



INTEL® CORE™ i9 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>Max Turbo Frequency</u>	<u>Intel® Turbo Boost Max. Technology 3.0 Frequency #</u>	<u>Cache (MB)</u>	<u>Cores/Threads</u>	<u>Intel® Hyper-Threading Technology</u>	<u>TDP (Thermal Design Power) (Watts)</u>	<u>Intel® HD Graphics</u>	<u>Intel® Enhanced Speedstep Technology</u>	<u>Intel® AES New Instructions (AES)</u>	<u>Intel® Virtualization Technology (VT-x)</u>	<u>Intel® Advanced Vector Extensions (AVX)</u>	<u>Process Technology</u>	<u>Maximum DDR4 / DDR3 Supported Memory Speed (MHz)</u>	<u>Technical Documents</u>
i9-7960X	BXK80673197960X	Q3'17	LGA2066	2.80	4.20	4.40	22	16/32	Yes	165	No	Yes	Yes	Yes	Yes	14 nm	2666 / NA	Go
i9-7940X	BXK80673197940X	Q3'17	LGA2066	3.10	4.30	4.40	19.25	14/28	Yes	165	No	Yes	Yes	Yes	Yes	14 nm	2666/ NA	Go
i9-7920X	BXK80673197920X	Q3'17	LGA2066	2.90	4.30	4.40	16	12/24	Yes	140	No	Yes	Yes	Yes	Yes	14 nm	2666/ NA	Go
i9-7900X	BXK80673197900X	Q2'17	LGA2066	3.30	4.30	4.50	13.75	10/20	Yes	140	No	Yes	Yes	Yes	Yes	14 nm	2666/ NA	Go

Technical Documents - Datasheets, Design Guides, etc;

Intel® Core™ i9 Processor Top Support Documents

[Intel® Desktop Processor Support Resources](#)

[Overview of Intel® Processor Tools](#)

[Desktop Processor Warranty Frequently Asked Questions](#)

[Intel® Processor Installation Center](#)

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.

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

Intel® Core™ i9 Processor Support Home Page

<https://www.intel.com/content/www/us/en/support/products/123588/processors/intel-core-processors/intel-core-x-series-processors.html>