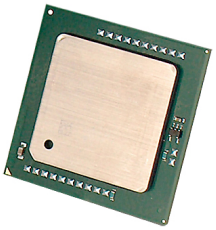
HP Xeon E5-2630 v2 6C 2.6GHz processor 15 MB L3



Brand : HP

Product code: E2Q66AV

Product name : Xeon E5-2630 v2 6C 2.6GHz

Intel Xeon Processor E5-2630 v2 (15M Cache, 2.60 GHz)
HP Xeon E5-2630 v2 6C 2.6GHz. 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	
Processor model *	E5-2630V2
Processor base frequency *	2.6 GHz
Processor family *	Intel® Xeon® E5 V2 Family
Processor cores *	6
Processor socket *	LGA 2011 (Socket R)
Component for	Server/workstation
Processor lithography *	22 nm
Processor threads	12
System bus rate	7.2 GT/s
Processor operating modes *	64-bit
Processor boost frequency	3.1 GHz
Processor cache	15 MB
Processor cache type	L3
Thermal Design Power (TDP)	80 W
VID Voltage Range	0.6 - 1.30 V
Bus type	QPI
Number of QPI links	2
Memory bandwidth supported by processor (max)	51.2 GB/s

Memory	
Maximum internal memory supported by processor	768 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	800,1066,1333,1600 MHz
Memory channels *	Quad-channel
ECC	✓

Graphics	
On-board graphics card *	✗

Features	
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Market segment	Server

Features	
Maximum number of PCI Express lanes	40
PCI Express slots version	3.0
Supported instruction sets	AVX
Scalability	2S
Physical Address Extension (PAE)	✓
Embedded options available	✓

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Identity Protection Technology (Intel® IPT)	✗
Intel® Turbo Boost Technology	✓
Intel Flex Memory Access	✗
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Trusted Execution Technology	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✓
Intel® Secure Key	✓
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Intel® vPro™ Platform Eligibility	✓

Operational conditions	
Tcase	71 °C

Other features	
Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x

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