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DELL Xeon 4214 suoritin 2,2 GHz 16,5 MB

Tuotemerkki : DELL

Tuoteperhe: Xeon

Tuotekoodi: 338-BSDR

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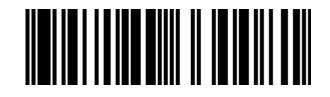
Tuotteen nimi : 4214

DELL Xeon 4214. Suoritinperhe: Intel® Xeon Silver, Prosessorin kanta: LGA 3647 (Socket P), Prosessorin litografia: 14 nm. Muistikanavat: Hexa-kanava, Prosessorin tukema suurin sisäinen muisti: 1,02 TB, Prosessorin tukemat muistityypit: DDR4-SDRAM. Markkinasegmentti: Palvelin, Tuetut ohjepaketit: AVX-512, Skaalautuvuus: 2S. Prosessorin pakkauskoko: 76.0 x 56.5 mm. Yhteensopivuus: - PowerEdge R940 - PowerEdge M640 VRTX - PowerEdge R740 - PowerEdge T440 - PowerEdge R740XD -...

Processor		Processor special features	
Processor generation	2nd Generation Intel® Xeon®	Intel® Speed Shift Technology	✓
Processor model *	Scalable 4214	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base frequency *	2.2 GHz	Intel TSX-NI	1
Processor family *	Intel Xeon Silver	Intel 64	1
Processor cores *	12	Intel Virtualization Technology (VT-	,
Processor socket *	LGA 3647 (Socket P)	x)	v
Component for	Server/workstation	Intel Virtualization Technology for	1
Processor lithography *	14 nm	Directed I/O (VT-d)	
Processor threads	24	Intel Turbo Boost Max Technology 3.0	×
Processor operating modes *	64-bit	AVX-512 Fused Multiply-Add (FMA)	
Processor boost frequency	3.2 GHz	units	1
Processor cache	16.5 MB 85 W	Intel® Deep Learning Boost (Intel®	1
Thermal Design Power (TDP)		DL Boost) on CPU	•
Box *	x	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	×
Cooler included *	×	Intel® Resource Director	
Processor codename	Cascade Lake	Technology (Intel® RDT)	1
Processor ARK ID	193385	Intel® Volume Management Device	4
Memory		(VMD)	•
Maximum internal memory	1.02 TB	Intel [®] Run Sure Technology	×
supported by processor	1.02 10	Mode-based Execute Control (MBE)	✓
Memory types supported by processor	DDR4-SDRAM	Intel® Optane™ DC Persistent Memory Supported	×
Memory clock speeds supported by	2400 MHz	Intel® vPro [™] Platform Eligibility	1
processor Memory channels *	Hexa-channel	Intel Speed Select Technology (SST)	×
ECC		Intel [®] Speed Select Technology -	~
	•	Base Frequency (Intel® SST-BF)	×
Graphics On-board graphics card *	×	Intel [®] Optane [™] DC Persistent Memory technology	×
Discrete graphics card *	×	Operational conditions	
On-board graphics card model *	Not available	Tcase	77 °C
Discrete graphics card model *	Not available	Technical details	
Features		Launch date	Q2'19
Execute Disable Bit	1	Product type	Processor
Market segment	Server	Status	Launched
Maximum number of PCI Express lanes	48	Memory speed (max) Number of UPI links	2400 MHz 2
PCI Express slots version	3.0	Logistics data	
Supported instruction sets	AVX-512	Harmonized System (HS) code	85423119
Scalability	25		
Embedded options available	1	Weight & dimensions	
PCI Express CEM revision	3.0	Processor package size	76.0 x 56.5 mm

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)	1		
Enhanced Intel SpeedStep Technology	1		
Intel Trusted Execution Technology	1		





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