



DELL Intel Xeon E5-2440 v2 processor 1.9 GHz 20 MB L3

Brand : DELL

Product code: 338-BEDD

Product name : Intel Xeon E5-2440 v2

Xeon Processor E5-2440 v2 (20M Cache, 1.90 GHz)

DELL Intel Xeon E5-2440 v2. Processor family: Intel® Xeon® E5 V2 Family, Processor socket: LGA 1356 (Socket B2), Processor lithography: 22 nm. Memory channels: Triple-channel, Maximum internal memory supported by processor: 384 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: 2S. Width: 45 mm, Depth: 42.5 mm. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x



Processor		Features	
Processor model *	E5-2440V2	PCI Express slots version	3.0
Processor base frequency *	1.9 GHz	Supported instruction sets	AVX
Processor family *	Intel® Xeon® E5 V2 Family	Scalability	2S
Processor cores *	8	Physical Address Extension (PAE)	✓
Processor socket *	LGA 1356 (Socket B2)	Embedded options available	✗
Component for	Server/workstation	Processor special features	
Processor lithography *	22 nm	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor threads	16	Intel® Identity Protection Technology (Intel® IPT)	✗
System bus rate	7.2 GT/s	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel Flex Memory Access	✗
Processor boost frequency	2.4 GHz	Intel® Smart Cache	✓
Processor cache	20 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	95 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.65 - 1.3 V	Intel Enhanced Halt State	✓
Stepping	M1	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	QPI	Intel Demand Based Switching	✓
Number of QPI links	1	Intel TSX-NI	✗
Memory bandwidth supported by processor (max)	38.4 GB/s	Intel® OS Guard	✓
Memory		Intel Virtualization Technology (VT-x)	✓
Maximum internal memory supported by processor	384 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory types supported by processor	DDR3-SDRAM	Operational conditions	
Memory clock speeds supported by processor	800,1066,1333,1600 MHz	Tcase	80 °C
Memory channels *	Triple-channel	Weight & dimensions	
ECC	✓	Width	45 mm
Graphics		Depth	42.5 mm
On-board graphics card *	✗	Other features	
Features		Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Market segment	Server		
Maximum number of PCI Express lanes	24		

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