



DELL Intel Xeon E5-2697 v2 processor 2.7 GHz 30 MB Smart Cache

Brand : DELL

Product code: 338-BDKV

Product name : Intel Xeon E5-2697 v2

Intel Xeon E5-2697 v2, 30M Cache, 2.7 GHz, 8 GT/s QPI, FCLGA2011, Refurbished

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The Intel® 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 Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Features	
Processor model *	E5-2697V2	Market segment	Server
Processor base frequency *	2.7 GHz	Maximum number of PCI Express lanes	40
Processor family *	Intel® Xeon® E5 V2 Family	PCI Express slots version	3.0
Processor cores *	12	Supported instruction sets	AVX
Processor socket *	LGA 2011 (Socket R)	Scalability	2S
Component for	Server/workstation	Physical Address Extension (PAE)	✓
Processor lithography *	22 nm	CPU configuration (max)	2
Processor series	Intel Xeon E5-2600 v2	Embedded options available	✗
Processor threads	24	Physical Address Extension (PAE)	46 bit
System bus rate	8 GT/s	Processor special features	
Processor operating modes *	64-bit	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor boost frequency	3.5 GHz	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor cache	30 MB	Intel® Turbo Boost Technology	2.0
Processor cache type	Smart Cache	Intel Flex Memory Access	✗
Thermal Design Power (TDP)	130 W	Intel® AES New Instructions (Intel® AES-NI)	✓
Cooler included *	✗	Enhanced Intel SpeedStep Technology	✓
VID Voltage Range	0.65 - 1.3 V	Intel Trusted Execution Technology	✓
Stepping	C1	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	2	Intel® Secure Key	✓
Memory bandwidth supported by processor (max)	59.7 GB/s	Intel TSX-NI	✗
Processor codename	Ivy Bridge EP	Intel® OS Guard	✓
Memory		Intel 64	✓
Maximum internal memory supported by processor	768 GB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR3-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	800,1066,1333,1600,1866 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Quad-channel	Operational conditions	
ECC	✓	Tcase	86 °C
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

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Publication date: 22-DEC-2023. Prints or copies of Information are only valid on the printed Publication date