

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

Brand : Intel

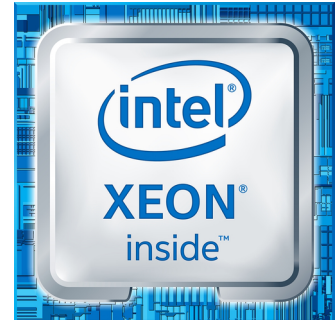
Product family: Xeon

Product code:
CM8066201921804

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 type: Retail box



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor model *	E3-1220V5	Intel® Insider™	✗
Processor base frequency *	3 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Xeon® E3 v5	Enhanced Intel SpeedStep Technology	✓
Processor cores *	4	Intel Trusted Execution Technology	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® Memory Protection Extensions (Intel® MPX)	✓
Component for	Server/workstation	Intel® Turbo Boost Technology 2.0 frequency	3.5 GHz
Processor lithography *	14 nm	Intel® Transactional Synchronization Extensions	✓
Processor series	Intel Xeon E3-1200 v5	Intel Enhanced Halt State	✓
Processor threads	4	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
System bus rate	8 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel® Secure Key	✓
Processor boost frequency	3.5 GHz	Intel TSX-NI	✓
Processor cache	8 MB	Intel® OS Guard	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	✗
Thermal Design Power (TDP)	80 W	Intel Software Guard Extensions (Intel SGX)	✓
Box *	✗	Intel 64	✓
Cooler included *	✗	Intel Secure Key Technology version 1.00	✓
VID Voltage Range	0.55 - 1.52 V	Intel Virtualization Technology (VT-x)	✓
Stepping	R0	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Bus type	QPI		
Memory bandwidth supported by processor (max)	34.1 GB/s		
Processor codename	Skylake		
Processor code	SR2LG		
Processor ARK ID	88172		
Memory			
Maximum internal memory supported by processor	64 GB		

Memory		Processor special features	
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
On-board graphics card 4K support	✗	Launch date	Q4'15
Features		Maximum resolution & refresh rate (DisplayPort)	N/A
Execute Disable Bit	✓	Maximum resolution & refresh rate (HDMI)	N/A
Idle States	✓	Maximum resolution & refresh rate (Integrated Flat Panel)	N/A
Thermal Monitoring Technologies	✓	Maximum resolution & refresh rate (VGA)	N/A
Market segment	Server	Processor cache	8192 KB
Maximum number of PCI Express lanes	16	Product type	Processor
PCI Express slots version	3.0	Status	Discontinued
PCI Express configurations	1x16, 2x8, 1x8+2x4	Maximum memory	64 GB
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Processor brand name	Intel Xeon
Scalability	1S	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
CPU configuration (max)	1	Last change	63903513
Embedded options available	✗	Maximum resolution (WiDi)	N/A
Graphics & IMC lithography	14 nm	Product family	Intel Xeon Processor E3 v5 Family
PCI Express CEM revision	3.0	Bus speed	8 GT/s
Export Control Classification Number (ECCN)	5A992C	Logistics data	
Commodity Classification Automated Tracking System (CCATS)	G077159	Harmonized System (HS) code	85423119
Processor special features		Packaging data	
Intel® Hyper Threading Technology (Intel® HT Technology)	✗	Package type	Retail box
Intel® Turbo Boost Technology	2.0	Weight & dimensions	
Intel® Quick Sync Video Technology	✗	Processor package size	37.5 x 37.5 mm
Intel® InTru™ 3D Technology	✗	Other features	
Intel® Wireless Display (Intel® WiDi)	✗	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



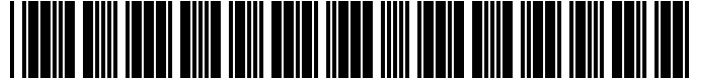
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