

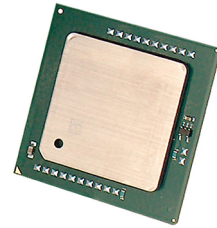


HP Intel Xeon E5-2695v2 12C 2.4GHz processor 30 MB L3

Brand : HP

Product code: E2Q42AV

Product name : Intel Xeon E5-2695v2 12C 2.4GHz



Intel Xeon Processor E5-2695 v2 (30M Cache, 2.40 GHz)

HP Intel Xeon E5-2695v2 12C 2.4GHz. Processor family: Intel® Xeon® E5 V2 Family, Processor socket: LGA 2011 (Socket R), Processor lithography: 22 nm. Memory channels: Quad-channel, Maximum internal memory supported by processor: 768 GB, Memory types supported by processor: DDR3-SDRAM. Market segment: Server, Supported instruction sets: AVX, Scalability: S2S. Intel® Virtualization Technology (Intel® VT): VT-d, VT-x

Processor		Features	
Processor model *	E5-2695V2	Maximum number of PCI Express lanes	40
Processor base frequency *	2.4 GHz	PCI Express slots version	3.0
Processor family *	Intel® Xeon® E5 V2 Family	Supported instruction sets	AVX
Processor cores *	12	Scalability	S2S
Processor socket *	LGA 2011 (Socket R)	Physical Address Extension (PAE)	✓
Component for	Server/workstation	Embedded options available	✗
Processor lithography *	22 nm	Processor special features	
Processor threads	24	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
System bus rate	8 GT/s	Intel® Identity Protection Technology (Intel® IPT)	✗
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	✓
Processor boost frequency	3.2 GHz	Intel Flex Memory Access	✗
Processor cache	30 MB	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cache type	L3	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	115 W	Intel Trusted Execution Technology	✓
VID Voltage Range	0.6 - 1.30 V	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 Virtualization Technology (VT-x)	✓
Memory		Intel Virtualization Technology for Directed I/O (VT-d)	✓
Maximum internal memory supported by processor	768 GB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR3-SDRAM	Operational conditions	
Memory clock speeds supported by processor	800,1066,1333,1600,1866 MHz	Tcase	81 °C
Memory channels *	Quad-channel	Other features	
ECC	✓	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Graphics			
On-board graphics card *	✗		
Features			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
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. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.