



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

Brand : HP

Product code: J6F74AV

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	<b>Processor special features</b>	
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	✓
<b>Memory</b>		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	<b>Operational conditions</b>	
ECC	✓	Tcase	80.2 °C
<b>Graphics</b>			
On-board graphics card *	✗		
<b>Features</b>			
Execute Disable Bit	✓		

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