

DELL Xeon Silver 4310 processor 2.1 GHz 18 MB

Brand : DELL

Processor

Thermal Design Power (TDP)

Maximum internal memory

Memory types supported by

Memory clock speeds supported by

supported by processor

Memory channels *

Box *

Memory

processor

processor

ECC

Cooler included *

Processor ARK ID

Processor codename

Product family: Xeon

Product code: 338-CBXK

Product name : Silver 4310

Intel Xeon Silver 4310 Processor (18MB Cache, up to 3.3 GHz)

DELL Xeon Silver 4310 processor 2.1 GHz 18 MB:

The Intel Xeon® Silver 4310 2.1GHz Twelve Core Processor enhances the performance and the speed of your system. Additionally, the Virtualization Technology enables migration of more environments. It supports enhanced SpeedStep® technology that allows tradeoffs to be made between performance and power consumption.

Its Thermal Monitoring Technologies protect the processor package and the system from thermal failure through several thermal management features. The VT-x with Extended Page Tables (EPT) also known as Second Level Address Translation (SLAT), provides acceleration for memory intensive virtualized applications. Packed with more features, the Xeon Silver 4310 2.1GHz Twelve Core Processor is the ideal choice for virtually all of your data demanding or standard enterprise infrastructure applications.







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1

1

8 GB

2

Processor manufacturer * Intel 3rd Generation Intel® Xeon® Processor generation Scalable Processor model * 4310 2.1 GHz Processor base frequency * Intel Xeon Silver Processor family * Processor cores * 12 Processor socket * LGA 4189 Component for Server/workstation 10 nm Processor lithography * Processor threads 24 10.4 GT/s System bus rate Processor operating modes * 64-bit Processor boost frequency 3.3 GHz 18 MB Processor cache

120 W

Ice Lake

215277

6.14 TB

DDR4-SDRAM

Octa-channel

2667 MHz

×

×



Processor special features

AES-NI)

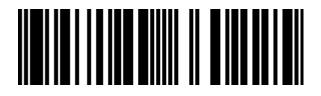
Intel® AES New Instructions (Intel®

Intel Trusted Execution Technology

Graphics		Operational conditions	
On-board graphics card * Discrete graphics card *	×	Tcase	82 °C
		Technical details	
On-board graphics card model * Discrete graphics card model *	Not available Not available	Launch date Status	Q2'21 Launched
Features		Supported memory types	DDR4-SDRAM
Maximum number of PCI Express	✔ Server 64	Memory speed (max) Number of UPI links	2667 MHz 2
		Logistics data	
PCI Express slots version	4.0	Harmonized System (HS) code	85423119
Supported instruction sets	sets SSE4.2, AVX, AVX 2.0, AVX-512	Packaging data	
Scalability	25	Package type	Retail box
Embedded options available	1	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	6 TB

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology) Intel® Turbo Boost Technology 2.0



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