



## DELL Intel Xeon E5-2609 v2 processor 2.5 GHz 10 MB L3

**Brand :** DELL

**Product code:** 462-7466

**Product name :** Intel Xeon E5-2609 v2



Intel Xeon E5-2609 V2, 10M Cache, 2.5 GHz, 6.4 GT/s QPI  
 DELL Intel Xeon E5-2609 v2. 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 *	E5-2609V2	Maximum number of PCI Express lanes	40
Processor base frequency *	2.5 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 V2 Family	Supported instruction sets	AVX
Processor cores *	4	Scalability	2S
Processor socket *	LGA 2011 (Socket R)	CPU configuration (max)	2
Component for	Server/workstation	Embedded options available	✓
Processor lithography *	22 nm	<b>Processor special features</b>	
Processor threads	4	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	6.4 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	✗
Processor cache	10 MB	Intel Flex Memory Access	✗
Processor cache type	L3	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	80 W	Enhanced Intel SpeedStep Technology	✓
VID Voltage Range	0.65 - 1.30 V	Intel Trusted Execution Technology	✓
Bus type	QPI	Intel VT-x with Extended Page Tables (EPT)	✓
Number of QPI links	2	Intel Demand Based Switching	✓
Memory bandwidth supported by processor (max)	42.6 GB/s	Intel® Secure Key	✓
<b>Memory</b>		Intel TSX-NI	✗
Maximum internal memory supported by processor	768 GB	Intel® OS Guard	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	800,1066,1333 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Quad-channel	Intel® vPro™ Platform Eligibility	✓
ECC	✓	<b>Operational conditions</b>	
<b>Graphics</b>		Tcase	71 °C
On-board graphics card *	✗	<b>Other features</b>	
<b>Features</b>		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		

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