

Intel Xeon 4208 processor 2.1 GHz 11 MB

Brand : Intel

Product family: Xeon

Product code:
CD8069503956401

Product name : 4208

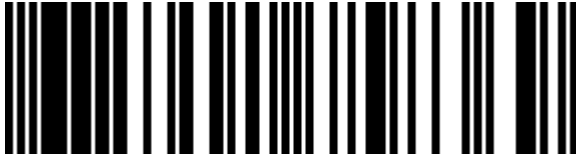
Intel® Xeon® Silver 4208 Processor (11M Cache, 2.10 GHz)

Intel Xeon 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: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Package width: 43 mm, Package depth: 137 mm, Package height: 112 mm. Processor package size: 76mm x 56.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Speed Shift Technology	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Transactional Synchronization Extensions	✓
Processor model *	4208	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base frequency *	2.1 GHz	Intel TSX-NI	✓
Processor family *	Intel Xeon Silver	Intel 64	✓
Processor cores *	8	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	16	Intel® Deep Learning Boost (Intel® DL Boost)	✓
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	11 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	193390	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	78 °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 *	✗	Supported memory types	DDR4-SDRAM
On-board graphics card model *	Not available	Memory speed (max)	2400 MHz
Discrete graphics card model *	Not available	Number of UPI links	2
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512		

Features		Technical details	
Scalability	25	Servicing status	Baseline Servicing
Embedded options available	✗	Logistics data	
PCI Express CEM revision	3.0	Harmonized System (HS) code	85423119
Export Control Classification Number (ECCN)	5A992C	Packaging data	
Commodity Classification Automated Tracking System (CCATS)	G077159	Package width	43 mm
Processor special features		Package depth	137 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Package height	112 mm
Intel® Turbo Boost Technology	2.0	Package weight	201 g
Intel® AES New Instructions (Intel® AES-NI)	✓	Package type	Retail box
Enhanced Intel SpeedStep Technology	✓	Weight & dimensions	
Intel Trusted Execution Technology	✓	Processor package size	76mm x 56.5mm
		Other features	
		Maximum internal memory	1 TB



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