

DELL Xeon Intel Silver 4210 suoritin 2,2 GHz 13,75 MB

Tuotemerkki : DELL

Tuoteperhe: Xeon

Tuotekoodi: 338-BSDG

Tuotteen nimi : Intel Xeon Silver 4210

Intel® Turbo Boost Technology

2.0

DELL Xeon Intel Silver 4210. 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 R640 - PowerEdge R740 - PowerEdge R740XD - PowerEdge C6420 - PowerEdge R440 -...

Processor		Processor special features	
Processor generation	2nd Generation Intel® Xeon®	Intel Trusted Execution Technology	1
Processor model *	Scalable 4210	Intel® Speed Shift Technology	1
Processor base frequency *	4210 2.2 GHz	Intel VT-x with Extended Page	v
Processor family *	Intel Xeon Silver	Tables (EPT)	
Processor cores *	10	Intel TSX-NI	
Processor socket *	LGA 3647 (Socket P)	Intel 64	<i>·</i>
Component for	Server/workstation	Intel Virtualization Technology (VT- x)	1
Processor lithography *	14 nm	Intel Virtualization Technology for	1
Processor threads	20	Directed I/O (VT-d)	•
Processor operating modes *	64-bit	Intel Turbo Boost Max Technology 3.0	×
Processor boost frequency Processor cache	3.2 GHz 13.75 MB	AVX-512 Fused Multiply-Add (FMA)	
Thermal Design Power (TDP)	85 W	units	1
Processor codename	Cascade Lake	Intel® Deep Learning Boost (Intel®	1
Processor ARK ID	193384	DL Boost) on CPU	
Memory		Intel [®] Resource Director Technology (Intel [®] RDT)	 Image: A start of the start of
Maximum internal memory	1.02 TB	Intel® Volume Management Device (VMD)	1
supported by processor Memory types supported by		Intel [®] Run Sure Technology	×
processor	DDR4-SDRAM	Mode-based Execute Control (MBE)	1
Memory clock speeds supported by processor	2400 MHz	Intel® vPro [™] Platform Eligibility	1
Memory channels *	Hexa-channel	Intel Speed Select Technology (SST)	×
ECC	 Image: A start of the start of	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	×
Graphics		Intel® Optane [™] DC Persistent	×
On-board graphics card *	×	Memory technology	
Discrete graphics card *	×	Operational conditions	
On-board graphics card model *	Not available	Tcase	78 °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	Weight & dimensions	
Embedded options available	✓	-	76.0 x 56.5 mm
PCI Express CEM revision	3.0	Processor package size	76.0 x 56.5 mm
Processor special features			
Intel® Hyper Threading Technology (Intel® HT Technology)	 Image: A start of the start of		

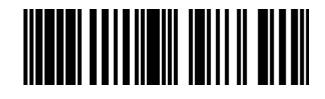
Processor special features		Other features	
Intel® AES New Instructions (Intel® AES-NI)	 Image: A start of the start of		- Powerl R740 - F
Enhanced Intel SpeedStep Technology	1		PowerEc R440 - F

Compatibility

- PowerEdge R640 - PowerEdge R740 - PowerEdge R740XD -PowerEdge C6420 - PowerEdge R440 - PowerEdge T640 -PowerEdge T440 - PowerEdge FC640 - PowerEdge M640 -PowerEdge M640 VRTX - PowerEdge R540 - PowerEdge MX740c -PowerEdge R740xd2 - PowerEdge

XR2





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