

Intel Xeon E5-2630V4 processor 2.2 GHz 25 MB Smart Cache Box

Brand : Intel

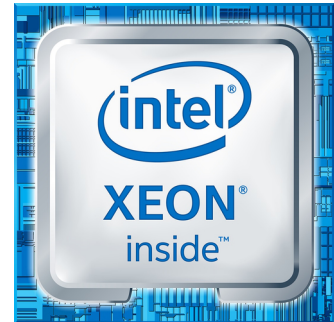
Product family: Xeon

Product code:
BX80660E52630V4

Product name : E5-2630V4

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

Intel Xeon E5-2630V4. Processor family: Intel® Xeon® E5 v4, Processor socket: LGA 2011-v3, Processor lithography: 14 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.54 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, PCI Express configurations: 1x16, 1x4, 1x8, Supported instruction sets: AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 3.1 GHz. Package width: 44 mm, Package depth: 140 mm, Package height: 117 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor model *	E5-2630V4	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2.2 GHz	Intel Flex Memory Access	✗
Processor family *	Intel® Xeon® E5 v4	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cores *	10	Enhanced Intel SpeedStep Technology	✓
Processor socket *	LGA 2011-v3	Intel Trusted Execution Technology	✓
Component for	Server/workstation	Intel® Turbo Boost Technology 2.0 frequency	3.1 GHz
Processor lithography *	14 nm	Intel® Transactional Synchronization Extensions	✓
Processor series	Intel Xeon E5-2600 v4	Intel Enhanced Halt State	✓
Processor threads	20	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	8 GT/s	Intel Demand Based Switching	✓
Processor operating modes *	64-bit	Intel® Secure Key	✓
Processor boost frequency	3.1 GHz	Intel TSX-NI	✓
Processor cache	25 MB	Intel® OS Guard	✓
Processor cache type	Smart Cache	Intel 64	✓
Thermal Design Power (TDP)	85 W	Intel Identity Protection Technology version	0.00
Box *	✓	Intel Secure Key Technology version	1.00
Cooler included *	✓	Intel Virtualization Technology (VT-x)	✓
Bus type	QPI	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Number of QPI links	2	Intel TSX-NI version	1.00
Memory bandwidth supported by processor (max)	68.3 GB/s	Conflict-Free processor	✓
Processor codename	Broadwell	Intel® vPro™ Platform Eligibility	✓
Processor ARK ID	92981		
Memory			
Maximum internal memory supported by processor	1.54 TB		
Memory types supported by processor	DDR4-SDRAM		

Memory		Operational conditions	
Memory clock speeds supported by processor	1600,1866,2133 MHz	Tcase	74 °C
Memory channels *	Quad-channel	Technical details	
ECC	✓	Bus bandwidth	8
Graphics		Bus type units	GT/s
On-board graphics card *	✗	Launch date	Q1'16
Discrete graphics card *	✗	Processor cache	25600 KB
On-board graphics card model *	Not available	Product type	Processor
Discrete graphics card model *	Not available	Status	Launched
Features		Processor brand name	Intel Xeon
Execute Disable Bit	✓	Supported memory types	DDR4-SDRAM
Idle States	✓	Last change	63903513
Thermal Monitoring Technologies	✓	Product family	Intel Xeon Processor E5 v4 Family
Market segment	Server	Bus speed	8 GT/s
Maximum number of PCI Express lanes	40	Servicing status	End of Servicing Updates
PCI Express slots version	3.0	End of servicing updates date	Thursday, June 30, 2022
PCI Express configurations	1x16, 1x4, 1x8	Logistics data	
Supported instruction sets	AVX 2.0	Harmonized System (HS) code	85423119
Scalability	2S	Packaging data	
Physical Address Extension (PAE)	✓	Package width	44 mm
CPU configuration (max)	2	Package depth	140 mm
Embedded options available	✗	Package height	117 mm
Physical Address Extension (PAE)	46 bit	Package type	Retail box
PCI Express CEM revision	3.0	Weight & dimensions	
Export Control Classification Number (ECCN)	5A992C	Processor package size	45mm x 52.5mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Other features	
Processor special features		Maximum internal memory	1.5 TB
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Maximum internal memory	1572864 MB



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