

Intel Xeon E7-8867V3 processor 2.5 GHz 45 MB L3

Brand : Intel

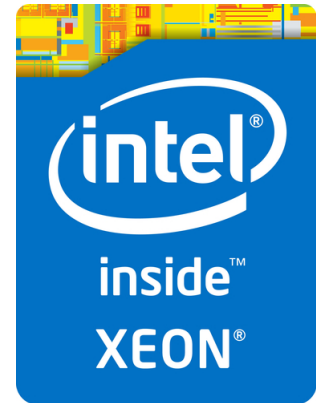
Product family: Xeon

Product code:
CM8064502025001

Product name : E7-8867V3

Intel® Xeon® Processor E7-8867 v3
(45M Cache, 2.50 GHz)

Intel Xeon E7-8867V3. Processor family: Intel® Xeon® E7 v3, Processor socket: LGA 2011 (Socket R), Processor lithography: 22 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 1.54 TB, Memory types supported by processor: DDR4-SDRAM, DDR3-SDRAM. Market segment: Server, PCI Express configurations: x4, x8, x16, Supported instruction sets: AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 3.3 GHz. Processor package size: 52mm x 45mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E7-8867V3	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2.5 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® E7 v3	Enhanced Intel SpeedStep Technology	✓
Processor cores *	16	Intel Trusted Execution Technology	✓
Processor socket *	LGA 2011 (Socket R)	Intel® Turbo Boost Technology 2.0 frequency	3.3 GHz
Component for	Server/workstation	Intel® Transactional Synchronization Extensions	✓
Processor lithography *	22 nm	Intel Enhanced Halt State	✓
Processor series	Intel Xeon E7-8800 v3	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	32	Intel® Secure Key	✓
System bus rate	9.6 GT/s	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel® OS Guard	✓
Processor boost frequency	3.3 GHz	Intel Instruction Replay Technology	✗
Processor cache	45 MB	Intel 64	✓
Processor cache type	L3	Intel Instruction Replay Technology version	0.00
Thermal Design Power (TDP)	165 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)	✓
Stepping	E0	Intel TSX-NI version	1.00
Bus type	QPI	Conflict-Free processor	✓
Number of QPI links	3		
Memory bandwidth supported by processor (max)	85 GB/s		
Processor codename	Haswell		
Processor code	SR228		
Processor ARK ID	84681		

Memory		Operational conditions	
Maximum internal memory supported by processor	1.54 TB	Tcase	79 °C
Memory types supported by processor	DDR4-SDRAM, DDR3-SDRAM	Technical details	
Memory clock speeds supported by processor	1333,1600,1866,1066 MHz	Born on date	Q2'15
Memory channels *	Quad-channel	Bus bandwidth	9.6
ECC	✓	Bus type units	GT/s
Graphics		Launch date	Q2'15
On-board graphics card *	✗	Processor cache	46080 KB
On-board graphics card model *	Not available	Product name	Intel Xeon E7-8867 v3 (45M Cache, 2.50 GHz)
Features		Product type	Processor
Execute Disable Bit	✓	Status	Launched
Idle States	✓	Maximum memory	1.54 TB
Thermal Monitoring Technologies	✓	Processor brand name	Intel Xeon v2
Market segment	Server	Supported memory types	DDR4-SDRAM, DDR3-SDRAM
Maximum number of PCI Express lanes	32	Last change	63903513
PCI Express slots version	3.0	Product family	Intel Xeon Processor E7 v3 Family
PCI Express configurations	x4, x8, x16	Bus speed	9.6 GT/s
Supported instruction sets	AVX 2.0	Servicing status	End of Servicing Updates
Scalability	S8S	End of servicing updates date	Friday, December 31, 2021
Physical Address Extension (PAE)	✓	Logistics data	
CPU configuration (max)	8	Harmonized System (HS) code	8542310001
Embedded options available	✗	Weight & dimensions	
Physical Address Extension (PAE)	46 bit	Processor package size	52mm x 45mm
PCI Express CEM revision	3.0	Other features	
Export Control Classification Number (ECCN)	5A992C	Intel® Virtualization Technology (Intel® VT)	VT-x, VT-d
Commodity Classification Automated Tracking System (CCATS)	G077159	Maximum internal memory	1.5 TB
		Maximum internal memory	1572864 MB
		Cache memory	45 MB

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