



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

Brand : HP

Product code: 733615-001

Product name : Intel Xeon E5-2630 v2



Intel Xeon E5-2630 v2, 2.6 GHz (3.1 GHz Turbo), 15 MB Cache, 7.2 GT/s, 22nm

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Processor		Features	
Processor model *	E5-2630V2	Maximum number of PCI Express lanes	40
Processor base frequency *	2.6 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 V2 Family	Scalability	2S
Processor cores *	6	Embedded options available	✓
Processor socket *	LGA 2011 (Socket R)	Processor special features	
Component for	Server/workstation	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography *	22 nm	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor threads	12	Intel® Turbo Boost Technology	2.0
System bus rate	7.2 GT/s	Intel Flex Memory Access	✗
Processor operating modes *	64-bit	Intel® Smart Cache	✓
Processor boost frequency	3.1 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache	15 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	L3	Intel Trusted Execution Technology	✓
Thermal Design Power (TDP)	80 W	Intel VT-x with Extended Page Tables (EPT)	✓
VID Voltage Range	0.65 - 1.30 V	Intel Demand Based Switching	✓
Bus type	QPI	Intel® Secure Key	✓
Number of QPI links	2	Intel TSX-NI	✗
Memory bandwidth supported by processor (max)	51.2 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	800,1066,1333,1600 MHz	Tcase	77 °C
Memory channels *	Quad-channel	Packaging data	
ECC	✓	Package width	52.5 mm
Graphics		Package depth	45 mm
On-board graphics card *	✗	Other features	
Features		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		

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