


Intel® Xeon® Processor E5-2630
(15M Cache, 2.30 GHz, 7.20 GT/s Intel® QPI)

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Specifications



Essentials

Status	Launched				
Launch Date	Q1'12				
Processor Number	E5-2630				
Intel® Smart Cache	15 MB				
Intel® QPI Speed	7.2 GT/s				
# of QPI Links	2				
Instruction Set	64-bit				
Instruction Set Extensions	AVX				
Embedded Options Available		No			
Lithography	32 nm				
Scalability	2S Only				
VID Voltage Range	0.60V-1.35V				
Recommended Customer Price	BOX : \$616.00 TRAY: \$612.00				
Datasheet	Link				

Performance

# of Cores	6		
# of Threads	12		
Processor Base Frequency	2.3 GHz		
Max Turbo Frequency	2.8 GHz		
TDP	95 W		

Memory Specifications

Max Memory Size (dependent on memory type)	384 GB		
Memory Types	DDR3 800/1066/1333		
Max # of Memory Channels	4		
Max Memory Bandwidth	42.6 GB/s		
ECC Memory Supported *			















Expansion Options

PCI Express Revision	3.0		
Max # of PCI Express Lanes	40		


Package Specifications

Max CPU Configuration	2		
T _{CASE}	77.4°C		
Package Size	52.5mm x 45.0mm		
Sockets Supported	FCLGA2011		
Low Halogen Options Available	See MDDS		




Advanced Technologies

Intel® Turbo Boost Technology *	1.0				
Intel® vPro Technology *					
Intel® Hyper-Threading Technology *					
Intel® Virtualization Technology (VT-x) *					
Intel® Virtualization Technology for Directed I/O (VT-d) *					
Intel® VT-x with Extended Page Tables (EPT) *					
Intel® 64 *					
Idle States					
Enhanced Intel SpeedStep® Technology					
Intel® Demand Based Switching					
Thermal Monitoring Technologies					
Intel® Flex Memory Access	No				
Intel® Identity Protection Technology *	No				

Intel® Data Protection Technology

AES New Instructions			
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Intel® Platform Protection Technology

Trusted Execution Technology *			
Execute Disable Bit *			

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