



# HP Intel Xeon E5-2603 V3 processor 1.6 GHz 15 MB L3



Brand : HP

Product code: J6F77AV

Product name : Intel Xeon E5-2603 V3

Intel Xeon E5-2603 V3 (15M Cache, 1.60 GHz) 6-core

[HP Intel Xeon E5-2603 V3 processor 1.6 GHz 15 MB L3:](#)

## 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.

Processor		Features	
Processor model *	E5-2603V3	PCI Express slots version	3.0
Processor base frequency *	1.6 GHz	Supported instruction sets	AES, AVX 2.0
Processor family *	Intel Xeon E5 v3	Scalability	2S
Processor cores *	6	CPU configuration (max)	2
Processor socket *	LGA 2011-v3	Embedded options available	✗
Component for	Server/workstation	<b>Processor special features</b>	
Processor lithography *	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor threads	6	Intel® Identity Protection Technology (Intel® IPT)	✗
System bus rate	6.4 GT/s	Intel® Turbo Boost Technology	✗
Processor operating modes *	32-bit, 64-bit	Intel Flex Memory Access	✗
Processor cache	15 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	85 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.65 - 1.30 V	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	2	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	51 GB/s	Intel TSX-NI	✗
<b>Memory</b>		Intel® OS Guard	✓
Maximum internal memory supported by processor	768 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	1600 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Quad-channel	<b>Operational conditions</b>	
ECC	✓	Tcase	72.8 °C
<b>Graphics</b>		<b>Other features</b>	
On-board graphics card *	✗	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
<b>Features</b>			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 26-DEC-2023. Prints or copies of Information are only valid on the printed Publication date