









Intel® Xeon® W-2135 Processor

Memory Types ?

Max # of Memory Channels ?

8.25M Cache, 3.70 GHz

Add to Compare

DDR4 1600/1866/2133/2400/2666

Specifications

Essentials

Performance

Supplemental Information

Memory

Specifications

Expansion Options

Package

Specifications

Advanced

Technologies

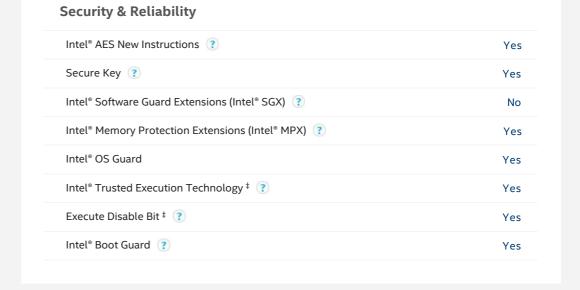
Security & Reliability

Ordering and Compliance

Downloads and Software

Code Name Vertical Segment Processor Number Status Launch Date ? Lithography ? Recommended Customer Price ? Performance # of Cores ? # of Threads ? Processor Base Frequency ? Max Turbo Frequency ? Cache ?	entials	Export specification
Vertical Segment Processor Number Status Launch Date ② Lithography ② Recommended Customer Price ② Performance # of Cores ② # of Threads ③ Processor Base Frequency ② Cache ② Bus Speed ② # of QPI Links ② # of UPI Links ② TDP ② Supplemental Information Embedded Options Available ② Datasheet Additional Information URL	duct Collection	Intel® Xeon® W Processor
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Memory Specifications	litional Information URL	View now
	nory Specifications	
Max Memory Size (dependent on memory type) 🕧	Memory Size (dependent on memory type) ?	512 GB

Max Memory Bandwidth ?	85.3 GB/s
Physical Address Extensions ?	46-bit
ECC Memory Supported ‡ 🔞	Yes
Expansion Options	
Scalability	1S Only
PCI Express Revision ?	3.0
PCI Express Configurations ‡ ?	x4, x8, x16
Max # of PCI Express Lanes ?	48
Package Specifications	
Sockets Supported ?	FCLGA2066
Max CPU Configuration	1
T _{CASE} ?	64
Package Size	45mm x 52.5mm
Low Halogen Options Available	No
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™ Platform Eligibility ‡ 👔	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 ?	64-bit
Instruction Set Extensions	/X2, Intel® AVX-512
# of AVX-512 FMA Units 🔞	2
Idle States ?	Yes
Enhanced Intel SpeedStep® Technology (?)	Yes
Intel® Demand Based Switching (?)	Yes
Thermal Monitoring Technologies 🔞	Yes
Intel® Flex Memory Access 🔞	
inter rexistentially recess to	No
Intel® Identity Protection Technology ‡ ?	No Yes



More support options for Intel® Xeon® W-2135 Processor (8.25M Cache, 3.70 GHz)





Downloads and Software



Support Community



Warranty and Replacement



Need more help?

Contact support



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

‡ 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.

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.

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

 $\hbox{``Announced'' SKUs are not yet available. Please refer to the Launch Date for market availability.}$

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.

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.

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

Check http://ipt.intel.com/ for systems that support Intel® Identity Protection Technology (Intel® IPT).

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



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