



HP Intel Xeon E5-1603 v3 processor 2.8 GHz 10 MB Smart Cache

Brand : HP

Product code: 790693-001

Product name : Intel Xeon E5-1603 v3

Intel Xeon E5-1603 v3, 10M Cache, 2.8 GHz, 0 GT/s QPI

[HP Intel Xeon E5-1603 v3 processor 2.8 GHz 10 MB Smart Cache:](#)

Options, accessories, services and support for all your HP and Compaq products.

HP Intel Xeon E5-1603 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: AVX, Scalability: 1S. Compatibility: Z440

Processor		Features	
Processor model *	E5-1603V3	Supported instruction sets	AVX
Processor base frequency *	2.8 GHz	Scalability	1S
Processor family *	Intel Xeon E5 v3	Physical Address Extension (PAE)	✓
Processor cores *	4	CPU configuration (max)	1
Processor socket *	LGA 2011-v3	Embedded options available	✗
Component for	Server/workstation	Physical Address Extension (PAE)	46 bit
Processor lithography *	22 nm	Processor special features	
Processor series	Intel Xeon E5-1600 v3	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor threads	4	Intel® Identity Protection Technology (Intel® IPT)	✓
System bus rate	0 GT/s	Intel® Turbo Boost Technology	✗
Processor operating modes *	64-bit	Intel Flex Memory Access	✗
Processor cache	10 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	140 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.65 - 1.3 V	Intel VT-x with Extended Page Tables (EPT)	✓
Stepping	R2	Intel Demand Based Switching	✓
Bus type	QPI	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	59 GB/s	Intel TSX-NI	✗
Memory		Intel® OS Guard	✓
Maximum internal memory supported by processor	768 GB	Intel 64	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	1333,1600,1866 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Quad-channel	Conflict-Free processor	✓
ECC	✓	Intel® vPro™ Platform Eligibility	✓
Graphics		Operational conditions	
On-board graphics card *	✗	Tcase	67.1 °C
Features		Other features	
Execute Disable Bit	✓	Compatibility	Z440
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	40		
PCI Express slots version	3.0		

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-JUL-2025. Prints or copies of Information are only valid on the printed Publication date