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## Intel® Xeon® Processor E5-2630 v4 (25M Cache, 2.20 GHz)

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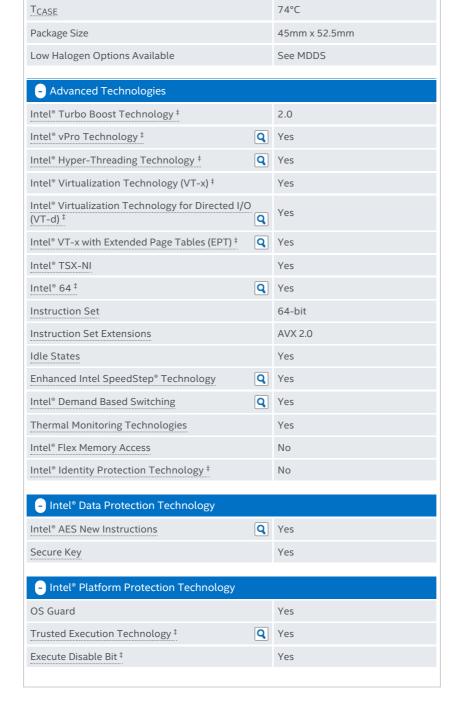
Specifications				
- Essentials				
Processor Number	E5-2630V4			
Status	Launched			
Launch Date	Q1'16			
Lithography	14 nm			
Recommended Customer Price	-			
- Performance				
# of Cores	10			
# of Threads	20			
Processor Base Frequency	2.20 GHz			
Max Turbo Frequency	3.10 GHz			
Cache	25 MB SmartCache			
Bus Speed	8 GT/s QPI			
# of QPI Links	2			
TDP	85 W			
VID Voltage Range	0			

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Supplemental Information					
Embedded Options Available	No				
Conflict Free	Yes				
Datasheet	Link				
- Memory Specifications					
Max Memory Size (dependent on memory type)	1.54 TB				
Memory Types	DDR4 1600/1866/2133				
Max # of Memory Channels	4				
Max Memory Bandwidth	68.3 GB/s				
Physical Address Extensions	46-bit				
ECC Memory Supported ‡	Yes				
- Graphics Specifications					
Processor Graphics ‡	None				
Processor Graphics *	None				
- Expansion Options					
Scalability	2S				
PCI Express Revision	3.0				
PCI Express Configurations ‡	x4, x8, x16				
Max # of PCI Express Lanes	40				
Package Specifications					
- Package Specifications					
Sockets Supported	FCLGA2011-3				

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May CDU Configuration



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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.

"Conflict free" and "conflict-free" means "DRC conflict free", which is defined by the U.S. Securities and Exchange Commission rules to mean products that do not contain conflict minerals (tin, tantalum, tungsten and/or gold) that directly or indirectly finance or benefit armed groups in the Democratic Republic of the Congo (DRC) or adjoining countries. Intel also uses the term "conflict-free" in a broader sense to refer to suppliers, supply chains, smelters and refiners whose sources of conflict minerals do not finance conflict for adjoining countries. Intel processors manufactured before January 1, 2013 are not confirmed conflict free. The conflict free designation refers only to product manufactured after that date. For Intel Boxed Processors, the conflict free designation refers to the processor only, not to any additional included accessories, such as heatsinks/coolers.

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

 $Max\ Turbo\ Frequency\ refers\ to\ the\ maximum\ single-core\ processor\ frequency\ that\ can\ be\ achieved\ with\ Intel^{\it o}\ Turbo\ Boost\ Technology.\ See\ {\it www.intel.com/technology/turboboost/}\ for\ more\ information.$ 

The Recommended Customer -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 <a href="http://www.intel.com/content/www/us/en/processors/processor-numbers.html">http://www.intel.com/content/www/us/en/processors/processor-numbers.html</a> for details.

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





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