



# INTEL® CORE™ i5 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.

<u>PROCESSOR NUMBER</u>	<u>BOX ORDER CODE</u>	<u>LAUNCH YEAR</u>	<u>PROCESSOR SOCKET</u>	<u>PROCESSOR BASE FREQUENCY (GHz)</u>	<u>HIGHEST INTEL® TURBO BOOST FREQUENCY</u>	<u>CACHE (MB)</u>	<u>CORES / THREADS</u>	<u>INTEL® HYPER-THREADING TECHNOLOGY</u>	<u>THERMAL DESIGN POWER (Watts)</u>	<u>FMB</u>	<u>INTEL® HD GRAPHICS</u>	<u>HD GRAPHICS SPEED (MHz)*</u>	<u>INTEL® ADVANCED ENCRYPTION STANDARD (AES)</u>	<u>INTEL® VIRTUALIZATION TECHNOLOGY (VT-X)</u>	<u>INTEL® ADVANCED VECTOR EXTENSIONS (AVX)</u>	<u>PROCESSOR TECHNOLOGY</u>	<u>MAXIMUM DDR3 SUPPORTED MEMORY (MHz)</u>	<u>TECHNICAL DOCUMENTS</u>
<a href="#">i5-5675R</a>	<a href="#">Not boxed</a>	Q2'15	LGA1150	3.1	3.6	4	4/4	No	65W	2013D	6200	300/1100	Yes	Yes	Yes	14 nm	1866	<a href="#">Go</a>
<a href="#">i5-5675C</a>	<a href="#">BX80658155575C</a>	Q2'15	LGA1150	3.1	3.6	4	4/4	No	65W	2013D	6200	300/1100	Yes	Yes	Yes	14 nm	1866	<a href="#">Go</a>
<a href="#">i5-5575R</a>	<a href="#">Not boxed</a>	Q2'15	LGA1150	2.8	3.3	4	4/4	No	65W	2013D	6200	300/1050	Yes	Yes	Yes	14 nm	1866	<a href="#">Go</a>
<a href="#">i5-4690K</a>	<a href="#">BX80646154670K</a>	Q2'14	LGA1150	3.5	3.9	6	4/4	No	88W	2013D	4600	350/1200	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4690</a>	<a href="#">BX80646154690</a>	Q2'14	LGA1150	3.5	3.9	6	4/4	No	84W	2013D	4600	350/1200	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4670K</a>	<a href="#">BX80646154670K</a>	Q2'13	LGA1150	3.4	3.8	6	4/4	No	84W	2013D	4600	350/1200	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4670</a>	<a href="#">BX80646154670</a>	Q2'13	LGA1150	3.4	3.8	6	4/4	No	84W	2013D	4600	350/1200	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4590</a>	<a href="#">BX80646154590</a>	Q2'14	LGA1150	3.3	3.7	6	4/4	No	84W	2013D	4600	350/1150	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4570</a>	<a href="#">BX80646154570</a>	Q2'13	LGA1150	3.2	3.6	6	4/4	No	84W	2013D	4600	350/1150	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4460</a>	<a href="#">BX80646154460</a>	Q2'14	LGA1150	3.2	3.4	6	4/4	No	84W	2013D	4600	350/1100	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4440</a>	<a href="#">BX60646154440</a>	Q3'13	LGA1150	3.1	3.3	6	4/4	No	84W	2013D	4600	350/1100	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-4430</a>	<a href="#">BX80646154330</a>	Q2'13	LGA1150	3	3.2	6	4/4	No	84W	2013D	4600	350/1100	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3570K</a>	<a href="#">BX80637153570K</a>	Q2'12	LGA1155	3.4	3.8	6	4/4	No	77W	2011D	4000	650/1150	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3570</a>	<a href="#">BX80637153570</a>	Q2'12	LGA1155	3.4	3.8	6	4/4	No	77W	2011D	2500	650/1150	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3550</a>	<a href="#">BX80637153550</a>	Q2'12	LGA1155	3.3	3.7	6	4/4	No	77W	2011D	2500	650/1150	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3470</a>	<a href="#">BX80637153470</a>	Q2'12	LGA1155	3.2	3.6	6	4/4	No	77W	2011D	2500	650/1100	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3450</a>	<a href="#">BX80637153450</a>	Q2'12	LGA1155	3.1	3.5	6	4/4	No	77W	2011D	2500	650/1100	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3350P</a>	<a href="#">BX80637153350P</a>	Q3'12	LGA1155	3.1	3.3	6	4/4	No	69W	2011D	No	650/1050	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3340</a>	<a href="#">BX80637153340</a>	Q3'13	LGA1155	3.1	3.3	6	4/4	No	77W	2011D	2500	650/1050	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-3330</a>	<a href="#">BX80637153330</a>	Q3'12	LGA1155	3	3.2	6	4/4	No	77W	2011D	2500	650/1050	Yes	Yes	Yes	22 nm	1600	<a href="#">Go</a>
<a href="#">i5-2550K</a>	<a href="#">BX80623152550K</a>	Q1'12	LGA1155	3.4	3.8	6	4/4	No	95W	2011D	No	No	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2500K</a>	<a href="#">BX80623152500K</a>	Q1'11	LGA1155	3.3	3.7	6	4/4	No	95W	2011D	3000	850/1100	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2500</a>	<a href="#">BX80623152500</a>	Q1'11	LGA1155	3.3	3.7	6	4/4	No	95W	2011D	2000	850/1100	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2450P</a>	<a href="#">BX80623152450P</a>	Q1'12	LGA1155	3.2	3.5	6	4/4	No	95W	2011D	No	No	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2400</a>	<a href="#">BX80623152400</a>	Q1'11	LGA1155	3.1	3.4	6	4/4	No	95W	2011D	2000	850/1100	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2380P</a>	<a href="#">BX80623152380P</a>	Q1'12	LGA1155	3.1	3.4	6	4/4	No	95W	2011D	No	No	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2320</a>	<a href="#">BX80623152320</a>	Q3'11	LGA1155	3	3.3	6	4/4	No	95W	2011D	2000	850/1100	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2310</a>	<a href="#">BX80623152310</a>	Q2'11	LGA1155	2.9	3.2	6	4/4	No	95W	2011D	2000	850/1100	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-2300</a>	<a href="#">BX80623152300</a>	Q1'11	LGA1155	2.8	3.1	6	4/4	No	95W	2011D	2000	850/1100	Yes	Yes	Yes	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-760</a>	<a href="#">BX8060515760</a>	Q3'10	LGA1156	2.8	3.33	8	4/4	No	95W	09B	No	No	No	Yes	No	45 nm	1333	<a href="#">Go</a>
<a href="#">i5-750</a>	<a href="#">BX8060515750</a>	Q3'09	LGA1156	2.66	3.2	8	4/4	No	95W	09B	No	No	No	Yes	No	45 nm	1333	<a href="#">Go</a>
<a href="#">i5-680</a>	<a href="#">BX8061615680</a>	Q2'10	LGA1156	3.6	3.86	4	2/4	Yes	73W	09A	Yes	733	Yes	Yes	No	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-670</a>	<a href="#">BX8061615670</a>	Q1'10	LGA1156	3.46	3.73	4	2/4	Yes	73W	09A	Yes	733	Yes	Yes	No	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-661</a>	<a href="#">BX8061615661</a>	Q1'10	LGA1156	3.33	3.6	4	2/4	Yes	87W	09B	Yes	900	Yes	Yes	No	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-660</a>	<a href="#">BX8061615660</a>	Q1'10	LGA1156	3.33	3.6	4	2/4	Yes	73W	09A	Yes	733	Yes	Yes	No	32 nm	1333	<a href="#">Go</a>
<a href="#">i5-655K</a>	<a href="#">BX8061615655K</a>	Q2'10	LGA1156	3.2	3.46	4	2/4	Yes	73W	09A	Yes	733	Yes	Yes	No	32 nm	1333	<a href="#">Go</a>

Technical Documents = Datasheets, Design Guides, etc.

[Intel® Core™ i5 Desktop Processor Top Support Documents](#)

[Intel® Processor Installation Center](#)

This web site contains installation and integration material for Intel® Desktop Processors across various sockets

[Intel® Core™ i5 Desktop Processor Support Home Page](#)

[http://www.intel.com/p/en\\_US/support/highlights/processors/corei5dt](http://www.intel.com/p/en_US/support/highlights/processors/corei5dt)