



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>	<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>Intel® Enhanced Speedstep Technology</u>	<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>	<u>Maximum DDR3/DDR4 Supported Memory Speed</u>	<u>Technical Documents</u>
i9-7980XE	BX80673197980X	Q3'2017	LGA2066	2.6	4.4	24.75	18/36	Yes	165	2017x	No	Yes	Yes	Yes	Yes	14 nm	2666 MHz	Go
i7-6950X	BX80671176950X	Q2'2016	LGA2011V3	3	3.5	25	10/20	Yes	140	2011P	No	Yes	Yes	Yes	Yes	14 nm	2400 MHz	Go
i7-5960X	BX80648175960X	Q3'2014	LGA2011V3	3	3.5	20	8/16	Yes	140	2011P	No	Yes	Yes	Yes	Yes	22 nm	2133 MHz	Go
i7-4960X	BX80633174960X	Q3'2013	LGA2011	3.6	4	15	6/12	Yes	130	2011P	No	Yes	Yes	Yes	Yes	22 nm	1866 MHz	Go
i7-3970X	BX80619173970X	Q4'2012	LGA2011	3.5	4	15	6/12	Yes	150	2011P	No	Yes	Yes	Yes	Yes	32 nm	1600 MHz	Go
i7-3960X	BX80619173960X	Q4'2011	LGA2011	3.3	3.9	15	6/12	Yes	130	2011P	No	Yes	Yes	Yes	Yes	32 nm	1600 MHz	Go

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>