



HP Intel Xeon E5-2623 V3 processor 3 GHz 10 MB L3

Brand : HP

Product code: J6F37AV

Product name : Intel Xeon E5-2623 V3

Intel Xeon E5-2623 V3 (10M Cache, 3.00 GHz) 4-core

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Intel Virtualization Technology (VT-x)

Intel Virtualization Technology (VT-x) allows one hardware platform to function as multiple “virtual” platforms. It offers improved manageability by limiting downtime and maintaining productivity by isolating computing activities into separate partitions.



Intel 64

Intel 64 architecture delivers 64-bit computing on server, workstation, desktop and mobile platforms when combined with supporting software. Intel 64 architecture improves performance by allowing systems to address more than 4 GB of both virtual and physical memory.

HP Intel Xeon E5-2623 V3. 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, Supported instruction sets: AES, AVX 2.0, Scalability: 2S

Processor		Features	
Processor model *	E5-2623V3	Idle States	✓
Processor base frequency *	3 GHz	Thermal Monitoring Technologies	✓
Processor family *	Intel Xeon E5 v3	Market segment	Server
Processor cores *	4	PCI Express slots version	3.0
Processor socket *	LGA 2011-v3	Supported instruction sets	AES, AVX 2.0
Component for	Server/workstation	Scalability	2S
Processor lithography *	22 nm	CPU configuration (max)	2
Processor threads	8	Embedded options available	✗
System bus rate	8 GT/s	Processor special features	
Processor operating modes *	32-bit, 64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3.5 GHz	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor cache	10 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	L3	Intel Flex Memory Access	✗
Thermal Design Power (TDP)	105 W	Intel® AES New Instructions (Intel® AES-NI)	✓
VID Voltage Range	0.65 - 1.30 V	Enhanced Intel SpeedStep Technology	✓
Bus type	QPI	Intel Trusted Execution Technology	✓
Number of QPI links	2	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	59 GB/s	Intel Demand Based Switching	✓
Memory		Intel® Secure Key	✓
Maximum internal memory supported by processor	768 GB	Intel TSX-NI	✗
Memory types supported by processor	DDR4-SDRAM	Intel® OS Guard	✓
Memory clock speeds supported by processor	1600,1866 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Quad-channel	Operational conditions	
ECC	✓	Tcase	80.2 °C
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		

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