

Intel Xeon E3-1230V5 processor 3.4 GHz 8 MB Smart Cache Box

Brand : Intel

Product family: Xeon

Product code:
BX80662E31230V5

Product name : E3-1230V5

Intel® Xeon® Processor E3-1230 v5
(8M Cache, 3.40 GHz)

Intel Xeon E3-1230V5. 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: 3.8 GHz. Package width: 70 mm, Package depth: 116 mm, Package height: 101 mm

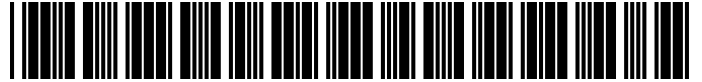


Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Insider™	✗
Processor model *	E3-1230V5	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor base frequency *	3.4 GHz	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel® Xeon® E3 v5	Intel Trusted Execution Technology	✓
Processor cores *	4	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® Turbo Boost Technology 2.0 frequency	3.8 GHz
Component for	Server/workstation	Intel® Transactional Synchronization Extensions	✓
Processor lithography *	14 nm	Intel Enhanced Halt State	✓
Processor series	Intel Xeon E3-1200 v5	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Processor threads	8	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	8 GT/s	Intel® Secure Key	✓
Processor operating modes *	64-bit	Intel TSX-NI	✓
Processor boost frequency	3.8 GHz	Intel® OS Guard	✓
Processor cache	8 MB	Intel Clear Video Technology	✗
Processor cache type	Smart Cache	Intel Software Guard Extensions (Intel SGX)	✓
Thermal Design Power (TDP)	80 W	Intel 64	✓
Box *	✓	Intel Secure Key Technology version	1.00
Cooler included *	✓	Intel Virtualization Technology (VT-x)	✓
VID Voltage Range	0.55 - 1.52 V		
Stepping	R0		
Bus type	DMI3		
Memory bandwidth supported by processor (max)	34.1 GB/s		
Processor codename	Skylake		
Processor code	SR2LE		
Processor ARK ID	88182		

Memory		Processor special features	
Maximum internal memory supported by processor	64 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM	Intel TSX-NI version	1.00
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Conflict-Free processor	✓
Memory voltage supported by processor	1.35 V	Intel® Boot Guard	✓
Memory channels *	Dual-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	Technical details	
Graphics		Bus bandwidth	8
On-board graphics card *	✗	Bus type units	GT/s
Discrete graphics card *	✗	Launch date	Q4'15
On-board graphics card model *	Not available	Maximum resolution & refresh rate (DisplayPort)	N/A
On-board graphics card 4K support	✗	Maximum resolution & refresh rate (HDMI)	N/A
Discrete graphics card model *	Not available	Maximum resolution & refresh rate (Integrated Flat Panel)	N/A
Features		Maximum resolution & refresh rate (VGA)	N/A
Execute Disable Bit	✓	Processor cache	8192 KB
Idle States	✓	Product type	Processor
Thermal Monitoring Technologies	✓	Status	Launched
Market segment	Server	Maximum memory	64 GB
Maximum number of PCI Express lanes	16	Processor brand name	Intel Xeon
PCI Express slots version	3.0	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
PCI Express configurations	1x16, 2x8, 1x8+2x4	Last change	63903513
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Maximum resolution (WiDi)	N/A
Scalability	1S	Product family	Intel Xeon Processor E3 v5 Family
CPU configuration (max)	1	Bus speed	8 GT/s
Embedded options available	✗	Logistics data	
Graphics & IMC lithography	14 nm	Harmonized System (HS) code	85423119
PCI Express CEM revision	3.0	Packaging data	
Export Control Classification Number (ECCN)	5A992C	Package width	70 mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Package depth	116 mm
Processor special features		Package height	101 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Package weight	373 g
Intel® Turbo Boost Technology	2.0	Package type	Retail box
Intel® Quick Sync Video Technology	✗	Weight & dimensions	
Intel® InTru™ 3D Technology	✗	Processor package size	37.5 x 37.5 mm
Intel® Wireless Display (Intel® WiDi)	✗	Other features	
Intel® Clear Video HD Technology (Intel® CVT HD)	✗	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



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