



DELL Intel Xeon E5-2620 V4 processor 2.1 GHz 20 MB Smart Cache

Brand : DELL

Product code: 338-BJEU

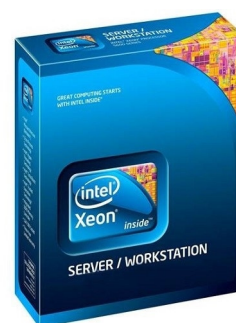
Product name : Intel Xeon E5-2620 V4

Intel Xeon E5-2620 V4, 20M Cache, 2.1GHz, 8GT/s QPI

DELL Intel Xeon E5-2620 V4 processor 2.1 GHz 20 MB Smart Cache:

The Intel® E5-2620 v4 2.10 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 E5-2620 v4 2.10 GHz Eight Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	E5-2620V4	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor base frequency *	2.1 GHz	Intel® Turbo Boost Technology	2.0
Processor family *	Intel® Xeon® E5 v4	Intel Flex Memory Access	✗
Processor cores *	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 2011-v3	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	14 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Xeon E5-2600 v4	Intel Demand Based Switching	✓
Processor threads	16	Intel® Secure Key	✓
System bus rate	8 GT/s	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel® OS Guard	✓
Processor boost frequency	3 GHz	Intel 64	✓
Processor cache	20 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	Smart Cache	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	85 W	Conflict-Free processor	✓
VID Voltage Range	0 - 0 V	Intel® vPro™ Platform Eligibility	✓
Stepping	R0		
Bus type	QPI		
Number of QPI links	2		
Memory bandwidth supported by processor (max)	68.3 GB/s		
Memory		Operational conditions	
Maximum internal memory supported by processor	1.53 TB	Tcase	74 °C
Memory types supported by processor	DDR4-SDRAM		
Memory clock speeds supported by processor	1600,1866,2133 MHz	Logistics data	
Memory channels *	Quad-channel	Harmonized System (HS) code	85423119

Memory		Weight & dimensions	
ECC	✓	Processor package size	45 x 52.5 mm
Graphics		Other features	
On-board graphics card *	✗	Intel® Server Board S2600CW2R Intel® Server Board S2600CW2SR Intel® Server Board S2600CWTR Intel® Server Board S2600CWTSR Intel® Server Board S2600KPR Intel® Server Board S2600KPFR Intel® Server Board S2600KPTR Intel® Server Board S2600TPR Intel® Server Board S2600TPFR Intel® Server Board S2600WTTR Intel® Server Board S2600WT2R Intel® Server Board S2600WTT51R Intel® Compute Module HNS2600KPFR Intel® Compute Module HNS2600KPR Intel® Compute Module HNS2600TP24R Intel® Compute Module HNS2600TP24SR Intel® Compute Module HNS2600TPFR Intel® Compute Module HNS2600TPR Intel® Server System R1208WT2GSR Intel® Server System R1208WTTGSR Intel® Server System R1304WT2GSR Intel® Server System R1304WTTGSR Intel® Server System VRN2224THY2 Intel® Server System VRN2224THY4 Intel® Server System R2208WTTYSR Intel® Server System R2208WT2YSR Intel® Server System R2208WTTYC1R Intel® Server System R2308WTTYSR Intel® Server System R2312WTTYSR Intel® Server System R2224WTTYSR	
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	40		
PCI Express slots version	3.0		
Supported instruction sets	AVX 2.0		
Scalability	25		
CPU configuration (max)	2		
Embedded options available	✓	Compatibility	
Graphics & IMC lithography	14 nm		



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