

Intel Xeon E5-1607V3 processor 3.1 GHz 10 MB Smart Cache

Brand : Intel

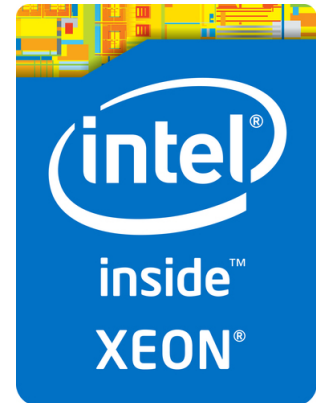
Product family: Xeon

Product code:
CM8064401736303

Product name : E5-1607V3

Intel® Xeon® Processor E5-1607 v3
(10M Cache, 3.10 GHz)

Intel Xeon E5-1607V3. Processor family: Intel Xeon E5 v3, Processor socket: LGA 2011-v3, Processor lithography: 22 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 768 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, PCI Express configurations: x4, x8, x16, Supported instruction sets: AVX 2.0. Processor package size: 52.5mm x 45mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x, Maximum internal memory: 768 GB, Maximum internal memory: 786432 MB



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	E5-1607V3	Intel® Turbo Boost Technology	✗
Processor base frequency *	3.1 GHz	Intel Flex Memory Access	✗
Processor family *	Intel Xeon E5 v3	Intel® Smart Cache	✓
Processor cores *	4	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 2011-v3	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	22 nm	Intel® Transactional Synchronization Extensions	✗
Processor threads	4	Intel Enhanced Halt State	✓
Processor operating modes *	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache	10 MB	Intel Demand Based Switching	✓
Processor cache type	Smart Cache	Intel® Secure Key	✓
Thermal Design Power (TDP)	140 W	Intel® TSX-NI	✗
Box *	✗	Intel® OS Guard	✓
Cooler included *	✗	Intel 64	✓
VID Voltage Range	0.65 - 1.3 V	Intel Identity Protection Technology version	1.00
Stepping	R2	Intel Secure Key Technology version	1.00
Bus type	QPI	Intel Virtualization Technology (VT-x)	✓
Memory bandwidth supported by processor (max)	59 GB/s	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor codename	Haswell	Intel TSX-NI version	0.00
Processor code	SR20M	Conflict-Free processor	✗
Processor ARK ID	82762	Intel® vPro™ Platform Eligibility	✓
Memory		Operational conditions	
Maximum internal memory supported by processor	768 GB	Tcase	66 °C
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	1333,1600,1866 MHz		
Memory channels *	Quad-channel		
ECC	✓		

Graphics		Technical details	
On-board graphics card *	✘	Born on date	Q3'14
Features		Bus type units	GT/s
Execute Disable Bit	✓	Launch date	Q3'14
Idle States	✓	Processor cache	10240 KB
Thermal Monitoring Technologies	✓	Processor core voltage	0.65-1.30
Market segment	Server	Product name	Intel Xeon E5-1607 v3 (10M Cache, 3.10 GHz)
Maximum number of PCI Express lanes	40	Product type	Processor
PCI Express slots version	3.0	Status	Launched
PCI Express configurations	x4, x8, x16	Maximum memory	768 GB
Supported instruction sets	AVX 2.0	Processor brand name	Intel Xeon v2
Scalability	1S	Supported memory types	DDR4-SDRAM
Physical Address Extension (PAE)	✓	Last change	63903513
CPU configuration (max)	1	Bus speed	0 GT/s
Embedded options available	✘	Servicing status	End of Servicing Updates
Physical Address Extension (PAE)	46 bit	End of servicing updates date	Thursday, December 31, 2020
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	Weight & dimensions	
Processor special features		Processor package size	52.5mm x 45mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✘	Other features	
		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
		Maximum internal memory	768 GB
		Maximum internal memory	786432 MB
		Cache memory	10 MB

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