

Intel Xeon E5-2620 processor 2 GHz 15 MB Smart Cache

Brand : Intel

Product family: Xeon

Product code:
CM8062101048401

Product name : E5-2620




Intel® Xeon® Processor E5-2620

(15M Cache, 2.00 GHz, 7.20 GT/s Intel® QPI)

Intel Xeon E5-2620. Processor family: Intel® Xeon® E5 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 32 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 384 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: 2S. Package type: Retail box. Processor package size: 52.5mm x 45mm

Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E5-2620	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor base frequency *	2 GHz	Intel® Turbo Boost Technology	1.0
Processor family *	Intel® Xeon® E5 Family	Intel Flex Memory Access	✗
Processor cores *	6	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 2011 (Socket R)	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	32 nm	Intel Enhanced Halt State	✓
Processor series	Intel Xeon E5-2600	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	12	Intel Demand Based Switching	✓
System bus rate	7.2 GT/s	Intel 64	✓
Processor operating modes *	64-bit	Intel Identity Protection Technology version	0.00
Processor boost frequency	2.5 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	15 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache type	Smart Cache	Conflict-Free processor	✗
Thermal Design Power (TDP)	95 W	Intel® vPro™ Platform Eligibility	✓
Box *	✗	Operational conditions	
Cooler included *	✗	Maximum operating temperature	77.4 °C
VID Voltage Range	0.6 - 1.35 V	Tcase	77.4 °C
Bus type	QPI	Technical details	
CPU multiplier (bus/core ratio)	25	Bus bandwidth	7.2
Number of QPI links	2	Bus type units	GT/s
Memory bandwidth supported by processor (max)	42.6 GB/s	Launch date	Q1'12
Processor ARK ID	64594	Processor cache	15360 KB
Memory		Product type	Processor
Maximum internal memory supported by processor	384 GB	Status	Discontinued
Memory types supported by processor	DDR3-SDRAM	Maximum memory	384 GB
Memory clock speeds supported by processor	800,1066,1333 MHz	Processor brand name	Intel Xeon
Memory channels *	Quad-channel	Supported memory types	DDR3-SDRAM
ECC	✓	Last change	63903513
Features		Product family	Intel Xeon Processor E5 Family
Execute Disable Bit	✓	Bus speed	7.2 GT/s
Idle States	✓	Logistics data	
Thermal Monitoring Technologies	✓	Harmonized System (HS) code	8542310001
Market segment	Server		
Maximum number of PCI Express lanes	40		
PCI Express slots version	3.0		
Supported instruction sets	AVX		

Features		Packaging data	
Scalability	25	Package type	Retail box
CPU configuration (max)	2	Weight & dimensions	
Embedded options available	✓	Processor package size	52.5mm x 45mm
PCI Express CEM revision	3.0	Other features	
Export Control Classification Number (ECCN)	5A992C	Maximum internal memory	384 GB
Commodity Classification Automated Tracking System (CCATS)	G077159	Maximum internal memory	393216 MB
Images Type Map			



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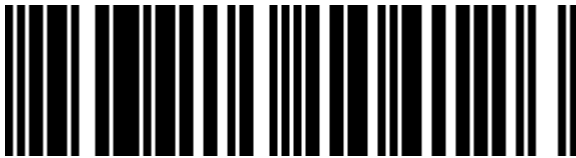
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