



DELL Intel Xeon E5-2630 v4 processor 2.2 GHz 25 MB Smart Cache

Brand : DELL

Product code: OMN33P

Product name : Intel Xeon E5-2630 v4

Intel Xeon E5-2630 v4, 25M Cache, 2.2 GHz, 8 GT/s QPI, FCLGA2011-3

[DELL Intel Xeon E5-2630 v4 processor 2.2 GHz 25 MB Smart Cache:](#)

The Intel Xeon® Xeon E5-2630 v4 2.20 GHz Ten 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 Xeon Xeon E5-2630 v4 2.20 GHz Ten Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.



Processor		Features	
Processor model *	E5-2630V4	Maximum number of PCI Express lanes	40
Processor base frequency *	2.2 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 v4	Supported instruction sets	AVX 2.0
Processor cores *	10	Scalability	25
Processor socket *	LGA 2011-v3	Physical Address Extension (PAE)	✓
Component for	Server/workstation	CPU configuration (max)	2
Processor lithography *	14 nm	Embedded options available	✗
Processor series	Intel Xeon E5-2600 v4	Physical Address Extension (PAE)	46 bit
Processor threads	20	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	3.1 GHz	Intel® Turbo Boost Technology	2.0
Processor cache	25 MB	Intel Flex Memory Access	✗
Processor cache type	Smart Cache	Intel® AES New Instructions (Intel® AES-NI)	✓
Thermal Design Power (TDP)	85 W	Enhanced Intel SpeedStep Technology	✓
Cooler included *	✗	Intel Trusted Execution Technology	✓
Stepping	R0	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)	68.3 GB/s	Intel TSX-NI	✓
Processor codename	Broadwell	Intel® OS Guard	✓
Memory		Intel 64	✓
Maximum internal memory supported by processor	1.54 TB	Intel Virtualization Technology (VT-x)	✓
Memory types supported by processor	DDR4-SDRAM	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory clock speeds supported by processor	1600,1866,2133 MHz	Intel® vPro™ Platform Eligibility	✓
Memory channels *	Quad-channel	Operational conditions	
ECC	✓	Tcase	74 °C
Graphics			
On-board graphics card *	✗		
Discrete graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		

Features

Market segment

Server

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 01-JAN-2024. Prints or copies of Information are only valid on the printed Publication date