

Intel Xeon W-3323 processor 3.5 GHz 21 MB

Brand : Intel

Product family: Xeon

Product code:
CD8068904708502

Product name : Intel® Xeon®
W-3323 Processor (21M Cache,
up to 3.90 GHz)



CD8068904708502

Intel Xeon W-3323. Processor family: Intel Xeon W, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 4 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Workstation, Supported instruction sets: AVX-512, Scalability: 1S. Processor package size: 77.5 x 56.5 mm. Maximum internal memory: 4 TB

Processor		Processor special features	
Processor manufacturer *	Intel	Enhanced Intel SpeedStep Technology	✓
Processor model *	W-3323	Intel Trusted Execution Technology	✓
Processor base frequency *	3.5 GHz	Intel® Speed Shift Technology	✓
Processor family *	Intel Xeon W	Intel® Transactional Synchronization Extensions	✓
Processor cores *	12	Intel® Total Memory Encryption	✗
Processor socket *	LGA 4189	Intel VT-x with Extended Page Tables (EPT)	✓
Component for	Server/workstation	Intel Software Guard Extensions (Intel SGX)	✗
Processor lithography *	10 nm	Intel 64	✓
Processor threads	24	Intel Virtualization Technology (VT-x)	✓
System bus rate	8 GT/s	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor operating modes *	64-bit	Intel Turbo Boost Max Technology 3.0	✗
Processor boost frequency	3.9 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache	21 MB	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Thermal Design Power (TDP)	220 W	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Box *	✗	Intel® Resource Director Technology (Intel® RDT)	✗
Cooler included *	✗	Intel® Volume Management Device (VMD)	✓
Processor codename	Ice Lake	Mode-based Execute Control (MBE)	✓
Processor ARK ID	217247	Intel® Optane™ DC Persistent Memory Supported	✗
		Intel® vPro™ Platform Eligibility	✗
Memory		Operational conditions	
Maximum internal memory supported by processor	4 TB	Tc _{case}	68 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory channels *	Octa-channel	Launch date	Q3'21
ECC	✓	Status	Launched
Graphics		Supported memory types	DDR4-SDRAM
On-board graphics card *	✗	Memory speed (max)	3200 MHz
Discrete graphics card *	✗	Logistics data	
On-board graphics card model *	Not available	Harmonized System (HS) code	85423119
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Workstation		
Maximum number of PCI Express lanes	64		
PCI Express slots version	4.0		
Supported instruction sets	AVX-512		
Scalability	1S		

Features		Weight & dimensions	
Export Control Classification Number (ECCN)	5A992CN3	Processor package size	77.5 x 56.5 mm
Commodity Classification Automated Tracking System (CCATS)	G178966	Other features	
		Maximum internal memory	4 TB
Processor special features			
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	✓		



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