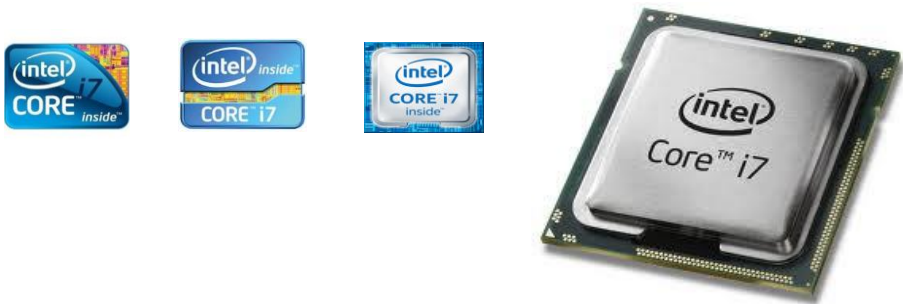




INTEL® CORE™ i7 DESKTOP PROCESSOR
COMPARISON CHART



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 an Intel database that will show which Intel® Desktop Boards are compatible with that processor.

PROCESSOR NUMBER	BOX ORDER CODE	LAUNCH YEAR	PROCESSOR SOCKET	PROCESSOR BASE FREQUENCY (GHz)	HIGHEST INTEL® TURBO BOOST FREQUENCY	CACHE (MB)	CORES / THREADS	INTEL® HYPER THREADING TECHNOLOGY	THERMA L DESIGN POWER (Watts)	FMB	INTEL® HD GRAPHICS	HD GRAPHICS SPEED (MHz)*	INTEL® ADVANCED ENCRYPTION STANDARD (AES)	INTEL® VIRTUALIZATION TECHNOLOGY (VT-X)	INTEL® ADVANCED VECTOR EXTENSIONS (AVX)	PROCESS TECHNOLOGY	MAXIMUM DDR3 SUPPORTED MEMORY (MHz)	TECHNICAL DOCUMENTS
i7-6700K	BX80662I76700K	Q3'15	LGA1151	4	4.2	8	4/8	Yes	95	2015D	530	350/1150	Yes	Yes	Yes	14 nm	See here	Go
i7-5930K	BX80648I75930K	Q3'14	LGA2011V3	3.5	3.7	15	6/12	Yes	140	2011P	No	N/A	Yes	Yes	Yes	22 nm	2133	Go
i7-5820K	BX80648I75820K	Q3'14	LGA2011V3	3.3	3.6	15	6/12	Yes	140	2011P	No	N/A	Yes	Yes	Yes	22 nm	2133	Go
i7-5775R	Not boxed	Q2'15	LGA1150	3.3	3.8	6	4/8	Yes	65	2013D	6200	300/1150	Yes	Yes	Yes	14 nm	1866	Go
i7-5775C	BX80658I75775C	Q2'15	LGA1150	3.3	3.7	6	4/8	Yes	65	2013D	6200	300/1150	Yes	Yes	Yes	14 nm	1866	Go
i7-4930K	BX80633I74930K	Q3'13	LGA2011	3.4	3.9	12	6/12	Yes	130	2011P	No	N/A	Yes	Yes	Yes	22 nm	1833	Go
i7-4820K	BX80633I74820K	Q3'13	LGA2011	3.7	3.9	10	4/8	Yes	130	2011P	No	N/A	Yes	Yes	Yes	22 nm	1833	Go
i7-4771	BX80646I74771	Q3'13	LGA1150	3.5	3.9	8	4/8	Yes	84	2013D	4600	350/1200	Yes	Yes	Yes	22 nm	1600	Go
i7-4770T	Not boxed	Q2'13	LGA1150	2.5	3.7	8	4/8	Yes	45	2013B	4600	350/1200	Yes	Yes	Yes	22 nm	1600	Go
i7-4770S	BX80646I74770S	Q2'13	LGA1150	3.1	3.9	8	4/8	Yes	65	2013C	4600	350/1200	Yes	Yes	Yes	22 nm	1600	Go
i7-4770R	Not boxed	Q2'13	BGA1364	3.2	3.9	8	4/8	Yes	65	2013C	5200	200/1300	Yes	Yes	Yes	22 nm	1600	Go
i7-4770K	BX80646I74770K	Q2'13	LGA1150	3.5	3.9	8	4/8	Yes	84	2013D	4600	350/1250	Yes	Yes	Yes	22 nm	1600	Go
i7-4770	BX80646I74770	Q2'13	LGA1150	3.4	3.9	8	4/8	Yes	84	2013D	4600	350/1200	Yes	Yes	Yes	22 nm	1600	Go
i7-4765T	Not boxed	Q2'13	LGA1150	2	3	8	4/8	Yes	35	2012A	4600	350/1200	Yes	Yes	Yes	22 nm	1600	Go
i7-3930K	BX80619I73930K	Q4'11	LGA2011	3.2	3.8	12	6/12	Yes	130	2011P	No	N/A	Yes	Yes	Yes	32 nm	1600	Go
i7-3820	BX80619I73820	Q1'12	LGA2011	3.6	3.8	10	4/8	Yes	130	2011P	No	N/A	Yes	Yes	Yes	32 nm	1600	Go
i7-3770T	Not boxed	Q2'12	LGA1155	2.5	3.7	8	4/8	Yes	45	2011B	4000	650/1150	Yes	Yes	Yes	22 nm	1600	Go
i7-3770S	Not boxed	Q2'12	LGA1155	3.1	3.9	8	4/8	Yes	65	2011C	4000	650/1150	Yes	Yes	Yes	22 nm	1600	Go
i7-3770K	BX80637I73770K	Q2'12	LGA1155	3.5	3.9	8	4/8	Yes	77	2011D	4000	650/1150	Yes	Yes	Yes	22 nm	1600	Go
i7-3770	BX80637I73770	Q2'12	LGA1155	3.4	3.9	8	4/8	Yes	77	2011D	4000	650/1150	Yes	Yes	Yes	22 nm	1600	Go
i7-2700K	BX80623I72700K	Q4'11	LGA1155	3.5	3.9	8	4/8	Yes	95	2011D	3000	850/1350	Yes	Yes	Yes	32 nm	1333	Go
i7-2600K	BX80623I72600K	Q1'11	LGA1155	3.4	3.8	8	4/8	Yes	95	2011D	3000	850/1350	Yes	Yes	Yes	32 nm	1333	Go
i7-2600	BX80623I72600	Q1'11	LGA1155	3.4	3.8	8	4/8	Yes	95	2011D	2000	850/1350	Yes	Yes	Yes	32 nm	1333	Go
i7-2600S	BX80623I72600S	Q1'11	LGA1155	2.8	3.8	8	4/8	Yes	65	2011C	2000	850/1350	Yes	Yes	Yes	32 nm	1333	Go
i7-980	BX80613I7980	Q2'11	LGA1366	3.33	3.6	12	6/12	Yes	130	08	No	No	Yes	Yes	No	32 nm	1066	Go
i7-970	BX80613I7970	Q3'10	LGA1366	3.2	3.46	12	6/12	Yes	130	08	No	No	Yes	Yes	No	32 nm	1066	Go
i7-960	BX80601960	Q4'09	LGA1366	3.2	3.46	8	4/8	Yes	130	08	No	No	No	Yes	No	45 nm	1066	Go
i7-950	BX80601950	Q2'09	LGA1366	3.06	3.33	8	4/8	Yes	130	08	No	No	No	Yes	No	45 nm	1066	Go
i7-940	BX80601940	Q4'08	LGA1366	2.93	3.2	8	4/8	Yes	130	08	No	No	No	Yes	No	45 nm	1066	Go
i7-930	BX80601930	Q1'10	LGA1366	2.8	3.06	8	4/8	Yes	130	08	No	No	No	Yes	No	45 nm	1066	Go
i7-920	BX80601920	Q4'08	LGA1366	2.66	2.93	8	4/8	Yes	130	08	No	No	No	Yes	No	45 nm	1066	Go
i7-880	BX80605I7880	Q2'10	LGA1156	3.06	3.73	8	4/8	Yes	95	09B	No	No	No	Yes	No	45 nm	1333	Go
i7-875K	BX80605I7875K	Q2'10	LGA1156	2.93	3.6	8	4/8	Yes	95	09B	No	No	No	Yes	No	45 nm	1333	Go
i7-870	BX80605I7870	Q3'09	LGA1156	2.93	3.6	8	4/8	Yes	95	09B	No	No	No	Yes	No	45 nm	1333	Go
i7-870S	BX80605I7870S	Q2'10	LGA1156	2.66	3.6	8	4/8	Yes	82	09A	No	No	No	Yes	No	45 nm	1333	Go
i7-860	BX80605I7860	Q3'09	LGA1156	2.8	3.46	8	4/8	Yes	95	09B	No	No	No	Yes	No	45 nm	1333	Go
i7-860S	BX80605I7860S	Q1'10	LGA1156	2.53	3.46	8	4/8	Yes	82	09A	No	No	No	Yes	No	45 nm	1333	Go

Technical Documents = Datasheets, Design Guides, etc;

Intel® Core™ i7 Desktop Processor Top Support Documents

[Intel® Desktop Processor Suppport Resources](#)

[Overview of Intel® Processor Tools](#)

[Desktop Processor Warranty Frequently Asked Questions](#)

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

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

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

[Intel® Processor Installation Center](#)

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

Intel® Core™ i7 Desktop Processor Support Home Page

http://www.intel.com/p/en_US/support/highlights/processors/corei7dt