

Intel® Xeon® Platinum 8160T Processor

33M Cache, 2.10 GHz

Specifications

Compatible Products

Product Images

Ordering and Compliance

Ordering and spec information

Intel® Xeon® Platinum 8160T Processor (33M Cache, 2.10 GHz) FC-LGA14B, Tray

Spec Code SR3J6

Ordering Code CD8067303592800

Step H0

RCP \$4936.00

Trade compliance information

ECCN 5A992C

CCATS G077159

US HTS 8542310001

PCN/MDDS Information

SR3J6

958187 PCN | MDDS

Downloads and Software

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functionality, or compatibility of the products listed. Please contact system vendor for more information on specific products or systems.

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Refer to Datasheet for formal definitions of product properties and features.

"Announced" SKUs are not yet available. Please refer to the Launch Date for market availability.

Some products can support AES New Instructions with a Processor Configuration update, in particular, i7-2630QM/i7-2635QM, i7-2670QM/i7-2675QM, i5-2430M/i5-2435M, i5-2410M/i5-2415M. Please contact OEM for the BIOS that includes the latest Processor configuration update.

‡ This feature may not be available on all computing systems. Please check with the system vendor to determine if your system delivers this feature, or reference the system specifications (motherboard, processor, chipset, power supply, HDD, graphics controller, memory, BIOS, drivers, virtual machine monitor-VMM, platform software, and/or operating system) for feature compatibility. Functionality, performance, and other benefits of this feature may vary depending on system configuration.

See http://www.intel.com/content/www/us/en/architecture-and-technology/hyper-threading/hyper-threading-technology.html? wapkw=hyper+threading for more information including details on which processors support Intel® HT Technology.

Max Turbo Frequency refers to the maximum single-core processor frequency that can be achieved with Intel® Turbo Boost Technology. See www.intel.com/technology/turboboost/ for more information.

The Recommended Customer Price ("RCP") is pricing guidance for Intel products. Prices are for direct Intel customers, typically represent 1,000-unit purchase quantities, and are subject to change without notice. Taxes and shipping, etc. not included. Prices may vary for other package types and shipment quantities, and special promotional arrangements may apply. If sold in bulk, price represents individual unit. Listing of these RCP does not constitute a formal pricing offer from Intel. Please work with your appropriate Intel representative to obtain a formal price quotation.

System and Maximum TDP is based on worst case scenarios. Actual TDP may be lower if not all I/Os for chipsets are used.

Low Halogen: Applies only to brominated and chlorinated flame retardants (BFRs/CFRs) and PVC in the final product. Intel components as well as purchased components on the finished assembly meet JS-709 requirements, and the PCB / substrate meet IEC 61249-2-21 requirements. The replacement of halogenated flame retardants and/or PVC may not be better for the environment.

For benchmarking data see http://www.intel.com/performance.

Intel processor numbers are not a measure of performance. Processor numbers differentiate features within each processor family, not across different processor families. See http://www.intel.com/content/www/us/en/processors/processor-numbers.html for details.

Processors that support 64-bit computing on Intel® architecture require an Intel 64 architecture-enabled BIOS.

(intel)





Intel® Xeon® Platinum 8160T Processor

Specifications
Essentials
Performance
Supplemental Informatic
Memory Specifications
Expansion Options
Package Specifications
Advanced Technologies
Security & Reliability

Ordering and Cor

Product Images

Downloads and Softv

Essentials	(a) Export specificati
Product Collection	Intel® Xeon® Scalable Processors
Code Name	Products formerly Skylake
Vertical Segment	Server
Processor Number	8160T
Status	Launched
Launch Date ?	Q3'17
Lithography ?	14 nm
Recommended Customer Price ?	\$4936.00
Performance	
# of Cores ?	24
# of Threads ?	48
Processor Base Frequency ?	2.10 GHz
Max Turbo Frequency (?)	3.70 GHz
Cache (?)	33 MB L3
# of UPI Links ②	3
TDP (?)	150 W
Supplemental Information	
Embedded Options Available ?	Yes
Datasheet	View now
Product Brief	View now
-	
Memory Specifications	
Max Memory Size (dependent on memory type) ?	768 GB
Memory Types ?	DDR4-2666
Maximum Memory Speed	2666 MHz
Max # of Memory Channels ?	6
ECC Memory Supported ‡ ?	Yes
Expansion Options	
Scalability	SRS
PCI Express Revision ?	3.0
Max # of PCI Express Lanes ?	48
Place of FCI Express Earles	~
Package Specifications	
Sockets Supported ?	FCLGA3647
TCASE ?	93°C
Package Size	76.0mm x 56.5mm
Low Halogen Options Available	See MDDS
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Advanced Technologies	
Intel® Optane™ Memory Supported ‡ ?	
	No
	No Yes
Intel® Speed Shift Technology 🕐	
Intel® Speed Shift Technology ② Intel® Turbo Boost Max Technology 3.0 ®	Yes
Intel® Speed Shift Technology ② Intel® Turbo Boost Max Technology 3.0 ® ③ Intel® Turbo Boost Technology ® ②	Yes No 2.0
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Intel® Speed Shift Technology ② Intel® Turbo Boost Max Technology 3.0 ® Intel® Turbo Boost Technology ® Intel® Turbo Boost Technology ® Intel® vPro® Technology ® Intel® Hyper® Technology ® Intel® Hyper® Technology ®	Yes No 2.0 Yes
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Intel® Speed Shift Technology ② Intel® Turbo Boost Max Technology 20 f ② Intel® Turbo Boost Max Technology 10 f ② Intel® Whom Secretary 10 f ② Intel® Whom Secretary 10 f ② Intel® Whom Secretary 10 f ② Intel® Whom Intel® Fechnology 10 f ③ Intel® Winsularization Technology 10 f ③ Intel® Secretary 10 f § Intel® 10	Yes 20 2vs Yes Yes Yes Yes Yes Yes 2vs Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye

More support options for Intel® Xeon® Platinum 8160T Processor (33M Cache, 2.10 GHz)



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