

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

Brand: HP Product code: 790691-001

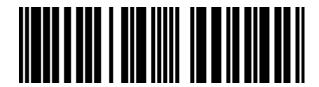
Product name: Intel Xeon E5-1603 v3

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	15
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	
Processor threads	4	(Intel® HT Technology)	×
System bus rate	0 GT/s	Intel® Identity Protection	
Processor operating modes *	64-bit	Technology (Intel® IPT)	✓
Processor cache	10 MB Smart Cache	Intel® Turbo Boost Technology	X
Processor cache type Thormal Design Power (TDP)	140 W	Intel Flex Memory Access	×
Thermal Design Power (TDP) VID Voltage Range	0.65 - 1.3 V	Intel® AES New Instructions (Intel® AES-NI)	<b>✓</b>
Stepping Bus type	R2 QPI	Enhanced Intel SpeedStep Technology	✓
Memory bandwidth supported by	59 GB/s	Intel Trusted Execution Technology	<b>✓</b>
processor (max)  Memory	عراق ور	Intel VT-x with Extended Page Tables (EPT)	<b>✓</b>
Maximum internal memory		Intel Demand Based Switching	<b>✓</b>
supported by processor	768 GB	Intel® Secure Key	<i>,</i>
Memory types supported by	DDR4-SDRAM	Intel TSX-NI	×
processor		Intel® OS Guard	/
Memory clock speeds supported by processor	1333,1600,1866 MHz	Intel 64	
Memory channels *	Quad-channel	Intel Virtualization Technology (VT-	•
ECC	<b>/</b>	x)	✓
Graphics		Intel Virtualization Technology for Directed I/O (VT-d)	
On-board graphics card *	×	Conflict-Free processor	✓
Features		Intel® vPro™ Platform Eligibility	✓
Execute Disable Bit	<b>✓</b>	Operational conditions	
Idle States	/	Tcase	67.1 °C
Thermal Monitoring Technologies	<b>√</b>	Other features	
Market segment	Server		7440
Maximum number of PCI Express lanes	40	Compatibility	Z440
PCI Express slots version	3.0		
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