

Intel Xeon Silver 4316 / 2.3 GHz processor - Box



14-05-2024

SKU	BX806894316
Product Description:	Intel Xeon Silver 4316 / 2.3 GHz processor - Box
Product Type:	Processor
Processor Type:	Intel Xeon Silver 4316
Number of Cores:	20-core / 40 threads
Cache:	30 MB
Compatible Processor Socket:	LGA4189 Socket
Processor Qty:	1

General

Product Type:	Processor	Service & Support:	Limited warranty - 3 years
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Manufacturer Warranty

Miscellaneous

Package Type:	Intel Boxed
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Processor

Type / Form Factor:	Intel Xeon Silver 4316
Number of Cores:	20-core
Number of Threads:	40 threads
Cache:	30 MB
Cache Memory Details:	Smart Cache - 30 MB
Processor Qty:	1
Clock Speed:	2.3 GHz
Max Turbo Speed:	3.4 GHz
Compatible Processor Socket:	LGA4189 Socket
Manufacturing Process:	10 nm
Thermal Design Power:	150 W

Processor

Thermal Specification:	84 °C
PCI Express Revision:	4.0
PCI Express Lanes Qty:	64

Architecture Features:

Hyper-Threading Technology, Execute Disable Bit capability, Intel Virtualization Technology, Intel 64 Technology, Intel Trusted Execution Technology, streaming SIMD extensions 4.2, Intel Turbo Boost Technology 2.0, Intel Advanced Vector Extensions (AVX), Intel AES New Instructions (AES-NI), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel Advanced Vector Extensions 2 (AVX2.0), Intel Transactional Synchronization Extensions (TSX), Intel Software Guard Extensions (SGX), Intel Speed Shift Technology, Intel Advanced Vector Extensions 512 (AVX-512), Mode-based Execute Control (MBE), Intel Volume Management Device (VMD), Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Intel Total Memory Encryption

