

## DELL Xeon Silver 4208 processor 2.1 GHz 11 MB

Brand : DELL

Product family: Xeon

Product code: 338-BSVU

Product name : Xeon Silver 4208

## Intel Xeon Silver 4208 (11M Cache, 2.10 GHz)

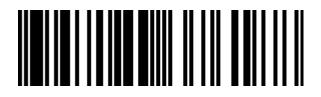
DELL Xeon Silver 4208. Processor family: Intel Xeon Silver, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1024 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 2S. Processor package size: 76.0 x 56.5 mm. Compatibility: - PowerEdge C6420 - PowerEdge FC640 - PowerEdge M640 - PowerEdge M640 VRTX -PowerEdge MX740C -...





Processor		Processor special features	
Processor generation	2nd Generation Intel® Xeon®	Intel® Speed Shift Technology	1
Processor model *	Scalable 4208	Intel VT-x with Extended Page Tables (EPT)	1
Processor base frequency *	2.1 GHz	Intel TSX-NI	1
Processor family *	Intel Xeon Silver	Intel 64	
Processor cores *	8	Intel Virtualization Technology (VT-	
Processor socket *	LGA 3647 (Socket P)	x)	4
Component for	Server/workstation	Intel Virtualization Technology for	1
Processor lithography *	14 nm	Directed I/O (VT-d)	•
Processor threads	16	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	11 MB	Intel® Deep Learning Boost (Intel®	1
Thermal Design Power (TDP)	85 W	DL Boost)	•
Processor codename	Cascade Lake	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	×
Processor ARK ID	193390	Intel® Resource Director	
Memory		Technology (Intel® RDT)	4
Maximum internal memory supported by processor	1024 GB	Intel® Volume Management Device (VMD)	∢
Memory types supported by	DDR4-SDRAM	Intel <sup>®</sup> Run Sure Technology	×
processor		Mode-based Execute Control (MBE)	4
Memory clock speeds supported by processor	2400 MHz	Intel® Optane <sup>™</sup> DC Persistent Memory Supported	×
Memory channels *	Hexa-channel	Intel® vPro <sup>™</sup> Platform Eligibility	4
ECC	1	Intel Speed Select Technology (SST)	×
Graphics		Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	×
On-board graphics card *	×	Intel <sup>®</sup> Optane <sup>™</sup> DC Persistent	×
Discrete graphics card *	×	Memory technology	<u>^</u>
On-board graphics card model *	Not available	Operational conditions	
Discrete graphics card model *	Not available	Tcase	78 °C
Features		Technical details	
Execute Disable Bit	4	Launch date	Q2'19
Market segment	Server	Product type	Processor
Maximum number of PCI Express lanes	48	Status	Launched
PCI Express slots version	3.0	Memory speed (max)	2400 MHz
Supported instruction sets	AVX-512	Number of UPI links	2
Scalability	25	Weight & dimensions	
Embedded options available	×	Processor package size	76.0 x 56.5 mm
PCI Express CEM revision	3.0	ridecosor package size	, 0.0 X 30.5 mm

Features		Other features	
Harmonized System (HS) code	85423119		- PowerEdge C6420 - PowerEdge FC640 - PowerEdge M640 - PowerEdge M640 VRTX - PowerEdge MX740C - PowerEdge R440 - PowerEdge R540 - PowerEdge R640 - PowerEdge R740 - PowerEdge R740XD - PowerEdge T440 - PowerEdge T640 - PowerEdge XR2
Processor special features			
Intel® Hyper Threading Technology (Intel® HT Technology)	∢	Compatibility	
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	∢		
Enhanced Intel SpeedStep Technology	✓		
Intel Trusted Execution Technology	✓		



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