

Intel Xeon E3-1275V5 processor 3.6 GHz 8 MB Smart Cache Box

Brand : Intel

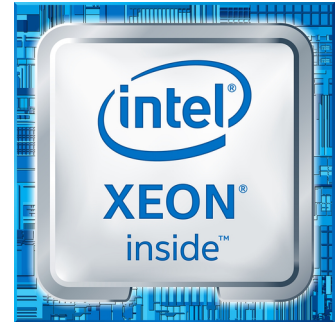
Product family: Xeon

Product code:
BX80662E31275V5

Product name : E3-1275V5

Intel® Xeon® Processor E3-1275 v5
(8M Cache, 3.60 GHz)

Intel Xeon E3-1275V5. 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. On-board graphics card model: Intel® HD Graphics P530, Maximum on-board graphics card memory: 64 GB, On-board graphics card outputs supported: Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI. 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: 4 GHz

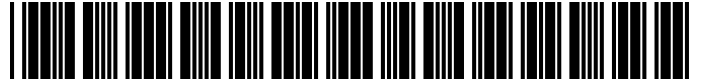


Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E3-1275V5	Intel® Turbo Boost Technology	2.0
Processor base frequency *	3.6 GHz	Intel® Quick Sync Video Technology	✓
Processor family *	Intel® Xeon® E3 v5	Intel® InTru™ 3D Technology	✓
Processor cores *	4	Intel® Wireless Display (Intel® WiDi)	✓
Processor socket *	LGA 1151 (Socket H4)	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Component for	Server/workstation	Intel® Insider™	✓
Processor lithography *	14 nm	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor series	Intel Xeon E3-1200 v5	Enhanced Intel SpeedStep Technology	✓
Processor threads	8	Intel Trusted Execution Technology	✓
System bus rate	8 GT/s	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology 2.0 frequency	4 GHz
Processor boost frequency	4 GHz	Intel® Transactional Synchronization Extensions	✓
Processor cache	8 MB	Intel Enhanced Halt State	✓
Processor cache type	Smart Cache	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Thermal Design Power (TDP)	80 W	Intel VT-x with Extended Page Tables (EPT)	✓
Box *	✓	Intel® Secure Key	✓
Cooler included *	✓	Intel TSX-NI	✓
VID Voltage Range	0.55 - 1.52 V	Intel® OS Guard	✓
Stepping	R0	Intel Clear Video Technology	✓
Bus type	DMI3		
Memory bandwidth supported by processor (max)	34.1 GB/s		
Processor codename	Skylake		
Processor code	SR2LK		
Processor ARK ID	88177		
Memory			
Maximum internal memory supported by processor	64 GB		

Memory		Processor special features	
Memory types supported by processor	DDR4-SDRAM, DDR3L-SDRAM	Intel Software Guard Extensions (Intel SGX)	✓
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel 64	✓
Memory voltage supported by processor	1.35 V	Intel Secure Key Technology version	1.00
Memory channels *	Dual-channel	Intel Virtualization Technology (VT-x)	✓
ECC	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel TSX-NI version	1.00
On-board graphics card *	✓	Conflict-Free processor	✓
Discrete graphics card *	✗	Intel® Boot Guard	✓
On-board graphics card model *	Intel® HD Graphics P530	Intel® vPro™ Platform Eligibility	✓
Maximum on-board graphics card memory	64 GB	Technical details	
On-board graphics card outputs supported	Embedded DisplayPort (eDP), DisplayPort, HDMI, DVI	Bus bandwidth	8
On-board graphics card base frequency	400 MHz	Bus type units	GT/s
On-board graphics card dynamic frequency (max)	1150 MHz	Launch date	Q4'15
Number of displays supported (on-board graphics)	3	Maximum resolution & refresh rate (DisplayPort)	4096x2304@60Hz
On-board graphics card 4K support	✓	Maximum resolution & refresh rate (HDMI)	4096x2304@24Hz
On-board graphics card DirectX version	12.0	Maximum resolution & refresh rate (Integrated Flat Panel)	4096x2304@60Hz
On-board graphics card OpenGL version	4.4	Maximum resolution & refresh rate (VGA)	N/A
On-board graphics card maximum resolution (DisplayPort)	4096 x 2304 pixels	Processor cache	8192 KB
On-board graphics card maximum resolution (eDP - Integrated Flat Panel)	4096 x 2304 pixels	Product type	Processor
On-board graphics card maximum resolution (HDMI)	4096 x 2304 pixels	Status	Launched
On-board graphics card refresh rate at maximum resolution (DisplayPort)	60 Hz	Maximum memory	64 GB
On-board graphics card refresh rate at maximum resolution (eDP - Integrated Flat Panel)	60 Hz	Processor brand name	Intel Xeon
On-board graphics card refresh rate at maximum resolution (HDMI)	24 Hz	Supported memory types	DDR4-SDRAM, DDR3L-SDRAM
On-board graphics card ID	0x191D	Last change	63903513
Discrete graphics card model *	Not available	Maximum resolution (WiDi)	1080p
Features		Product family	Intel Xeon Processor E3 v5 Family
Execute Disable Bit	✓	Bus speed	8 GT/s
Idle States	✓	Maximum graphics card memory	64 GB
Thermal Monitoring Technologies	✓	Processor ID	0x191D
Market segment	Server	Servicing status	End of Servicing Lifetime
Maximum number of PCI Express lanes	16	End of servicing updates date	Friday, September 30, 2022
PCI Express slots version	3.0	Logistics data	
PCI Express configurations	1x16, 2x8, 1x8+2x4	Harmonized System (HS) code	85423119
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Packaging data	
Scalability	1S	Package width	70 mm
CPU configuration (max)	1	Package depth	116 mm
Embedded options available	✓	Package height	101 mm
Graphics & IMC lithography	14 nm	Package weight	373 g
PCI Express CEM revision	3.0	Package type	Retail box
Export Control Classification Number (ECCN)	5A992C	Weight & dimensions	
Commodity Classification Automated Tracking System (CCATS)	G077159	Processor package size	37.5 x 37.5 mm
		Other features	
		Compatibility	Intel Server Board S1200SPL
		Maximum internal memory	64 GB
		Maximum internal memory	65536 MB
		Graphics output	eDP/DP/HDMI/DVI
		Video decoding	✓



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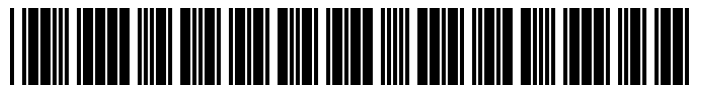
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