

10TH GEN INTEL[®] CORE[™] DESKTOP PROCESSORS

PROCESSOR NUMBER	BASE CLOCK SPEED (GHZ)	INTEL [®] TURBO BOOST TECHNOLOGY 2.0 MAXIMUM SINGLE CORE TURBO FREQUENCY (GHZ)	INTEL [®] TURBO BOOST MAX TECHNOLOGY 3.0 FREQUENCY (GHZ)	INTEL [®] THERMAL VELOCITY BOOST TECHNOLOGY SINGLE / ALL CORE TURBO FREQUENCY (GHZ) ¹	INTEL [®] ALL CORE TURBO FREQUENCY (GHZ)	CORES/ THREADS	THERMAL DESIGN POWER	UNLOCKED ²	PLATFORM PCIE 3.0 LANES	MEMORY SUPPORT [‡]	PROCESSOR GRAPHICS	INTEL [®] OPTANE [™] MEMORY [‡]	RCP PRICING (USD 1K)
i9-10900K	Up to 3.7	Up to 5.1	Up to 5.2	Up to 5.3 / 4.9	Up to 4.8	10/20	125	✓	Up to 40	Two Channels DDR4-2933	Intel [®] UHD Graphics 630	✓	\$488
i9-10900KF	Up to 3.7	Up to 5.1	Up to 5.2	Up to 5.3 / 4.9	Up to 4.8	10/20	125	✓	Up to 40	Two Channels DDR4-2933		✓	\$472
i9-10900	Up to 2.8	Up to 5.0	Up to 5.1	Up to 5.2 / 4.6	Up to 4.5	10/20	65		Up to 40	Two Channels DDR4-2933	Intel [®] UHD Graphics 630	✓	\$439
i9-10900F	Up to 2.8	Up to 5.0	Up to 5.1	Up to 5.2 / 4.6	Up to 4.5	10/20	65		Up to 40	Two Channels DDR4-2933		✓	\$422
i7-10700K	Up to 3.8	Up to 5.0	Up to 5.1	NA	Up to 4.7	8/16	125	✓	Up to 40	Two Channels DDR4-2933	Intel [®] UHD Graphics 630	✓	\$374
i7-10700KF	Up to 3.8	Up to 5.0	Up to 5.1	NA	Up to 4.7	8/16	125	✓	Up to 40	Two Channels DDR4-2933		✓	\$349
i7-10700	Up to 2.9	Up to 4.7	Up to 4.8	NA	Up to 4.6	8/16	65		Up to 40	Two Channels DDR4-2933	Intel [®] UHD Graphics 630	✓	\$323
i7-10700F	Up to 2.9	Up to 4.7	Up to 4.8	NA	Up to 4.6	8/16	65		Up to 40	Two Channels DDR4-2933		✓	\$298

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• ¹DDR4 maximum speed support is 1 and 2 DPC for UDIMMs but only 1 DPC for SODIMMs. DDR4 2DPC UDIMM 2933 or 2666 is capable when same UDIMM part number are populated with in each channel.

• [‡]Intel[®] Optane[™] memory requires specific hardware and software configuration. Visit www.intel.com/Optanememory for configuration requirements.

• ¹Intel[®] Thermal Velocity Boost feature is opportunistic at a temperature of 70°C or lower and when turbo power budget is available. The frequency gain and duration is dependent on the workload (best for bursty workloads), capabilities of the individual processor, and the processor cooling solution. Frequencies may reduce over time and longer workloads may start at the max frequency but drop as processor temperature increases.



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i5-10600K	Up to 4.1	Up to 4.8	NA	NA	Up to 4.5	6/12	125	✓	Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$262
i5-10600KF	Up to 4.1	Up to 4.8	NA	NA	Up to 4.5	6/12	125	✓	Up to 40	Two Channels DDR4-2666		✓	\$237
i5-10600	Up to 3.3	Up to 4.8	NA	NA	Up to 4.4	6/12	65		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$213
i5-10500	Up to 3.1	Up to 4.5	NA	NA	Up to 4.2	6/12	65		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$192
i5-10400	Up to 2.9	Up to 4.3	NA	NA	Up to 4.0	6/12	65		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$182
i5-10400F	Up to 2.9	Up to 4.3	NA	NA	Up to 4.0	6/12	65		Up to 40	Two Channels DDR4-2666		✓	\$157
i3-10320	Up to 3.8	Up to 4.6	NA	NA	Up to 4.4	4/8	65		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$154
i3-10300	Up to 3.7	Up to 4.4	NA	NA	Up to 4.2	4/8	65		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$143
i3-10100	Up to 3.6	Up to 4.3	NA	NA	Up to 4.1	4/8	65		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$122

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Pentium Gold G6600	Up to 4.2	NA	NA	NA	NA	2/4	58		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$86
Pentium Gold G6500	Up to 4.1	NA	NA	NA	NA	2/4	58		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$75
Pentium Gold G6400	Up to 4.0	NA	NA	NA	NA	2/4	58		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 610	✓	\$64
Celeron G5920	Up to 3.5	NA	NA	NA	NA	2/2	58		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 610	✓	\$52
Celeron G5900	Up to 3.4	NA	NA	NA	NA	2/2	58		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 610	✓	\$42

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i9-10900T	Up to 1.9	Up to 4.5	Up to 4.6	NA	Up to 3.7	10/20	35		Up to 40	Two Channels DDR4-2933	Intel [®] UHD Graphics 630	✓	\$439
i7-10700T	Up to 2.0	Up to 4.4	Up to 4.5	NA	Up to 3.7	8/16	35		Up to 40	Two Channels DDR4-2933	Intel [®] UHD Graphics 630	✓	\$325
i5-10600T	Up to 2.4	Up to 4.0	NA	NA	Up to 3.7	6/12	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$213
i5-10500T	Up to 2.3	Up to 3.8	NA	NA	Up to 3.5	6/12	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$192
i5-10400T	Up to 2.0	Up to 3.6	NA	NA	Up to 3.2	6/12	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$182
i3-10300T	Up to 3.0	Up to 3.9	NA	NA	Up to 3.6	4/8	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$143
i3-10100T	Up to 3.0	Up to 3.8	NA	NA	Up to 3.5	4/8	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$122
Pentium Gold G6500T	Up to 3.5	NA	NA	NA	NA	2/4	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 630	✓	\$75
Pentium Gold G6400T	Up to 3.4	NA	NA	NA	NA	2/4	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 610	✓	\$64
Celeron G5900T	Up to 3.2	NA	NA	NA	NA	2/2	35		Up to 40	Two Channels DDR4-2666	Intel [®] UHD Graphics 610	✓	\$42

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