



# INTEL® CORE™ i7 EXTREME EDITION 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.

<u>Processor Number</u>	<u>Box order code</u>	Launch Year	Processor Socket	Processor Base Frequency (GHz)	<u>Highest Intel® Turbo Boost Frequency</u>	Cache (MB)	Cores/Threads	<u>Intel® Hyper Threading Technology</u>	Thermal Design Power (Watts)	FMB	<u>Intel® HD Graphics</u>	Intel® Enhanced Speedstep Technology	<u>Intel® Advanced Encryption Standard (AES)</u>	<u>Intel® Virtualization Technology (VT-x)</u>	<u>Intel® Advanced Vector Extensions (AVX)</u>	<u>Process Technology</u>	Maximum DDR3/DDR4 Supported Memory Speed	<u>Technical Documents</u>
<a href="#">i7-6950X</a>	<a href="#">BX80671176950X</a>	Q2'2016	LGA2011V3	3	3.5	25	10/20	Yes	140	2011P	No	Yes	Yes	Yes	Yes	14 nm	<a href="#">See here</a>	<a href="#">Go</a>
<a href="#">i7-5960X</a>	<a href="#">BX80648175960X</a>	Q3'2014	LGA2011V3	3	3.5	20	8/16	Yes	140	2011P	No	Yes	Yes	Yes	Yes	22 nm	2133 MHz	<a href="#">Go</a>
<a href="#">i7-4960X</a>	<a href="#">BX80633174960X</a>	Q3'2013	LGA2011	3.6	4	15	6/12	Yes	130	2011P	No	Yes	Yes	Yes	Yes	22 nm	1866 MHz	<a href="#">Go</a>
<a href="#">i7-3970X</a>	<a href="#">BX80619173970X</a>	Q4'2012	LGA2011	3.5	4	15	6/12	Yes	150	2011P	No	Yes	Yes	Yes	Yes	32 nm	1600 MHz	<a href="#">Go</a>
<a href="#">i7-3960X</a>	<a href="#">BX80619173960X</a>	Q4'2011	LGA2011	3.3	3.9	15	6/12	Yes	130	2011P	No	Yes	Yes	Yes	Yes	32 nm	1600 MHz	<a href="#">Go</a>
<a href="#">i7-990X</a>	<a href="#">BX8061317990X</a>	Q1'2011	LGA1366	3.46	3.73	12	6/12	Yes	130	2011D	No	Yes	Yes	Yes	No	32 nm	1066 MHz	<a href="#">Go</a>
<a href="#">i7-980X</a>	<a href="#">BX8061317980X</a>	Q1'2010	LGA1366	3.33	3.6	12	6/12	Yes	130	2011D	No	Yes	Yes	Yes	No	32 nm	1066 MHz	<a href="#">Go</a>
<a href="#">i7-975</a>	<a href="#">BX80601975</a>	Q2'2009	LGA1366	3.33	3.6	8	4/8	Yes	130	2011D	No	Yes	No	Yes	No	45 nm	1066 MHz	<a href="#">Go</a>
<a href="#">i7-965</a>	<a href="#">BX80601965</a>	Q4'2008	LGA1366	3.2	3.46	8	4/8	Yes	130	2011D	No	Yes	No	Yes	No	45 nm	1066 MHz	<a href="#">Go</a>

Technical Documents = Datasheets, Design Guides, etc;

## Intel® Core™ i7 Processor Extreme Edition 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](#)

This site contains installation material for this processors family and socket.

## Intel® Core™ i7 Processor Extreme Edition Support Home Page

<http://www.intel.com/content/www/us/en/support/processors/desktop-processors/intel-high-end-desktop-processors.html>