

Intel Xeon E5-2620V2 processor 2.1 GHz 15 MB Smart Cache

Brand : Intel

Product family: Xeon

Product code:
CM8063501288301

Product name : E5-2620V2

Intel® Xeon® Processor E5-2620 v2
(15M Cache, 2.10 GHz)

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The explosive growth of unstructured data puts new demands on network and storage infrastructure and challenges your ability to deliver services such as cloud computing. IT needs to respond rapidly to new and changing business demands, scale quickly and appropriately to fluctuating workloads, accommodate business expansions, and protect your data from cybercriminals—all while keeping costs down.

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Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Turbo Boost Technology	2.0
Processor model *	E5-2620V2	Intel Flex Memory Access	✗
Processor base frequency *	2.1 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® E5 Family	Enhanced Intel SpeedStep Technology	✓
Processor cores *	6	Intel Trusted Execution Technology	✓
Processor socket *	LGA 2011 (Socket R)	Intel® Turbo Boost Technology 2.0 frequency	2.6 GHz
Component for	Server/workstation	Intel® Transactional Synchronization Extensions	✗
Processor lithography *	22 nm	Intel Enhanced Halt State	✓
Processor series	Intel Xeon E5-2600 v2	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	12	Intel Demand Based Switching	✓
System bus rate	7.2 GT/s	Intel® Secure Key	✓
Processor operating modes *	64-bit	Intel TSX-NI	✗
Processor boost frequency	2.6 GHz	Intel® OS Guard	✓
Processor cache	15 MB	Intel 64	✓
Processor cache type	Smart Cache	Intel Identity Protection Technology version	0.00
Thermal Design Power (TDP)	80 W	Intel Secure Key Technology version	1.00
Box *	✗	Intel Virtualization Technology (VT-x)	✓
Cooler included *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
VID Voltage Range	0.65 - 1.3 V	Intel TSX-NI version	0.00
Bus type	QPI	Conflict-Free processor	✗
Number of QPI links	2	Intel® vPro™ Platform Eligibility	✓
Memory bandwidth supported by processor (max)	51.2 GB/s		
Processor codename	Ivy Bridge EP		
Processor ARK ID	75789		
Memory		Operational conditions	
Maximum internal memory supported by processor	768 GB	Tcase	71 °C
Memory types supported by processor	DDR3-SDRAM		
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Technical details	
Memory channels *	Quad-channel	Bus bandwidth	7.2
ECC	✓	Bus type units	GT/s
		Launch date	Q3'13

Graphics		Technical details	
On-board graphics card *	✘	Processor cache	15360 KB
Features		Product type	Processor
Execute Disable Bit	✓	Status	Launched
Idle States	✓	Maximum memory	768 GB
Thermal Monitoring Technologies	✓	Processor brand name	Intel Xeon
Market segment	Server	Supported memory types	DDR3-SDRAM
Maximum number of PCI Express lanes	40	Last change	63903513
PCI Express slots version	3.0	Product family	Intel Xeon Processor E5 v2 Family
Supported instruction sets	AVX	Bus speed	7.2 GT/s
Scalability	2S	Logistics data	
CPU configuration (max)	2	Harmonized System (HS) code	8542310001
Embedded options available	✘	Packaging data	
Physical Address Extension (PAE)	46 bit	Package width	44 mm
PCI Express CEM revision	3.0	Package depth	140 mm
Export Control Classification Number (ECCN)	5A992C	Package height	117 mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Package weight	130 g
Processor special features		Package type	Retail box
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Weight & dimensions	
Intel® Identity Protection Technology (Intel® IPT)	✘	Processor package size	52.5mm x 45mm
		Other features	
		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum internal memory	768 GB
		Maximum internal memory	786432 MB



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