



HP Intel Xeon E5-2630 processor 2.3 GHz

Brand : HP

Product code: 662339-L21

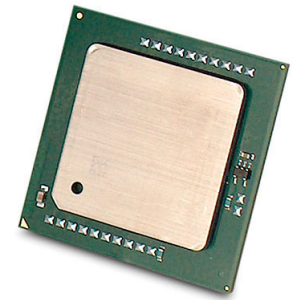
Product name : Intel Xeon E5-2630

SL270s Gen8 Intel Xeon E5-2630 (2.3GHz, 6-core, 15MB, 95W) FIO Processor Kit

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The Intel Xeon E5 delivers up to 2.1 times more performance in raw FLOPS (Floating Point Operations Per Second as measured by Linpack) and up to 70 percent more performance using real-HPC workloads compared to the previous generation of Intel Xeon 5600 series processors.

HP Intel Xeon E5-2630. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 32 nm. Memory types supported by processor: DDR3-SDRAM, Memory clock speeds supported by processor: 1333 MHz. Market segment: Server



Processor		Graphics	
Processor model *	E5-2630	On-board graphics card *	✗
Processor base frequency *	2.3 GHz	Features	
Processor family *	Intel® Xeon® E5 Family	Execute Disable Bit	✓
Processor cores *	6	Idle States	✓
Processor socket *	LGA 2011 (Socket R)	Thermal Monitoring Technologies	✓
Component for	Server/workstation	Market segment	Server
Processor lithography *	32 nm	Processor special features	
Processor threads	12	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	7.2 GT/s	Intel® Turbo Boost Technology	✓
Processor operating modes *	64-bit	Intel Flex Memory Access	✓
Processor boost frequency	2.8 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	95 W	Enhanced Intel SpeedStep Technology	✓
VID Voltage Range	0.6 - 1.35 V	Intel Trusted Execution Technology	✓
Bus type	QPI	Intel VT-x with Extended Page Tables (EPT)	✓
CPU multiplier (bus/core ratio)	28	Intel Demand Based Switching	✓
Number of QPI links	2	Intel® vPro™ Platform Eligibility	✓
Memory bandwidth supported by processor (max)	42.6 GB/s	Operational conditions	
Memory		Tcase	77.4 °C
Memory types supported by processor	DDR3-SDRAM		
Memory clock speeds supported by processor	1333 MHz		
ECC	✓		

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