	4	4.20 GHz[1]	4 MB	5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® UHD Graphics 615	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8365U	8th	i5	2019	14 nm	4	N/A	N/A	8	4.10 GHz[1]	6 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8310Y	8th	i5	2019	14 nm	2	N/A	N/A	4	3.90 GHz[1]	4 MB	7 W	N/A	16 GB	Up to [LPDDR3-2133, DDR3L-1600]	Intel® UHD Graphics 617	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8279U	8th	i5	2019	14 nm	4	N/A	N/A	8	4.10 GHz[1]	6 MB	28 W	N/A	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 655	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8260U	8th	i5	2019	14 nm	4	N/A	N/A	8	3.90 GHz[1]	6 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8257U	8th	i5	2019	14 nm	4	N/A	N/A	8	3.90 GHz[1]	6 MB	15 W	N/A	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 645	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8210Y	8th	i5	2019	14 nm	2	N/A	N/A	4	3.60 GHz[1]	4 MB	7 W	N/A	16 GB	Up to [LPDDR3-2133, DDR3L-1600]	Intel® UHD Graphics 617	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-8140U	8th	i3	2019	14 nm	2	N/A	N/A	4	3.90 GHz[1]	4 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-10710U	10th	i7	2019	14 nm	6	N/A	N/A	12	4.70 GHz[1]	12 MB	15 W	12.5 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@ 24Hz **DP:** 4096 x 2304@ 60Hz **eDP:** 4096 x 2304@ 60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-1065G7	10th	i7	2019	10 nm	4	N/A	N/A	8	3.90 GHz[1]	8 MB	15 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® Iris® Plus Graphics	1.10 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-1060G7	10th	i7	2019	10 nm	4	N/A	N/A	8	3.80 GHz[1]	8 MB	9 W	N/A	32 GB	Up to [LPDDR4-3733]	Intel® Iris® Plus Graphics	1.10 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i7-10510Y	10th	i7	2019	14 nm	4	N/A	N/A	8	4.50 GHz[1]	8 MB	7 W	4.5 W	16 GB	Up to [LPDDR3-2133, DDR3L-1600]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	Yes	Intel® SSE4.1
i7-10510U	10th	i7	2019	14 nm	4	N/A	N/A	8	4.90 GHz[1]	8 MB	15 W	10 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-1035G7	10th	i5	2019	10 nm	4	N/A	N/A	8	3.70 GHz[1]	6 MB	15 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® Iris® Plus Graphics	1.05 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1035G4	10th	i5	2019	10 nm	4	N/A	N/A	8	3.70 GHz[1]	6 MB	15 W	12 W	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® Iris® Plus Graphics	1.05 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1035G1	10th	i5	2019	10 nm	4	N/A	N/A	8	3.60 GHz[1]	6 MB	15 W	13 W	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® UHD Graphics	1.05 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-10310Y	10th	i5	2019	14 nm	4	N/A	N/A	8	4.10 GHz[1]	6 MB	7 W	5.5 W	16 GB	Up to [LPDDR3-2133, DDR3L-1600]	Intel® UHD Graphics	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	Yes	Intel® SSE4.1
i5-1030G7	10th	i5	2019	10 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	9 W	N/A	32 GB	Up to [LPDDR4-3733]	Intel® Iris® Plus Graphics	1.05 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-1030G4	10th	i5	2019	10 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	9 W	N/A	32 GB	Up to [LPDDR4-3733]	Intel® Iris® Plus Graphics	1.05 GHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i5-10210Y	10th	i5	2019	14 nm	4	N/A	N/A	8	4.00 GHz[1]	6 MB	7 W	5.5 W	16 GB	Up to [LPDDR3-2133, DDR3L-1600]	Intel® UHD Graphics	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1

i5-10210U	10th	i5	2019	14 nm	4	N/A	N/A	8	4.20 GHz[1]	6 MB	15 W	10 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-10110Y	10th	i3	2019	14 nm	2	N/A	N/A	4	4.00 GHz[1]	4 MB	7 W	5.5 W	16 GB	Up to [LPDDR3-2133, DDR3L-1600]	Intel® UHD Graphics	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1
i3-10110U	10th	i3	2019	14 nm	2	N/A	N/A	4	4.10 GHz[1]	4 MB	15 W	10 W	64 GB	Up to [DDR4-2666, LPDDR3-2133, LPDDR4-2933]	Intel® UHD Graphics	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-1005G1	10th	i3	2019	10 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	15 W	13 W	64 GB	Up to [DDR4-3200, LPDDR4-3733]	Intel® UHD Graphics	900 MHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
i3-1000G4	10th	i3	2019	10 nm	2	N/A	N/A	4	3.20 GHz[1]	4 MB	9 W	8 W	32 GB	Up to [LPDDR4-3733]	Intel® Iris® Plus Graphics	900 MHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2,
i3-1000G1	10th	i3	2019	10 nm	2	N/A	N/A	4	3.20 GHz[1]	4 MB	9 W	8 W	32 GB	Up to [LPDDR4-3733]	Intel® UHD Graphics	900 MHz	**HDMI:** 4096 x 2304@60Hz **DP:** 5120 x 3200@60Hz **eDP:** 5120 x 3200@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2, Intel® AVX-512
m3-8100Y	8th	M	2018	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	5 W	4.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® UHD Graphics 615	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i9-8950HK	8th	i9	2018	14 nm	6	N/A	N/A	12	4.80 GHz[1]	12 MB	45 W	N/A	64 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8850H	8th	i7	2018	14 nm	6	N/A	N/A	12	4.30 GHz[1]	9 MB	45 W	35 W	64 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8750H	8th	i7	2018	14 nm	6	N/A	N/A	12	4.10 GHz[1]	9 MB	45 W	35 W	64 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8700B	8th	i7	2018	14 nm	6	N/A	N/A	12	4.60 GHz[1]	12 MB	65 W	N/A	64 GB	Up to [DDR4-2666]	Intel® UHD Graphics 630	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8565U	8th	i7	2018	14 nm	4	N/A	N/A	8	4.60 GHz[1]	8 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8559U	8th	i7	2018	14 nm	4	N/A	N/A	8	4.50 GHz[1]	8 MB	28 W	20 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 655	1.20 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8500B	8th	i5	2018	14 nm	6	N/A	N/A	6	4.10 GHz[1]	9 MB	65 W	N/A	64 GB	Up to [DDR4-2666]	Intel® UHD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8400H	8th	i5	2018	14 nm	4	N/A	N/A	8	4.20 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8400B	8th	i5	2018	14 nm	6	N/A	N/A	6	4.00 GHz[1]	9 MB	65 W	N/A	64 GB	Up to [DDR4-2666]	Intel® UHD Graphics 630	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8300H	8th	i5	2018	14 nm	4	N/A	N/A	8	4.00 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2666, LPDDR3-2133]	Intel® UHD Graphics 630	1.00 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8269U	8th	i5	2018	14 nm	4	N/A	N/A	8	4.20 GHz[1]	6 MB	28 W	20 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 655	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8265U	8th	i5	2018	14 nm	4	N/A	N/A	8	3.90 GHz[1]	6 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8259U	8th	i5	2018	14 nm	4	N/A	N/A	8	3.80 GHz[1]	6 MB	28 W	20 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 655	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8200Y	8th	i5	2018	14 nm	2	N/A	N/A	4	3.90 GHz[1]	4 MB	5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® UHD Graphics 615	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-8145U	8th	i3	2018	14 nm	2	N/A	N/A	4	3.90 GHz[1]	4 MB	15 W	10 W	64 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-8130U	8th	i3	2018	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	15 W	10 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.4	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-8109U	8th	i3	2018	14 nm	2	N/A	N/A	4	3.60 GHz[1]	4 MB	28 W	20 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® Iris® Plus Graphics 655	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-8100H	8th	i3	2018	14 nm	4	N/A	N/A	4	N/A	6 MB	45 W	35 W	64 GB	Up to [DDR4-2666]	Intel® UHD Graphics 630	1.00 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-8100B	8th	i3	2018	14 nm	4	N/A	N/A	4	N/A	6 MB	65 W	N/A	64 GB	Up to [DDR4-2666]	Intel® UHD Graphics 630	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-7020U	7th	i3	2018	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	N/A	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8650U	8th	i7	2017	14 nm	4	N/A	N/A	8	4.20 GHz[1]	8 MB	15 W	10 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.4	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-8550U	8th	i7	2017	14 nm	4	N/A	N/A	8	4.00 GHz[1]	8 MB	15 W	10 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.4	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8350U	8th	i5	2017	14 nm	4	N/A	N/A	8	3.60 GHz[1]	6 MB	15 W	10 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.4	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-8250U	8th	i5	2017	14 nm	4	N/A	N/A	8	3.40 GHz[1]	6 MB	15 W	10 W	32 GB	Up to [DDR4-2400, LPDDR3-2133]	Intel® UHD Graphics 620	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.4	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M3-7Y32	7th	M	2017	14 nm	2	N/A	N/A	4	3.00 GHz[1]	4 MB	4.5 W	3.75 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 615	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7920HQ	7th	i7	2017	14 nm	4	N/A	N/A	8	4.10 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2400, LPDDR3-2133, DDR3L-1600]	Intel® HD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7820HQ	7th	i7	2017	14 nm	4	N/A	N/A	8	3.90 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2400, LPDDR3-2133, DDR3L-1600]	Intel® HD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7820HK	7th	i7	2017	14 nm	4	N/A	N/A	8	3.90 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2400, LPDDR3-2133, DDR3L-1600]	Intel® HD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7700HQ	7th	i7	2017	14 nm	4	N/A	N/A	8	3.80 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2400, LPDDR3-2133, DDR3L-1600]	Intel® HD Graphics 630	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7660U	7th	i7	2017	14 nm	2	N/A	N/A	4	4.00 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 640	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

i7-7600U	7th	i7	2017	14 nm	2	N/A	N/A	4	3.90 GHz[1]	4 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.15 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7567U	7th	i7	2017	14 nm	2	N/A	N/A	4	4.00 GHz[1]	4 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3 - 1866, DDR3L-1600]	Intel® Iris® Plus Graphics 650	1.15 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7560U	7th	i7	2017	14 nm	2	N/A	N/A	4	3.80 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 640	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7Y57	7th	i5	2017	14 nm	2	N/A	N/A	4	3.30 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 615	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7440HQ	7th	i5	2017	14 nm	4	N/A	N/A	4	3.80 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2400, LPDDR3-2133, DDR3L-1600]	Intel® HD Graphics 630	1.00 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7360U	7th	i5	2017	14 nm	2	N/A	N/A	4	3.60 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 640	1.00 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7300U	7th	i5	2017	14 nm	2	N/A	N/A	4	3.50 GHz[1]	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7300HQ	7th	i5	2017	14 nm	4	N/A	N/A	4	3.50 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2400, LPDDR3-2133, DDR3L-1600]	Intel® HD Graphics 630	1.00 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7287U	7th	i5	2017	14 nm	2	N/A	N/A	4	3.70 GHz[1]	4 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 650	1.10 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7267U	7th	i5	2017	14 nm	2	N/A	N/A	4	3.50 GHz[1]	4 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 650	1.05 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7260U	7th	i5	2017	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 640	950 MHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-7167U	7th	i3	2017	14 nm	2	N/A	N/A	4	N/A	3 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Plus Graphics 650	1.00 GHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-7130U	7th	i3	2017	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-7100H	7th	i3	2017	14 nm	2	N/A	N/A	4	N/A	3 MB	35 W	N/A	64 GB	DDR4-2400, LPDDR3-2133, DDR3L-1600	Intel® HD Graphics 630	950 MHz	**HDMI:** 4096 x 2304@30Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M3-7Y30	7th	M	2016	14 nm	2	N/A	N/A	4	2.60 GHz[1]	4 MB	4.5 W	3.75 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 615	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7Y75	7th	i7	2016	14 nm	2	N/A	N/A	4	3.60 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 615	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-7500U	7th	i7	2016	14 nm	2	N/A	N/A	4	3.50 GHz[1]	4 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7Y54	7th	i5	2016	14 nm	2	N/A	N/A	4	3.20 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 615	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-7200U	7th	i5	2016	14 nm	2	N/A	N/A	4	3.10 GHz[1]	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-7100U	7th	i3	2016	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 620	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6970HQ	6th	i7	2016	14 nm	4	N/A	N/A	8	3.70 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Pro Graphics 580	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6870HQ	6th	i7	2016	14 nm	4	N/A	N/A	8	3.60 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Pro Graphics 580	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6770HQ	6th	i7	2016	14 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Pro Graphics 580	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6660U	6th	i7	2016	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 540	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6350HQ	6th	i5	2016	14 nm	4	N/A	N/A	4	3.20 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Pro Graphics 580	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-6157U	6th	i3	2016	14 nm	2	N/A	N/A	4	N/A	3 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 550	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-6006U	6th	i3	2016	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	N/A	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 520	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M7-6Y75	6th	M	2015	14 nm	2	N/A	N/A	4	3.10 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 515	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M5-6Y57	6th	M	2015	14 nm	2	N/A	N/A	4	2.80 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 515	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M5-6Y54	6th	M	2015	14 nm	2	N/A	N/A	4	2.70 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 515	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M3-6Y30	6th	M	2015	14 nm	2	N/A	N/A	4	2.20 GHz[1]	4 MB	4.5 W	3.8 W	16 GB	Up to [LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 515	850 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 3840 x 2160@60Hz **eDP:** 3840 x 2160@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6920HQ	6th	i7	2015	14 nm	4	N/A	N/A	8	3.80 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6820HQ	6th	i7	2015	14 nm	4	N/A	N/A	8	3.60 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6820HK	6th	i7	2015	14 nm	4	N/A	N/A	8	3.60 GHz[1]	8 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6700HQ	6th	i7	2015	14 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6650U	6th	i7	2015	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 540	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6600U	6th	i7	2015	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 520	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6567U	6th	i7	2015	14 nm	2	N/A	N/A	4	3.60 GHz[1]	4 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3 - 1866, DDR3L-1600]	Intel® Iris® Graphics 550	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

i7-6560U	6th	i7	2015	14 nm	2	N/A	N/A	4	3.20 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 540	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-6500U	6th	i7	2015	14 nm	2	N/A	N/A	4	3.10 GHz[1]	4 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 520	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6440HQ	6th	i5	2015	14 nm	4	N/A	N/A	4	3.50 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6360U	6th	i5	2015	14 nm	2	N/A	N/A	4	3.10 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 540	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6300U	6th	i5	2015	14 nm	2	N/A	N/A	4	3.00 GHz[1]	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 520	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6300HQ	6th	i5	2015	14 nm	4	N/A	N/A	4	3.20 GHz[1]	6 MB	45 W	35 W	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.4	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6287U	6th	i5	2015	14 nm	2	N/A	N/A	4	3.50 GHz[1]	4 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 550	1.10 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6267U	6th	i5	2015	14 nm	2	N/A	N/A	4	3.30 GHz[1]	4 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 550	1.05 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6260U	6th	i5	2015	14 nm	2	N/A	N/A	4	2.90 GHz[1]	4 MB	15 W	9.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 540	950 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-6200U	6th	i5	2015	14 nm	2	N/A	N/A	4	2.80 GHz[1]	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 520	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-6167U	6th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	28 W	23 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® Iris® Graphics 550	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-6100U	6th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	7.5 W	32 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 520	1.00 GHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-6100H	6th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	35 W	N/A	64 GB	Up to [DDR4-2133, LPDDR3-1866, DDR3L-1600]	Intel® HD Graphics 530	900 MHz	**HDMI:** 4096 x 2304@24Hz **DP:** 4096 x 2304@60Hz **eDP:** 4096 x 2304@60Hz	12	4.5	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5950HQ	5th	i7	2015	14 nm	4	N/A	N/A	8	3.80 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1600/1866 LPDDR3 1600/1866]	Intel® Iris® Pro Graphics 6200	1.15 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 4096x2304@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5850HQ	5th	i7	2015	14 nm	4	N/A	N/A	8	3.60 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1600/1866 LPDDR3 1600/1866]	Intel® Iris® Pro Graphics 6200	1.10 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 4096x2304@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5750HQ	5th	i7	2015	14 nm	4	N/A	N/A	8	3.40 GHz[1]	6 MB	47 W	37 W	32 GB	Up to [DDR3L 1600/1866 LPDDR3 1600/1866]	Intel® Iris® Pro Graphics 6200	1.05 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 4096x2304@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5700HQ	5th	i7	2015	14 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	47 W	37 W	32 GB	Up to [DDR3L 1600/1866 LPDDR3 1600/1866]	Intel® Iris® Pro Graphics 6200	1.05 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 4096x2304@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5650U	5th	i7	2015	14 nm	2	N/A	N/A	4	3.10 GHz[1]	4 MB	15 W	9.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® HD Graphics 6000	1.00 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5600U	5th	i7	2015	14 nm	2	N/A	N/A	4	3.20 GHz[1]	4 MB	15 W	7.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5500	950 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5557U	5th	i7	2015	14 nm	2	N/A	N/A	4	3.40 GHz[1]	4 MB	28 W	23 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® Iris® Graphics 6100	1.10 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5550U	5th	i7	2015	14 nm	2	N/A	N/A	4	3.00 GHz[1]	4 MB	15 W	9.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® HD Graphics 6000	1.00 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-5500U	5th	i7	2015	14 nm	2	N/A	N/A	4	3.00 GHz[1]	4 MB	15 W	7.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5500	950 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5350U	5th	i5	2015	14 nm	2	N/A	N/A	4	2.90 GHz[1]	3 MB	15 W	9.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® HD Graphics 6000	1.00 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5350H	5th	i5	2015	14 nm	2	N/A	N/A	4	3.50 GHz[1]	4 MB	47 W	N/A	32 GB	Up to [DDR3L 1600/1866 LPDDR3 1600/1866]	Intel® Iris® Pro Graphics 6200	1.05 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5300U	5th	i5	2015	14 nm	2	N/A	N/A	4	2.90 GHz[1]	3 MB	15 W	7.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5500	900 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5287U	5th	i5	2015	14 nm	2	N/A	N/A	4	3.30 GHz[1]	3 MB	28 W	23 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® Iris® Graphics 6100	1.10 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5257U	5th	i5	2015	14 nm	2	N/A	N/A	4	3.10 GHz[1]	3 MB	28 W	23 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® Iris® Graphics 6100	1.05 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5250U	5th	i5	2015	14 nm	2	N/A	N/A	4	2.70 GHz[1]	3 MB	15 W	9.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® HD Graphics 6000	950 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-5200U	5th	i5	2015	14 nm	2	N/A	N/A	4	2.70 GHz[1]	3 MB	15 W	7.5 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5500	900 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-5157U	5th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	28 W	23 W	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1600/1866]	Intel® Iris® Graphics 6100	1.00 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-5020U	5th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	10 W	16 GB	Up to [DDR3L 1333/1600 LPDDR 1333 /1600]	Intel® HD Graphics 5500	900 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-5015U	5th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	10 W	16 GB	Up to [DDR3L 1333/1600 LPDDR 1333 /1600]	Intel® HD Graphics 5500	850 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-5010U	5th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	10 W	16 GB	Up to [DDR3L 1333/1600 LPDDR 1333 /1600]	Intel® HD Graphics 5500	900 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-5005U	5th	i3	2015	14 nm	2	N/A	N/A	4	N/A	3 MB	15 W	10 W	16 GB	Up to [DDR3L 1333/1600 LPDDR 1333 /1600]	Intel® HD Graphics 5500	850 MHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4722HQ	4th	i7	2015	22 nm	4	N/A	N/A	8	3.40 GHz[1]	6 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.15 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4720HQ	4th	i7	2015	22 nm	4	N/A	N/A	8	3.60 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.20 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M-5Y71	5th	M	2014	14 nm	2	N/A	N/A	4	2.90 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3 1333/1600; DDR3L/DDR3L-RS 1600]	Intel® HD Graphics 5300	900 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M-5Y70	5th	M	2014	14 nm	2	N/A	N/A	4	2.60 GHz[1]	4 MB	4.5 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5300	850 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

M-5Y51	5th	M	2014	14 nm	2	N/A	N/A	4	2.60 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3 1333/1600; DDR3L/DDR3L-RS 1600]	Intel® HD Graphics 5300	900 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M-5Y31	5th	M	2014	14 nm	2	N/A	N/A	4	2.40 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3 1333/1600; DDR3L/DDR3L-RS 1600]	Intel® HD Graphics 5300	850 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M-5Y10c	5th	M	2014	14 nm	2	N/A	N/A	4	2.00 GHz[1]	4 MB	4.5 W	3.5 W	16 GB	Up to [LPDDR3 1333/1600; DDR3L/DDR3L-RS 1600]	Intel® HD Graphics 5300	800 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M-5Y10a	5th	M	2014	14 nm	2	N/A	N/A	4	2.00 GHz[1]	4 MB	4.5 W	N/A	16 GB	Up to [LPDDR3 1333/1600; DDR3L/DDR3L-RS 1600]	Intel® HD Graphics 5300	800 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
M-5Y10	5th	M	2014	14 nm	2	N/A	N/A	4	2.00 GHz[1]	4 MB	4.5 W	N/A	16 GB	Up to [LPDDR3 1333/1600; DDR3L/DDR3L-RS 1600]	Intel® HD Graphics 5300	800 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4980HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	4.00 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® Iris® Pro Graphics 5200	1.30 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4940MX	4th	i7	2014	22 nm	4	N/A	N/A	8	4.00 GHz[1]	8 MB	57 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.35 GHz	N/A	N/A	N/A	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4910MQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.90 GHz[1]	8 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.30 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4870HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.70 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® Iris® Pro Graphics 5200	1.20 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4860HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.60 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® Iris® Pro Graphics 5200	1.20 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4810MQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.80 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.30 GHz	**HDMI:** 2560x1600@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4770HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.40 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® Iris® Pro Graphics 5200	1.20 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4760HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.30 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® Iris® Pro Graphics 5200	1.20 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4712MQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.30 GHz[1]	6 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.15 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4712HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.30 GHz[1]	6 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.15 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4710MQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.15 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4710HQ	4th	i7	2014	22 nm	4	N/A	N/A	8	3.50 GHz[1]	6 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.20 GHz	**HDMI:** 3840x2160@30Hz **DP:** 3840x2160@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4610M	4th	i7	2014	22 nm	2	N/A	N/A	4	3.70 GHz[1]	4 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.30 GHz	**DP:** 4096 x 2160@30Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4578U	4th	i7	2014	22 nm	2	N/A	N/A	4	3.50 GHz[1]	4 MB	28 W	N/A	16 GB	Up to [DDR3L-1333, 1600; LPDDR3-1333, 1600]	Intel® Iris® Graphics 5100	1.20 GHz	**HDMI:** 3200x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i7-4510U	4th	i7	2014	22 nm	2	N/A	N/A	4	3.10 GHz[1]	4 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4400	1.10 GHz	**HDMI:** 3200x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4360U	4th	i5	2014	22 nm	2	N/A	N/A	4	3.00 GHz[1]	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5000	1.10 GHz	**HDMI:** 3280x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4340M	4th	i5	2014	22 nm	2	N/A	N/A	4	3.60 GHz[1]	3 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.25 GHz	**HDMI:** 3840x2160@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4310U	4th	i5	2014	22 nm	2	N/A	N/A	4	3.00 GHz[1]	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4400	1.10 GHz	**HDMI:** 3280x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4310M	4th	i5	2014	22 nm	2	N/A	N/A	4	3.40 GHz[1]	3 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.25 GHz	**HDMI:** 3840x2160@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	Yes	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4308U	4th	i5	2014	22 nm	2	N/A	N/A	4	3.30 GHz[1]	3 MB	28 W	N/A	16 GB	Up to [DDR3L-1333, 1600; LPDDR3-1333, 1600]	Intel® Iris® Graphics 5100	1.20 GHz	**HDMI:** 3280x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4278U	4th	i5	2014	22 nm	2	N/A	N/A	4	3.10 GHz[1]	3 MB	28 W	N/A	16 GB	Up to [DDR3L-1333, 1600; LPDDR3-1333, 1600]	Intel® Iris® Graphics 5100	1.10 GHz	**HDMI:** 3280x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4260U	4th	i5	2014	22 nm	2	N/A	N/A	4	2.70 GHz[1]	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 5000	1.00 GHz	**HDMI:** 3280x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4220Y	4th	i5	2014	22 nm	2	N/A	N/A	4	2.00 GHz[1]	3 MB	11.5 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4200	850 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2560x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4210U	4th	i5	2014	22 nm	2	N/A	N/A	4	2.70 GHz[1]	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4400	1.00 GHz	**HDMI:** 3280x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4210M	4th	i5	2014	22 nm	2	N/A	N/A	4	3.20 GHz[1]	3 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.15 GHz	**HDMI:** 3840x2160@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i5-4210H	4th	i5	2014	22 nm	2	N/A	N/A	4	3.50 GHz[1]	3 MB	47 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.15 GHz	**HDMI:** 3840x2160@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-4120U	4th	i3	2014	22 nm	2	N/A	N/A	4	N/A	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4400	1.00 GHz	**HDMI:** 3200x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-4110M	4th	i3	2014	22 nm	2	N/A	N/A	4	N/A	3 MB	37 W	N/A	32 GB	Up to [DDR3L 1333/1600]	Intel® HD Graphics 4600	1.10 GHz	**HDMI:** 3840x2160@ 60Hz **DP:** 3840x2160@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-4030Y	4th	i3	2014	22 nm	2	N/A	N/A	4	N/A	3 MB	11.5 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4200	850 MHz	**HDMI:** 2560x1600@60Hz **DP:** 2561x1600@60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-4030U	4th	i3	2014	22 nm	2	N/A	N/A	4	N/A	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4400	1.00 GHz	**HDMI:** 3200x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2
i3-4025U	4th	i3	2014	22 nm	2	N/A	N/A	4	N/A	3 MB	15 W	N/A	16 GB	Up to [DDR3L 1333/1600, LPDDR3 1333/1600]	Intel® HD Graphics 4400	950 MHz	**HDMI:** 3200x2000@ 60Hz **DP:** 3200x2000@ 60Hz	11.2/12	4.3	No	Intel® SSE4.1, Intel® SSE4.2, Intel® AVX2

[1]**Intel® Turbo Boost Technology 2.0 Frequency**
[2]**Intel® Turbo Boost Max Technology 3.0 Frequency**
[3]**Intel® Thermal Velocity Boost Frequency**
[4]**Max Turbo Frequency *only* applies on performance-cores for 12th, 13th, and 14th Gen Intel® Core™ Processors**
[5]**Type and speed of memory can vary between laptops**
[6]**This Processor is available also without IPU (Intel® Image Processing Unit) and no LPDDR5**
[7]**This Processor is available also without IPU (Intel® Image Processing Unit) and no minimum assured power set**