



DELL Intel Xeon E5-2660 processor 2.2 GHz 20 MB Smart Cache

Brand : DELL

Product code: 317-9593

Product name : Intel Xeon E5-2660

Intel Xeon E5-2660, 20M Cache, 2.2 GHz, 8 GT/s QPI, FCLGA2011

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The Intel® E5-2660 2.20 GHz Eight Core Processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep® technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the E5-2660 2.20 GHz Eight Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Features	
Processor model *	E5-2660	Idle States	✓
Processor base frequency *	2.2 GHz	Thermal Monitoring Technologies	✓
Processor family *	Intel® Xeon® E5 Family	Market segment	Server
Processor cores *	8	Maximum number of PCI Express lanes	40
Processor socket *	LGA 2011 (Socket R)	PCI Express slots version	3.0
Component for	Server/workstation	Supported instruction sets	AVX
Processor lithography *	32 nm	Scalability	2S
Processor series	Intel Xeon E5-2600	CPU configuration (max)	2
Processor threads	16	Embedded options available	✗
System bus rate	8 GT/s	Processor special features	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3 GHz	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor cache	20 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	Smart Cache	Intel Flex Memory Access	✗
Thermal Design Power (TDP)	95 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Cooler included *	✗	Enhanced Intel SpeedStep Technology	✓
VID Voltage Range	0.6 - 1.35 V	Intel Trusted Execution Technology	✓
Stepping	C2	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	2	Intel 64	✓
Memory bandwidth supported by processor (max)	51.2 GB/s	Intel Virtualization Technology (VT-x)	✓
Processor codename	Ivy Bridge EP	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory		Intel® vPro™ Platform Eligibility	✓
Maximum internal memory supported by processor	384 GB	Operational conditions	
Memory types supported by processor	DDR3-SDRAM	Tcase	73 °C
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	✓		

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