

Intel Xeon E7-8880LV3 processor 2 GHz 45 MB Last Level Cache

Brand : Intel

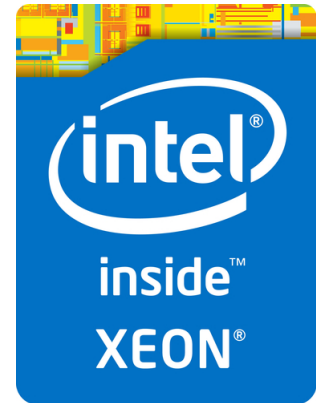
Product family: Xeon

Product code:
CM8064501552522

Product name : E7-8880LV3

Intel® Xeon® Processor E7-8880L v3
(45M Cache, 2.00 GHz)

Intel Xeon E7-8880LV3. 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: 2.8 GHz. Processor package size: 52mm x 45mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E7-8880LV3	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® E7 v3	Enhanced Intel SpeedStep Technology	✓
Processor cores *	18	Intel Trusted Execution Technology	✓
Processor socket *	LGA 2011 (Socket R)	Intel® Turbo Boost Technology 2.0 frequency	2.8 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	36	Intel® Secure Key	✓
System bus rate	9.6 GT/s	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel® OS Guard	✓
Processor boost frequency	2.8 GHz	Intel Instruction Replay Technology	✗
Processor cache	45 MB	Intel 64	✓
Processor cache type	Last Level Cache	Intel Instruction Replay Technology version	0.00
Thermal Design Power (TDP)	115 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	SR227		
Processor ARK ID	84684		

Memory		Operational conditions	
Maximum internal memory supported by processor	1.54 TB	Tcase	70 °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 E7-8880L v3 (45M Cache, 2.00 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

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.