

Fujitsu Intel Xeon E5-2637v2 processor 3.5 GHz 15 MB Smart Cache



Brand : Fujitsu

Product code: S26361-F3791-E350

Product name : Intel Xeon E5-2637v2

Fujitsu Intel Xeon E5-2637v2. 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



Processor		Features	
Processor model *	E5-2637V2	Maximum number of PCI Express lanes	40
Processor base frequency *	3.5 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	Physical Address Extension (PAE)	46 bit
Processor threads	8	Processor special features	
System bus rate	8 GT/s	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor boost frequency	3.8 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	15 MB	Intel Flex Memory Access	✗
Processor cache type	Smart Cache	Intel® Smart Cache	✓
Thermal Design Power (TDP)	130 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	2	Intel Enhanced Halt State	✓
Memory bandwidth supported by processor (max)	59.7 GB/s	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Ivy Bridge	Intel Demand Based Switching	✓
Memory		Intel® Secure Key	✓
Maximum internal memory supported by processor	768 GB	Intel 64	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology (VT-x)	✓
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory channels *	Quad-channel	Conflict-Free processor	✗
ECC	✓	Intel® vPro™ Platform Eligibility	✓
Graphics		Operational conditions	
On-board graphics card *	✗	Tcase	76 °C
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		

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