



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>	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 SUPPORTED MEMORY (MHz)	<u>TECHNICAL DOCUMENTS</u>
i7-3970X	BX80619I73970X	Q4'2012	LGA2011	3.5	4	15	6/12	Yes	150	2011P	No	Yes	Yes	Yes	Yes	32 nm	1600	Go
i7-3960X	BX80619I73960X	Q4'2011	LGA2011	3.3	3.9	15	6/12	Yes	130	2011P	No	Yes	Yes	Yes	Yes	32 nm	1600	Go
i7-990X	BX80613i7990X	Q1'2011	LGA1366	3.46	3.73	12	6/12	Yes	130	2011D	No	Yes	Yes	Yes	No	32 nm	1066	Go
i7-980X	BX80613i7980X	Q1'2010	LGA1366	3.33	3.6	12	6/12	Yes	130	2011D	No	Yes	Yes	Yes	No	32 nm	1066	Go
i7-975	BX80601975	Q2'2009	LGA1366	3.33	3.6	8	4/8	Yes	130	2011D	No	Yes	No	Yes	No	45 nm	1066	Go
i7-965	BX80601965	Q4'2008	LGA1366	3.2	3.46	8	4/8	Yes	130	2011D	No	Yes	No	Yes	No	45 nm	1066	Go

Technical Documents = Datasheets, Design Guides, etc.

Intel® Core™ i7 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.

Desktop Processor Installation and Integration Documents

[LGA2011 Socket](#)

[LGA1366 Socket](#)

[How to apply Thermal Interface Material](#)

Intel® Core™ i7 Desktop Processor Support Home Page

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

