FUJITSU

Fujitsu E5-2640 V2 processor 2 GHz 20 MB Smart Cache Box

Brand : Fujitsu

Product code: S26361-F3801-E200

Product name : E5-2640 V2

Intel Xeon Processor E5-2640 v2 (20M Cache, 2.00 GHz)
Fujitsu E5-2640 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, PCI Express configurations: 1x16, 1x4, 1x8, Supported instruction sets: AVX. Processor package size: 52.5 x 51 mm

Processor	
Processor model *	E5-2640V2
Processor base frequency *	2 GHz
Processor family *	Intel® Xeon® E5 V2 Family
Processor cores *	8
Processor socket *	LGA 2011 (Socket R)
Component for	Server/workstation
Processor lithography *	22 nm
Processor series	Intel Xeon E5-2600 v2
Processor threads	16
System bus rate	7.2 GT/s
Processor operating modes *	64-bit
Processor boost frequency	2.5 GHz
Processor cache	20 MB
Processor cache type	Smart Cache
Box *	✓
Configurable TDP-down	95 W
VID Voltage Range	0.6 - 1.3 V
Bus type	QPI
Number of QPI links	2
Memory bandwidth supported by processor (max)	51.2 GB/s
Processor codename	Ivy Bridge

Memory	
Maximum internal memory supported by processor	768 GB
Memory types supported by processor	DDR3-SDRAM
Memory clock speeds supported by processor	800,1066,1333,1600 MHz
Memory channels *	Quad-channel
ECC	✓

Graphics	
On-board graphics card *	✗

Features	
Execute Disable Bit	✓
Idle States	✓
Thermal Monitoring Technologies	✓
Market segment	Server

Features	
PCI Express slots version	3.0
PCI Express configurations	1x16, 1x4, 1x8
Supported instruction sets	AVX
CPU configuration (max)	2
Embedded options available	✓
Physical Address Extension (PAE)	46 bit

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Turbo Boost Technology	2.0
Intel Flex Memory Access	✗
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel Trusted Execution Technology	✓
Intel Enhanced Halt State	✓
Intel VT-x with Extended Page Tables (EPT)	✓
Intel Demand Based Switching	✓
Intel® Secure Key	✓
Intel TSX-NI	✗
Intel® OS Guard	✓
Intel 64	✓
Intel Identity Protection Technology version	No
Intel Secure Key Technology version	Yes
Intel Virtualization Technology (VT-x)	✓
Intel Virtualization Technology for Directed I/O (VT-d)	✓
Conflict-Free processor	✓
Intel® vPro™ Platform Eligibility	✓

Operational conditions	
Tcase	75 °C

Weight & dimensions	
Processor package size	52.5 x 51 mm

Features	
Maximum number of PCI Express lanes	40

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