

## Fujitsu Intel Xeon E5-2420 v2 processor 2.2 GHz 15 MB L3

**Brand :** Fujitsu

**Product code:** S26361-F5291-L220

**Product name :** Intel Xeon E5-2420 v2



Intel Xeon Processor E5-2420 v2 (15M Cache, 2.20 GHz)

Fujitsu Intel Xeon E5-2420 v2. Processor family: Intel® Xeon® E5 V2 Family, Processor socket: LGA 1356 (Socket B2), Processor lithography: 22 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 384 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Bandwidth: 7.2 MB/s. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Features	
Processor model *	E5-2420V2	PCI Express slots version	3.0
Processor base frequency *	2.2 GHz	Supported instruction sets	AVX
Processor family *	Intel® Xeon® E5 V2 Family	Bandwidth	7.2 MB/s
Processor cores *	6	Scalability	2S
Processor socket *	LGA 1356 (Socket B2)	Physical Address Extension (PAE)	✓
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	22 nm	Embedded options available	✗
Processor threads	12	<b>Processor special features</b>	
System bus rate	7.2 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor boost frequency	2.7 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	15 MB	Intel Flex Memory Access	✗
Processor cache type	L3	Intel® Smart Cache	✓
L3 cache speed	2.2 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	80 W	Enhanced Intel SpeedStep Technology	✓
VID Voltage Range	0.65 - 1.3 V	Intel Trusted Execution Technology	✓
Bus type	QPI	Intel Enhanced Halt State	✓
Number of QPI links	1	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	38.4 GB/s	Intel Demand Based Switching	✓
<b>Memory</b>		Intel® Secure Key	✓
Maximum internal memory supported by processor	384 GB	Intel TSX-NI	✗
Memory types supported by processor	DDR3-SDRAM	Intel® OS Guard	✓
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Intel Virtualization Technology (VT-x)	✓
Memory channels *	Triple-channel	Intel Virtualization Technology for Directed I/O (VT-d)	✓
ECC	✓	<b>Operational conditions</b>	
<b>Graphics</b>		Tcase	76 °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		
Maximum number of PCI Express lanes	24		

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