



DELL Xeon 4214 processor 2.2 GHz 16.5 MB

Brand : DELL

Product family: Xeon

Product code: 338-BSDR

Product name : 4214

Intel Xeon Silver 4214 2.2GHz, 12C/24T, 9.6GT/s, 16.5M Cache, Turbo, HT (85W)

DELL Xeon 4214. Processor family: Intel Xeon Silver, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 2S. Processor package size: 76.0 x 56.5 mm. Compatibility: - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD -...

Processor		Processor special features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	4214	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base frequency *	2.2 GHz	Intel TSX-NI	✓
Processor family *	Intel Xeon Silver	Intel 64	✓
Processor cores *	12	Intel Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Component for	Server/workstation	Intel Turbo Boost Max Technology 3.0	✗
Processor lithography *	14 nm	AVX-512 Fused Multiply-Add (FMA) units	1
Processor threads	24	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Processor operating modes *	64-bit	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor boost frequency	3.2 GHz	Intel® Resource Director Technology (Intel® RDT)	✓
Processor cache	16.5 MB	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	85 W	Intel® Run Sure Technology	✗
Box *	✗	Mode-based Execute Control (MBE)	✓
Cooler included *	✗	Intel® Optane™ DC Persistent Memory Supported	✗
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
Processor ARK ID	193385	Intel Speed Select Technology (SST)	✗
Memory		Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Maximum internal memory supported by processor	1.02 TB	Intel® Optane™ DC Persistent Memory technology	✗
Memory types supported by processor	DDR4-SDRAM	Operational conditions	
Memory clock speeds supported by processor	2400 MHz	Tcase	77 °C
Memory channels *	Hexa-channel	Technical details	
ECC	✓	Launch date	Q2'19
Graphics		Product type	Processor
On-board graphics card *	✗	Status	Launched
Discrete graphics card *	✗	Memory speed (max)	2400 MHz
On-board graphics card model *	Not available	Number of UPI links	2
Discrete graphics card model *	Not available	Logistics data	
Features		Harmonized System (HS) code	85423119
Execute Disable Bit	✓	Weight & dimensions	
Market segment	Server	Processor package size	76.0 x 56.5 mm
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	AVX-512		
Scalability	2S		
Embedded options available	✓		
PCI Express CEM revision	3.0		

Processor special features	Other features
Intel® Hyper Threading Technology (Intel® HT Technology) ✓	Compatibility - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD - PowerEdge T640 - PowerEdge M640 - PowerEdge R740xd2 - PowerEdge C4140 - PowerEdge MX740C - PowerEdge R440 - PowerEdge FC640 - PowerEdge R540 - PowerEdge R640 - PowerEdge C6420 - PowerEdge XR2
Intel® Turbo Boost Technology 2.0	
Intel® AES New Instructions (Intel® AES-NI) ✓	
Enhanced Intel SpeedStep Technology ✓	
Intel Trusted Execution Technology ✓	



5397184377840



5397184330081

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.