



# Intel® Xeon® Platinum 8160T Processor

33M Cache, 2.10 GHz

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## 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	<a href="#">PCN   MDDS</a>
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## Downloads and Software

All information provided is subject to change at any time, without notice. Intel may make changes to manufacturing life cycle, specifications, and product descriptions at any time, without notice. The information herein is provided "as-is" and Intel does not make any representations or warranties whatsoever regarding accuracy of the information, nor on the product features, availability,

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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/](http://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.



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## Specifications

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## Ordering and Compliance

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## Compatible Products

## Downloads and Software

## Essentials

Export specifications

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	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	SBS
PCI Express Revision	3.0
Max # of PCI Express Lanes	48

## Package Specifications

Sockets Supported	FCLGA3647
TCASE	93°C
Package Size	76.0mm x 56.5mm
Low Halogen Options Available	See MDDS

## Advanced Technologies

Intel® Optane™ Memory Supported	No
Intel® Speed Shift Technology	Yes
Intel® Turbo Boost Max Technology 3.0	No
Intel® Turbo Boost Technology	2.0
Intel® vPro™ Technology	Yes
Intel® Hyper-Threading Technology	Yes
Intel® Virtualization Technology (VT-x)	Yes
Intel® Virtualization Technology for Directed I/O (VT-d)	Yes
Intel® VT-x with Extended Page Tables (EPT)	Yes
Intel® TSX-NI	Yes
Intel® 64	Yes
Instruction Set Extensions	Intel® SSE4.2, Intel® AVX, Intel® AVX2, Intel® AVX-512
# of AVX-512 FMA Units	2
Enhanced Intel SpeedStep® Technology	Yes
Intel® Volume Management Device (VMD)	Yes

## Security & Reliability

Intel® AES New Instructions	Yes
Intel® Trusted Execution Technology	Yes
Execute Disable Bit	Yes
Intel® Run Sure Technology	Yes
Mode-based Execute Control (MBE)	Yes

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



Product Support



Downloads and Software



Support Community



Warranty and Replacement



Need more help?  
Contact support



Give Feedback

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