

Intel Xeon E3-1220V5 processor 3 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code:
BX80662E31220V5

Product name : E3-1220V5

Intel® Xeon® Processor E3-1220 v5
(8M Cache, 3.00 GHz)

Intel Xeon E3-1220V5. Processor family: Intel® Xeon® E3 v5, Processor socket: LGA 1151 (Socket H4), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 64 GB, Memory types supported by processor: DDR4-SDRAM, DDR3L-SDRAM. Market segment: Server, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 3.5 GHz. Package width: 70 mm, Package depth: 116 mm, Package height: 101 mm

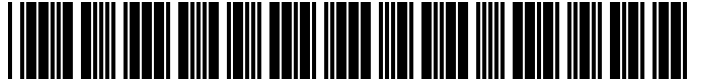


Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor model *	E3-1220V5	Enhanced Intel SpeedStep Technology	✓
Processor base frequency *	3 GHz	Intel Trusted Execution Technology	✓
Processor family *	Intel® Xeon® E3 v5	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor cores *	4	Intel® Turbo Boost Technology 2.0 frequency	3.5 GHz
Processor socket *	LGA 1151 (Socket H4)	Intel® Transactional Synchronization Extensions	✓
Component for	Server/workstation	Intel Enhanced Halt State	✓
Processor lithography *	14 nm	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Processor series	Intel Xeon E3-1200 v5	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	4	Intel® Secure Key	✓
System bus rate	8 GT/s	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel® OS Guard	✓
Processor boost frequency	3.5 GHz	Intel Clear Video Technology	✗
Processor cache	8 MB	Intel Software Guard Extensions (Intel SGX)	✓
Processor cache type	Smart Cache	Intel 64	✓
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	0.55 - 1.52 V		
Stepping	R0		
Bus type	QPI		
Memory bandwidth supported by processor (max)	34.1 GB/s		
Processor codename	Skylake		
Processor code	SR2LG		
Processor ARK ID	88172		

Memory		Processor special features	
Maximum internal memory supported by processor	64 GB	Intel TSX-NI version	1.00
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM	Conflict-Free processor	✓
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel® Boot Guard	✓
Memory voltage supported by processor	1.35 V	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Dual-channel	Technical details	
ECC	✓	Bus bandwidth	8
Graphics		Bus type units	GT/s
On-board graphics card *	✗	Launch date	Q4'15
On-board graphics card 4K support	✗	Maximum resolution & refresh rate (DisplayPort)	N/A
Features		Maximum resolution & refresh rate (HDMI)	N/A
Execute Disable Bit	✓	Maximum resolution & refresh rate (Integrated Flat Panel)	N/A
Idle States	✓	Maximum resolution & refresh rate (VGA)	N/A
Thermal Monitoring Technologies	✓	Processor cache	8192 KB
Market segment	Server	Product type	Processor
Maximum number of PCI Express lanes	16	Status	Discontinued
PCI Express slots version	3.0	Maximum memory	64 GB
PCI Express configurations	1x16, 2x8, 1x8+2x4	Processor brand name	Intel Xeon
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
Scalability	1S	Last change	63903513
CPU configuration (max)	1	Maximum resolution (WiDi)	N/A
Embedded options available	✗	Product family	Intel Xeon Processor E3 v5 Family
Graphics & IMC lithography	14 nm	Bus speed	8 GT/s
PCI Express CEM revision	3.0	Logistics data	
Export Control Classification Number (ECCN)	5A992C	Harmonized System (HS) code	8542310001
Commodity Classification Automated Tracking System (CCATS)	G077159	Packaging data	
Processor special features		Package width	70 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✗	Package depth	116 mm
Intel® Turbo Boost Technology	2.0	Package height	101 mm
Intel® Quick Sync Video Technology	✗	Package weight	373 g
Intel® InTru™ 3D Technology	✗	Package type	Retail box
Intel® Wireless Display (Intel® WiDi)	✗	Weight & dimensions	
Intel® Clear Video HD Technology (Intel® CVT HD)	✗	Processor package size	37.5 x 37.5 mm
Intel® Insider™	✗	Other features	
		Compatibility	Intel Server System R1304SPOSHBN Intel Server System R1304SPOSHOR Intel Server System R1208SPOSHOR Intel Server Board S1200SPL Intel Server Board S1200SPS Intel Server Board S1200SPO
		Maximum internal memory	64 GB
		Maximum internal memory	65536 MB
		Graphics output	N/A



0675901353014



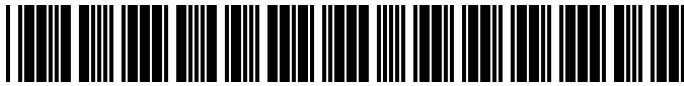
675901353014



5032037077101



0675901377775



675901377775



0735858302036



735858302036

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.