

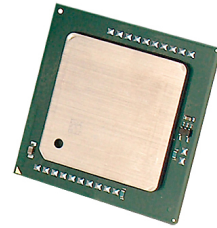


HP Xeon E5-2603 v2 4C 1.8GHz processor 10 MB L3

Brand : HP

Product code: E2Q24AV

Product name : Xeon E5-2603 v2 4C 1.8GHz



Intel Xeon Processor E5-2603 v2 (10M Cache, 1.80 GHz)

HP Xeon E5-2603 v2 4C 1.8GHz. Processor family: Intel® Xeon® E5 V2 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 22 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 768 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: 2S. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Features	
Processor model *	E5-2603V2	Market segment	Server
Processor base frequency *	1.8 GHz	Maximum number of PCI Express lanes	40
Processor family *	Intel® Xeon® E5 V2 Family	PCI Express slots version	3.0
Processor cores *	4	Supported instruction sets	AVX
Processor socket *	LGA 2011 (Socket R)	Scalability	2S
Component for	Server/workstation	Physical Address Extension (PAE)	✓
Processor lithography *	22 nm	Embedded options available	✗
Processor threads	4	Processor special features	
System bus rate	6.4 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	✗
Processor boost frequency	1.8 GHz	Intel Flex Memory Access	✗
Processor cache	10 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	80 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.6 - 1.35 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)	42.6 GB/s	Intel Virtualization Technology (VT-x)	✓
Memory		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory supported by processor	768 GB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR3-SDRAM	Operational conditions	
Memory clock speeds supported by processor	800,1066,1333 MHz	Tcase	71 °C
Memory channels *	Quad-channel	Other features	
ECC	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

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