

Intel Xeon E5-1607 v4 processor 3.1 GHz 10 MB

Brand : Intel

Product family: Xeon

Product code:
CM8066002395500

Product name : E5-1607 v4

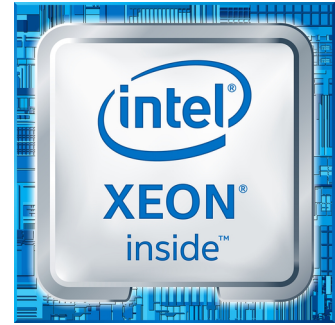


Xeon Processor E5-1607 v4 (10M Cache, 3.10 GHz)

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Intel® Trusted Execution Technology for safer computing is a versatile set of hardware extensions to Intel® processors and chipsets that enhance the digital office platform with security capabilities such as measured launch and protected execution. It enables an environment where applications can run within their own space, protected from all other software on the system.

Intel® AES New Instructions (Intel® AES-NI) are a set of instructions that enable fast and secure data encryption and decryption. AES-NI are valuable for a wide range of cryptographic applications, for example: applications that perform bulk encryption/decryption, authentication, random number generation, and authenticated encryption.



Processor		Features	
Processor manufacturer *	Intel	Scalability	1S
Processor model *	E5-1607V4	Physical Address Extension (PAE)	✓
Processor base frequency *	3.1 GHz	CPU configuration (max)	1
Processor family *	Intel® Xeon® E5 v4	Embedded options available	✗
Processor cores *	4	Physical Address Extension (PAE)	46 bit
Processor socket *	LGA 2011-v3	Processor special features	
Component for	Server/workstation	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor lithography *	14 nm	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor threads	4	Intel® Turbo Boost Technology	✗
Processor operating modes *	64-bit	Intel Flex Memory Access	✗
Processor cache	10 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	140 W	Enhanced Intel SpeedStep Technology	✓
Cooler included *	✗	Intel Trusted Execution Technology	✓
Bus type	QPI	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	68 GB/s	Intel Demand Based Switching	✓
Processor codename	Broadwell	Intel® Secure Key	✓
Processor ARK ID	93101	Intel TSX-NI	✓
Memory		Intel® OS Guard	✓
Maximum internal memory supported by processor	1.54 TB	Intel 64	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	1600,1866,2133 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Quad-channel	Conflict-Free processor	✓
ECC	✓	Intel Turbo Boost Max Technology 3.0	✗
Graphics		Intel® vPro™ Platform Eligibility	✓
On-board graphics card *	✗		

Features		Operational conditions	
Execute Disable Bit	✓	Tcase	69 °C
Idle States	✓	Weight & dimensions	
Thermal Monitoring Technologies	✓	Processor package size	52.5 x 51 mm
Market segment	Server		
Maximum number of PCI Express lanes	40		
PCI Express slots version	3.0		
PCI Express configurations	1x16, 1x4, 1x8		
Supported instruction sets	AVX 2.0		

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