

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



Brand : Fujitsu

Product code: S26361-F3829-L190

Product name : Intel Xeon E5-2440 v2

Intel Xeon E5-2440 v2, 1.9 GHz (2.4 GHz Turbo), 20 MB Cache, 7.2 GT/s, 22 nm

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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, Scalability: 2S. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



Processor		Features	
Processor model *	E5-2440V2	Market segment	Server
Processor base frequency *	1.9 GHz	Maximum number of PCI Express lanes	24
Processor family *	Intel® Xeon® E5 V2 Family	PCI Express slots version	3.0
Processor cores *	8	Scalability	2S
Processor socket *	LGA 1356 (Socket B2)	Embedded options available	✗
Component for	Server/workstation	Processor special features	
Processor lithography *	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	16	Intel® Identity Protection Technology (Intel® IPT)	✗
System bus rate	7.2 GT/s	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel Flex Memory Access	✗
Processor boost frequency	2.4 GHz	Intel® Smart Cache	✓
Processor cache	20 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	95 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.65 - 1.30 V	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	1	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	38.4 GB/s	Intel TSX-NI	✗
Memory		Intel Virtualization Technology (VT-x)	✓
Maximum internal memory supported by processor	384 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR3-SDRAM	Operational conditions	
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Tcase	80 °C
Memory channels *	Triple-channel	Other features	
ECC	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		



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