



# INTEL® CORE™ i3 DESKTOP PROCESSOR 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.

| <u>PROCESSOR NUMBER</u>  | <u>BOX ORDER CODE</u>          | LAUNCH YEAR | PROCESSOR SOCKET | PROCESSOR BASE FREQUENCY (GHz) | CACHE (MB) | CORES / THREADS | <u>INTEL® HYPER-THREADING TECHNOLOGY</u> | THERMAL DESIGN POWER (Watts) | FMB   | <u>INTEL® UHD or HD GRAPHICS</u> | HD GRAPHICS SPEED (MHz)* | INTEL® ENHANCED SPEEDSTEP TECHNOLOGY (EIST) | <u>INTEL® ADVANCED ENCRYPTION STANDARD (AES)</u> | <u>INTEL® VIRTUALIZATION TECHNOLOGY (VT-X)</u> | <u>INTEL® ADVANCED VECTOR EXTENSIONS (AVX)</u> | PROCESSOR TECHNOLOGY | MAXIMUM DDR4 / DDR3L / DDR3 SUPPORTED MEMORY (MHz) | TECHNICAL DOCUMENTS |
|--------------------------|--------------------------------|-------------|------------------|--------------------------------|------------|-----------------|--|------------------------------|-------|----------------------------------|--------------------------|---|--|--|--|----------------------|--|---------------------|
| <a href="#">i3-8350K</a> | <a href="#">BX80684I38350K</a> | Q4'17       | LGA1151          | 4                              | 8          | 4/4             | No                                       | 91W                          | 2015D | 630                              | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2400/NA/NA   | <a href="#">Go</a>  |
| <a href="#">i3-8100</a>  | <a href="#">BX80684I38100</a>  | Q4'17       | LGA1151          | 3.6                            | 6          | 4/4             | No                                       | 65W                          | 2015C | 630                              | 350/1100                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2400/NA/NA   | <a href="#">Go</a>  |
| <a href="#">i3-7350K</a> | <a href="#">BX80677I37350K</a> | Q1'17       | LGA1151          | 4.2                            | 4          | 2/4             | Yes                                      | 60W                          | 2015D | 630                              | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2400/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-7320</a>  | <a href="#">BX80677I37320</a>  | Q1'17       | LGA1151          | 4.1                            | 4          | 2/4             | Yes                                      | 51W                          | 2015C | 630                              | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2400/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-7300</a>  | <a href="#">BX80677I37300</a>  | Q1'17       | LGA1151          | 4                              | 4          | 2/4             | Yes                                      | 51W                          | 2015C | 630                              | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2400/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-7100</a>  | <a href="#">BX80677I37100</a>  | Q1'17       | LGA1151          | 3.9                            | 3          | 2/4             | Yes                                      | 51W                          | 2015C | 630                              | 350/1100                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2400/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-6320</a>  | <a href="#">BX80662I36320</a>  | Q3'15       | LGA1151          | 3.9                            | 4          | 2/4             | Yes                                      | 65W                          | 2015C | 530                              | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2133/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-6300</a>  | <a href="#">BX80662I36300</a>  | Q3'15       | LGA1151          | 3.8                            | 4          | 2/4             | Yes                                      | 65W                          | 2015C | 530                              | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2133/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-6100</a>  | <a href="#">BX80662I36100</a>  | Q3'15       | LGA1151          | 3.7                            | 3          | 2/4             | Yes                                      | 65W                          | 2015C | 530                              | 350/1050                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2133/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-6098P</a> | <a href="#">BX80662I36098P</a> | Q4'15       | LGA1151          | 3.6                            | 3          | 2/4             | Yes                                      | 54W                          | 2015C | 510                              | 350/1050                 | Yes   | Yes  | Yes  | Yes  | 14 nm                | 2133/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-4370</a>  | <a href="#">BX80646I34370</a>  | Q3'14       | LGA1150          | 3.8                            | 4          | 2/4             | Yes                                      | 54W                          | 2013C | 4600                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4360</a>  | <a href="#">BX80646I34360</a>  | Q2'14       | LGA1150          | 3.7                            | 4          | 2/4             | Yes                                      | 54W                          | 2013C | 4600                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4350</a>  | <a href="#">BX80646I34350</a>  | Q2'14       | LGA1150          | 3.6                            | 4          | 2/4             | Yes                                      | 54W                          | 2013C | 4600                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4340</a>  | <a href="#">BX80646I34340</a>  | Q3'13       | LGA1150          | 3.6                            | 4          | 2/4             | Yes                                      | 54W                          | 2013C | 4600                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4330</a>  | <a href="#">BX80646I34330</a>  | Q3'13       | LGA1150          | 3.5                            | 4          | 2/4             | Yes                                      | 54W                          | 2013C | 4600                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4170</a>  | <a href="#">BX80646I34170</a>  | Q2'15       | LGA1150          | 3.7                            | 3          | 2/4             | Yes                                      | 54W                          | 2013C | 4400                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4160</a>  | <a href="#">BX80646I34160</a>  | Q3'14       | LGA1150          | 3.6                            | 3          | 2/4             | Yes                                      | 54W                          | 2013C | 4400                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4150</a>  | <a href="#">BX80646I34150</a>  | Q2'14       | LGA1155          | 3.5                            | 3          | 2/4             | Yes                                      | 54W                          | 2013C | 4400                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4130</a>  | <a href="#">BX80646I34130</a>  | Q3'13       | LGA1150          | 3.4                            | 3          | 2/4             | Yes                                      | 54W                          | 2013C | 4400                             | 350/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm                | NA/1600/1600                                       | <a href="#">Go</a>  |

Technical Documents = Datasheets, Design Guides, etc;

## Intel® Core™ i3 Desktop Processor Top Support Documents

[Intel® Desktop Processor Support Resources](#)

This document contains the most commonly sought after information on Intel® Desktop Processors.

[Overview of Intel® Processor Tools](#)

This document provides links to popular Intel® processor tools, with a description on what they do.

[Desktop Processor Warranty Frequently Asked Questions](#)

This documents provides answers to the most frequent questions we receive regarding processor warranty.

[Intel® Processor Installation Center](#)

## Intel® Core™ i3 Desktop Processor Support Home Page

[http://www.intel.com/p/en\\_US/support/highlights/processors/corei3dt](http://www.intel.com/p/en_US/support/highlights/processors/corei3dt)



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|-------------------------------------|--------------------------------|-------------|------------------|--------------------------------|------------|-----------------|--|------------------------------|-------|---------------------------|--------------------------|---|--|--|--|--------------------|--|---------------------|
| <b>Low Power Desktop Processors</b> |                                |             |                  |                                |            |                 |  |                              |       |                           |                          |   |  |  |  |                    |  |                     |
| <a href="#">i3-7300T</a>            | <a href="#">BX80677I37300T</a> | Q1'17       | LGA1151          | 3.5                            | 4          | 2/4             | Yes                                      | 35W                          | 2015A | 630                       | 350/1100                 | Yes   | Yes  | Yes  | Yes  | 14 nm              | 2400/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-7100T</a>            | <a href="#">BX80677I37100T</a> | Q1'17       | LGA1151          | 3.4                            | 3          | 2/4             | Yes                                      | 35W                          | 2015A | 630                       | 350/1100                 | Yes   | Yes  | Yes  | Yes  | 14nm               | 2400/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-6300T</a>            | <a href="#">BX80662I36300T</a> | Q3'15       | LGA1151          | 3.3                            | 4          | 2/4             | Yes                                      | 35W                          | 2015A | 530                       | 350/950                  | Yes   | Yes  | Yes  | Yes  | 14 nm              | 2133/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-6100T</a>            | <a href="#">BX80662I36100T</a> | Q3'15       | LGA1151          | 3.2                            | 3          | 2/4             | Yes                                      | 54W                          | 2015A | 530                       | 350/950                  | Yes   | Yes  | Yes  | Yes  | 14nm               | 2133/1600/NA                                       | <a href="#">Go</a>  |
| <a href="#">i3-4370T</a>            | Not Boxed                      | Q2'15       | LGA1150          | 3.3                            | 4          | 2/4             | Yes                                      | 35W                          | 2013A | 4400                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4360T</a>            | Not Boxed                      | Q3'14       | LGA1150          | 3.2                            | 4          | 2/4             | Yes                                      | 35W                          | 2013A | 4600                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4350T</a>            | Not Boxed                      | Q2'14       | LGA1150          | 3.1                            | 4          | 2/4             | Yes                                      | 35W                          | 2013A | 4600                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4330T</a>            | Not Boxed                      | Q3'13       | LGA1150          | 3                              | 4          | 2/4             | Yes                                      | 35W                          | 2013A | 4600                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4170T</a>            | Not Boxed                      | Q2'15       | LGA1150          | 3.2                            | 3          | 2/4             | Yes                                      | 35W                          | 2013A | 4400                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4160T</a>            | Not Boxed                      | Q3'14       | LGA1150          | 3.1                            | 3          | 2/4             | Yes                                      | 35W                          | 2013A | 4400                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4150T</a>            | Not Boxed                      | Q2'14       | LGA1150          | 3                              | 3          | 2/4             | Yes                                      | 35W                          | 2013A | 4400                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |
| <a href="#">i3-4130T</a>            | <a href="#">BX80646I34130T</a> | Q3'13       | LGA1150          | 2.9                            | 3          | 2/4             | Yes                                      | 35W                          | 2013A | 4400                      | 200/1150                 | Yes   | Yes  | Yes  | Yes  | 22 nm              | NA/1600/1600                                       | <a href="#">Go</a>  |