



Intel® Core™ i3 Desktop Processors Comparison Chart



INSTRUCTIONS

1. If the column heading is underlined, clicking on that will take you to a web site or document where you can get more information on that term.
2. Clicking on the individual processor number will take you to an Intel database that contains an expanded set of processor specifications.
3. Clicking on the individual box order code will take you to the Intel Desktop Compatibility Tool.
4. For complete memory support details click on the processor number (column 1) for specifications.

Processor Name and Generation			Ordering	Package Specification	Frequency/Cache/Cores/Threads/TDP				Processor Graphics		Security & Reliability	Advanced Technologies				Memory Specifications	
Processors Number	Launch Year	Processors Generation	Box Order Number (Click to link to Compatible Motherboards)	Processors Socket	Processor Base Frequency (GHz)	Cache (MB)	Cores/Threads	Thermal Design Power (Watts)	Intel® Graphics	Graphics Speed (MHz)	Intel® AES New Instructions (AES)	Intel® Virtualization Technology (VT-X)	Intel® Identity Protection Technology (Intel® IPT)	Intel® Optane™ Memory Supported	Max # of Memory Channels	* Maximum DDR4/DDR3L/DDR3 Supported Memory (MHz)	
i3-9350K	Q2'19	9th Gen	BX80684I39350K	LGA1151	4.00	8	4/4	91W	UHD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-9320	Q2'19	9th Gen	BX80684I39320	LGA1151	3.70	8	4/4	62W	UHD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-9300	Q2'19	9th Gen	BX80684I39300	LGA1151	3.70	8	4/4	62W	UHD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-9100	Q2'19	9th Gen	BX80684I39100	LGA1151	3.60	6	4/4	62W	UHD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-9100F	Q2'19	9th Gen	BX80684I39100F	LGA1151	3.60	6	4/4	62W	No	N/A	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-9350KF	Q1'19	9th Gen	BX80684I39350KF	LGA1151	4.00	8	4/4	95W	No	N/A	Yes	Yes	Yes	Yes	2	2666/NA/NA	
i3-8300	Q2'18	8th Gen	BX80677I37300	LGA1151	3.70	8	4/4	62W	UHD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-8350K	Q4'17	8th Gen	BX80684I38350K	LGA1151	4.00	8	4/4	91W	UHD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-8100	Q4'17	8th Gen	BX80684I38100	LGA1151	3.60	6	4/4	65W	UHD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-7350K	Q1'17	7th Gen	BX80677I37350K	LGA1151	4.20	4	2/4	60W	HD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/1600/NA	
i3-7320	Q1'17	7th Gen	BX80677I37320	LGA1151	4.10	4	2/4	51W	HD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/1600/NA	
i3-7300	Q1'17	7th Gen	BX80677I37300	LGA1151	4.00	4	2/4	51W	HD 630	350/1150	Yes	Yes	Yes	Yes	2	2400/1600/NA	
i3-7100	Q1'17	7th Gen	BX80677I37100	LGA1151	3.90	3	2/4	51W	HD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/1600/NA	
i3-6320	Q3'15	6th Gen	BX80662I36320	LGA1151	3.90	4	2/4	65W	HD 530	350/1150	Yes	Yes	Yes	No	2	2133/1600/NA	
i3-6300	Q3'15	6th Gen	BX80662I36300	LGA1151	3.80	4	2/4	65W	HD 530	350/1150	Yes	Yes	Yes	No	2	2133/1600/NA	
i3-6100	Q3'15	6th Gen	BX80662I36100	LGA1151	3.70	3	2/4	65W	HD 530	350/1050	Yes	Yes	Yes	No	2	2133/1600/NA	
i3-6098P	Q4'15	6th Gen	BX80662I36098P	LGA1151	3.60	3	2/4	54W	HD 510	350/1050	Yes	Yes	Yes	No	2	2133/1600/NA	
i3-4370	Q3'14	4th Gen	BX80646I34370	LGA1150	3.80	4	2/4	54W	HD 4600	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4360	Q2'14	4th Gen	BX80646I34360	LGA1150	3.70	4	2/4	54W	HD 4600	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4350	Q2'14	4th Gen	BX80646I34350	LGA1150	3.60	4	2/4	54W	HD 4600	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4340	Q3'13	4th Gen	BX80646I34340	LGA1150	3.60	4	2/4	54W	HD 4600	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4330	Q3'13	4th Gen	BX80646I34330	LGA1150	3.50	4	2/4	54W	HD 4600	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4170	Q2'15	4th Gen	BX80646I34170	LGA1150	3.70	3	2/4	54W	HD 4400	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4160	Q3'14	4th Gen	BX80646I34160	LGA1150	3.60	3	2/4	54W	HD 4400	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4150	Q2'14	4th Gen	BX80646I34150	LGA1155	3.50	3	2/4	54W	HD 4400	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4130	Q3'13	4th Gen	BX80646I34130	LGA1150	3.40	3	2/4	54W	HD 4400	350/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-3250	Q2'13	3rd Gen	Discontinued	LGA1155	3.50	3	2/4	55W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-3245	Q2'13	3rd Gen	Discontinued	LGA1155	3.40	3	2/4	55W	HD 4000	650/1005	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-3210	Q1'13	3rd Gen	Discontinued	LGA1155	3.20	3	2/4	55W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-3240	Q3'12	3rd Gen	Discontinued	LGA1155	3.40	3	2/4	55W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-3225	Q3'12	3rd Gen	Discontinued	LGA1155	3.30	3	2/4	55W	HD 4000	650/1005	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-3220	Q3'12	3rd Gen	Discontinued	LGA1155	3.30	3	2/4	55W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-2130	Q3'11	2nd Gen	Discontinued	LGA1155	3.30	3	2/4	65W	HD 2000	850/1100	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-2125	Q3'11	2nd Gen	Discontinued	LGA1155	3.30	3	2/4	65W	HD 2000	850/1100	No	Yes	N/A	No	2	NA/NA/1333,1600	
i3-2105	Q2'11	2nd Gen	Discontinued	LGA1155	3.10	3	2/4	65W	HD 3000	850/1100	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-2102	Q2'11	2nd Gen	Discontinued	LGA1155	3.10	3	2/4	65W	HD 3000	850/1100	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-2120	Q2'11	2nd Gen	Discontinued	LGA1155	3.10	3	2/4	65W	HD 2000	850/1100	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-2100	Q1'11	2nd Gen	Discontinued	LGA1155	3.10	3	2/4	65W	HD 2000	850/1100	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-560	Q3'10	N/A	Discontinued	LGA1156	3.33	4	2/4	73W	HD	773	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-550	Q2'10	N/A	Discontinued	LGA1156	3.33	4	2/4	73W	HD	773	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-540	Q1'10	N/A	Discontinued	LGA1156	3.06	4	2/4	73W	HD	773	No	Yes	N/A	No	2	NA/NA/1333, 1066	
i3-530	Q1'10	N/A	Discontinued	LGA1156	2.93	4	2/4	73W	HD	773	No	Yes	N/A	No	2	NA/NA/1333, 1066	

Technical Documents = Datasheets, Design Guides, etc;

* The value in column (Maximum DDR4/DDR3L/DDR3) is the maximum value, please refer to the [product specification page](#) for other possible values supported

Intel® Core™ i3 Desktop Processor Top Support Documents

Technical Documents (Datasheets, Design Guides, etc.)	Technical resources for the processors
Intel® Desktop Processor Support Resources	This document contains the most commonly sought after information on Intel® Desktop Processors.
Intel® Desktop Processors Motherboard Compatibility Tool	Use this tool to find compatible motherboards for the Intel® Desktop Processor



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Processor Number	Processor Generation	Launch Year	Box Order Number (Click to link to Compatible Motherboards)	Processor Socket	Processor Base Frequency (GHz)	Cache (MB)	Cores/Threads	Thermal Design Power (Watts)	Intel® Graphics	Graphics Speed (MHz)	Intel® AES New Instructions (AES)	Intel® Virtualization Technology (VT-X)	Intel® Identity Protection Technology (Intel® IPT)	Intel® Optane™ Memory Supported	Max # of Memory Channels	* Maximum DDR4/DDR3L/DDR3 Supported Memory (MHz)	
Low Power Desktop Processors																	
i3-9300T	9th Gen	Q2'19	BX80684I39300T	LGA1151	3.20	8	4/4	35W	UHD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-9100T	9th Gen	Q2'19	BX80684I39100T	LGA1151	3.10	6	4/4	35W	UHD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-8300T	8th Gen	Q2'18	Not Boxed	LGA1151	3.20	8	4/4	35W	UHD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-8100T	8th Gen	Q2'18	Not Boxed	LGA1151	3.10	6	4/4	35W	UHD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/NA/NA	
i3-7300T	7th Gen	Q1'17	BX80677I37300T	LGA1151	3.50	4	2/4	35W	HD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/1600/NA	
i3-7100T	7th Gen	Q1'17	BX80677I37100T	LGA1151	3.40	3	2/4	35W	HD 630	350/1100	Yes	Yes	Yes	Yes	2	2400/1600/NA	
i3-6300T	6th Gen	Q3'15	BX80662I36300T	LGA1151	3.30	4	2/4	35W	HD 530	350/950	Yes	Yes	Yes	No	2	2133/1600/NA	
i3-6100T	6th Gen	Q3'15	BX80662I36100T	LGA1151	3.20	3	2/4	54W	HD 530	350/950	Yes	Yes	Yes	No	2	2133/1600/NA	
i3-4370T	4th Gen	Q2'15	Not Boxed	LGA1150	3.30	4	2/4	35W	HD 4400	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4360T	4th Gen	Q3'14	Not Boxed	LGA1150	3.20	4	2/4	35W	HD 4600	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4350T	4th Gen	Q2'14	Not Boxed	LGA1150	3.10	4	2/4	35W	HD 4600	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4330T	4th Gen	Q3'13	Not Boxed	LGA1150	3.00	4	2/4	35W	HD 4600	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4170T	4th Gen	Q2'15	Not Boxed	LGA1150	3.20	3	2/4	35W	HD 4400	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4160T	4th Gen	Q3'14	Not Boxed	LGA1150	3.10	3	2/4	35W	HD 4400	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4150T	4th Gen	Q2'14	Not Boxed	LGA1150	3.00	3	2/4	35W	HD 4400	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-4130T	4th Gen	Q3'13	BX80646I34130T	LGA1150	2.90	3	2/4	35W	HD 4400	200/1150	Yes	Yes	N/A	No	2	NA/1600/1600	
i3-3250T	3rd Gen	Q2'13	Discontinued	LGA1155	3.00	3	2/4	35W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333, 1600	
i3-3240T	3rd Gen	Q3'12	Discontinued	LGA1155	2.90	3	2/4	35W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333, 1600	
i3-3220T	3rd Gen	Q3'12	Discontinued	LGA1155	2.80	3	2/4	35W	HD 2500	650/1005	No	Yes	N/A	No	2	NA/NA/1333, 1600	
i3-2120T	2nd Gen	Q3'11	Discontinued	LGA1155	2.80	3	2/4	35W	HD 2000	650/1100	No	No	N/A	No	2	NA/NA/1333, 1066	
i3-2100T	2nd Gen	Q1'11	Discontinued	LGA1156	2.50	3	2/4	35W	HD 2000	650/1100	No	No	N/A	No	2	NA/NA/1333, 1066	

Technical Documents = Datasheets, Design Guides, etc.;

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Technical Documents (Datasheets, Design Guides, etc)	Technical resources for the processors
Intel® Desktop Processors Motherboard Compatibility Tool	Use this tool to find compatible motherboards for the Intel® Desktop Processor
Desktop Processor Warranty Frequently Asked Questions	Provides answers to frequently asked questions regarding processor warranty.
Intel® Processor Installation Center	Step-by-Step from Box to Boot

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