

# 11th Gen Intel® Core™ Desktop Processors

PROCESSOR NUMBER	BASE CLOCK SPEED (GHZ)	INTEL® TURBO BOOST TECHNOLOGY 2.0 FREQUENCY (GHZ)	INTEL® TURBO BOOST MAX TECHNOLOGY 3.0 FREQUENCY (GHZ)	INTEL® THERMAL VELOCITY BOOST TECHNOLOGY SINGLE / ALL CORE TURBO FREQUENCY (GHZ) <sup>1</sup>	INTEL® ALL CORE TURBO FREQUENCY (GHZ)	CORES/ THREADS	INTEL® SMART CACHE	THERMAL DESIGN POWER	UNLOCKED <sup>2</sup>	PLATFORM PCIe LANES	MEMORY SUPPORT <sup>3</sup>	PROCESSOR GRAPHICS	RCP Pricing (USD 1K)
<b>i9-11900K</b>	3.5	Up to 5.1	Up to 5.2	Up to 5.3 / 4.8	Up to 4.7	8/16	16M	125	✓	Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$539
<b>i9-11900KF</b>	3.5	Up to 5.1	Up to 5.2	Up to 5.3 / 4.8	Up to 4.7	8/16	16M	125	✓	Up to 44	DDR4-3200 DDR4-2933		\$513
<b>i9-11900</b>	2.5	Up to 5.0	Up to 5.1	Up to 5.2 / 4.7	Up to 4.6	8/16	16M	65		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$439
<b>i9-11900F</b>	2.5	Up to 5.0	Up to 5.1	Up to 5.2 / 4.7	Up to 4.6	8/16	16M	65		Up to 44	DDR4-3200 DDR4-2933		\$422
<b>i9-11900T</b>	1.5	Up to 4.8	Up to 4.9	NA	Up to 3.7	8/16	16M	35		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$439
<b>i7-11700K</b>	3.6	Up to 4.9	Up to 5.0	NA	Up to 4.6	8/16	16M	125	✓	Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$399
<b>i7-11700KF</b>	3.6	Up to 4.9	Up to 5.0	NA	Up to 4.6	8/16	16M	125	✓	Up to 44	DDR4-3200 DDR4-2933		\$374
<b>i7-11700</b>	2.5	Up to 4.8	Up to 4.9	NA	Up to 4.4	8/16	16M	65		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$323
<b>i7-11700F</b>	2.5	Up to 4.8	Up to 4.9	NA	Up to 4.4	8/16	16M	65		Up to 44	DDR4-3200 DDR4-2933		\$298
<b>i7-11700T</b>	1.4	Up to 4.5	Up to 4.6	NA	Up to 3.6	8/16	16M	35		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$323

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1. Intel® 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.
2. Altering clock frequency or voltage may void any product warranties and reduce stability, security, performance, and life of the processor and other components. Check with system and component manufacturers for details.
3. Two channel DDR4 2DPC is supported when channel is populated with the same DIMM part number. Symmetric configurations are required for 2DPC within one channel. i9-11900K(F) SKUs are DDR4-3200 Gear 1. All other SKUs are DDR4-3200 Gear 2. DDR4-2933 is Gear 1.

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<b>i5-11600K</b>	3.9	Up to 4.9	NA	NA	Up to 4.6	6/12	12M	125	✓	Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$262
<b>i5-11600KF</b>	3.9	Up to 4.9	NA	NA	Up to 4.6	6/12	12M	125	✓	Up to 44	DDR4-3200 DDR4-2933		\$237
<b>i5-11600</b>	2.8	Up to 4.8	NA	NA	Up to 4.3	6/12	12M	65		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$213
<b>i5-11600T</b>	1.7	Up to 4.1	NA	NA	Up to 3.5	6/12	12M	35		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$213
<b>i5-11500</b>	2.7	Up to 4.6	NA	NA	Up to 4.2	6/12	12M	65		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$192
<b>i5-11500T</b>	1.5	Up to 3.9	NA	NA	Up to 3.4	6/12	12M	35		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 750	\$192
<b>i5-11400</b>	2.6	Up to 4.4	NA	NA	Up to 4.2	6/12	12M	65		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 730	\$182
<b>i5-11400F</b>	2.6	Up to 4.4	NA	NA	Up to 4.2	6/12	12M	65		Up to 44	DDR4-3200 DDR4-2933		\$157
<b>i5-11400T</b>	1.3	Up to 3.7	NA	NA	Up to 3.3	6/12	12M	35		Up to 44	DDR4-3200 DDR4-2933	Intel® UHD Graphics 730	\$182

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3. Two channel DDR4 2DPC is supported when channel is populated with the same DIMM part number. Symmetric configurations are required for 2DPC within one channel. i9-11900K(F) SKUs are DDR4-3200 Gear 1. All other SKUs are DDR4-3200 Gear 2. DDR4-2933 is Gear 1.

# Refreshed 10th Gen Intel® Core™ Desktop Processors

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<b>i3-10325</b>	3.9	Up to 4.7	NA	NA	Up to 4.5	4/8	8M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$154
<b>i3-10305</b>	3.8	Up to 4.5	NA	NA	Up to 4.3	4/8	8M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$143
<b>i3-10305T</b>	3.0	Up to 4.0	NA	NA	Up to 3.7	4/8	8M	35		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$143
<b>i3-10105</b>	3.7	Up to 4.4	NA	NA	Up to 4.2	4/8	6M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$122
<b>i3-10105F</b>	3.7	Up to 4.4	NA	NA	Up to 4.2	4/8	6M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$97
<b>i3-10105T</b>	3.0	Up to 3.9	NA	NA	Up to 3.6	4/8	6M	35		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$122
<b>Pentium Gold G6605</b>	4.3	NA	NA	NA	NA	2/4	4M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$86
<b>Pentium Gold G6505</b>	4.2	NA	NA	NA	NA	2/4	4M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$75
<b>Pentium Gold G6505T</b>	3.6	NA	NA	NA	NA	2/4	4M	35		Up to 40	DDR4-2666	Intel® UHD Graphics 630	\$75
<b>Pentium Gold G6405</b>	4.1	NA	NA	NA	NA	2/4	4M	65		Up to 40	DDR4-2666	Intel® UHD Graphics 610	\$64
<b>Pentium Gold G6405T</b>	3.5	NA	NA	NA	NA	2/4	4M	35		Up to 40	DDR4-2666	Intel® UHD Graphics 610	\$64

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