

Intel Xeon W-3345 processor 3 GHz 36 MB

Brand : Intel

Product family: Xeon

Product code:
CD8068904691101

Product name : Intel® Xeon®
W-3345 Processor (36M Cache,
up to 4.00 GHz)



CD8068904691101

Intel Xeon W-3345. 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-3345	Intel Trusted Execution Technology	✓
Processor base frequency *	3 GHz	Intel® Speed Shift Technology	✓
Processor family *	Intel Xeon W	Intel® Transactional Synchronization Extensions	✓
Processor cores *	24	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	48	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	4 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
Processor cache	36 MB	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Thermal Design Power (TDP)	250 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	217245	Intel® Optane™ DC Persistent Memory Supported	✗
		Intel® vPro™ Platform Eligibility	✗
Memory		Operational conditions	
Maximum internal memory supported by processor	4 TB	Tc _{case}	73 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory channels *	Octa-channel	Launch date	Q3'21
ECC	✓	Status	Launched
		Supported memory types	DDR4-SDRAM
Graphics		Memory speed (max)	3200 MHz
On-board graphics card *	✗	Logistics data	
Discrete graphics card *	✗	Harmonized System (HS) code	85423119
On-board graphics card model *	Not available		
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)	✓		



8592978342166

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.