

Fujitsu Intel Xeon E5-2440 v2 processor 1.9 GHz 20 MB L3

Brand : Fujitsu

Product code: S26361-F5291-L190

Product name : Intel Xeon E5-2440 v2



Intel Xeon Processor E5-2440 v2 (20M Cache, 1.90 GHz)

Fujitsu Intel Xeon E5-2440 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 *	E5-2440V2	Maximum number of PCI Express lanes	24
Processor base frequency *	1.9 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 V2 Family	Supported instruction sets	AVX
Processor cores *	8	Bandwidth	7.2 MB/s
Processor socket *	LGA 1356 (Socket B2)	Scalability	2S
Component for	Server/workstation	Physical Address Extension (PAE)	✓
Processor lithography *	22 nm	CPU configuration (max)	2
Processor threads	16	Embedded options available	✗
System bus rate	7.2 GT/s	Processor special features	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	2.4 GHz	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor cache	20 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	L3	Intel Flex Memory Access	✗
L3 cache speed	1.9 GHz	Intel® Smart Cache	✓
Thermal Design Power (TDP)	95 W	Intel® AES New Instructions (Intel® AES-NI)	✓
VID Voltage Range	0.65 - 1.3 V	Enhanced Intel SpeedStep Technology	✓
Bus type	QPI	Intel Trusted Execution Technology	✓
Number of QPI links	1	Intel Enhanced Halt State	✓
Memory bandwidth supported by processor (max)	38.4 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
Memory		Intel Demand Based Switching	✓
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	✓	Operational conditions	
Graphics		Tcase	68 °C
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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