

## 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)

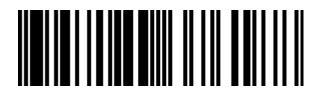
DELL Xeon Silver 4208. Processor family: Intel Xeon Silver, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 2S. Processor package size: 76.0 x 56.5 mm. Compatibility: - PowerEdge C6420 - PowerEdge FC640 - PowerEdge M640 - PowerEdge M640 VRTX -PowerEdge MX740C -...

## Processor

## Processor special features

Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Speed Shift Technology	✓
Processor model *	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)	1
Component for	Server/workstation	Intel Virtualization Technology for	1
Processor lithography *	14 nm	Directed I/O (VT-d)	
Processor threads	16 64 bit	Intel Turbo Boost Max Technology 3.0	×
Processor operating modes * Processor boost frequency	64-bit 3.2 GHz	AVX-512 Fused Multiply-Add (FMA)	1
Processor cache	11 MB	units	1
Thermal Design Power (TDP)	85 W	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	1
Processor codename	Cascade Lake	Intel® Speed Select technology -	
Processor ARK ID	193390	Performance Profile (Intel® SST-PP)	×
Memory		Intel® Resource Director Technology (Intel® RDT)	<ul> <li>Image: A start of the start of</li></ul>
Maximum internal memory supported by processor	1.02 TB	Intel® Volume Management Device (VMD)	1
Memory types supported by	DDR4-SDRAM	Intel® Run Sure Technology	×
processor Memory clock speeds supported by		Mode-based Execute Control (MBE)	1
processor	2400 MHz	Intel® Optane™ DC Persistent Memory Supported	×
Memory channels * ECC	Hexa-channel	Intel® vPro <sup>™</sup> Platform Eligibility	1
	•	Intel Speed Select Technology (SST)	×
Graphics		Intel® Speed Select Technology -	
On-board graphics card *	×	Base Frequency (Intel® SST-BF)	×
Discrete graphics card *	×	Intel® Optane <sup>™</sup> DC Persistent Memory technology	×
On-board graphics card model *	Not available	,	
Discrete graphics card model *	Not available	Operational conditions	
Features		Tcase	78 °C
Execute Disable Bit	<ul> <li>Image: A set of the set of the</li></ul>	Technical details	
Market segment	Server	Launch date	Q2'19
Maximum number of PCI Express	48	Product type	Processor
lanes PCI Express slots version	3.0	Status	Launched
Supported instruction sets	AVX-512	Memory speed (max)	2400 MHz
Scalability	25	Number of UPI links	2
Embedded options available	×	Logistics data	
PCI Express CEM revision	3.0	Harmonized System (HS) code	85423119
		Weight & dimensions	
		Processor package size	76.0 x 56.5 mm

Processor special features		Other features	
Intel® Hyper Threading Technology (Intel® HT Technology)	٠	Compatibility	- 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
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	<ul> <li>Image: A start of the start of</li></ul>		
Enhanced Intel SpeedStep Technology	<ul> <li>Image: A second s</li></ul>		
Intel Trusted Execution Technology	1		



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