

Intel Xeon Silver 4510 - 2.4 GHz - 12 Kerne - 24 Threads

30 MB Cache-Speicher - FCLGA4677 Socket - OEM

Gruppe	Prozessoren
Hersteller	Intel
Hersteller Art. Nr.	PK8071305554300
EAN/UPC	0675902120691



Beschreibung

Intel Xeon Silver Prozessoren bieten grundlegende Performance, verbesserte Arbeitsspeichergeschwindigkeit und Energieeffizienz. Hardware-verstärkte Performance für einfache Datenverarbeitung, Netzwerk und Speicher im Rechenzentrum.

Hauptmerkmale

Produktbeschreibung	Intel Xeon Silver 4510 / 2.4 GHz Prozessor - OEM
Produkttyp	Prozessor
Prozessortyp	Intel Xeon Silver 4510
Anz. der Kerne	12 Kerne / 24 Threads
Cache-Speicher	30 MB
Geeignete Sockel	FCLGA4677 Socket
Prozessoranz.	1
Taktfrequenz	2.4 GHz
Max. Turbo-Taktfrequenz	4.1 GHz
Herstellungsprozess	10 nm
Funktionen	Enhanced SpeedStep technology, Hyper-Threading-Technologie, Unterstützung für Execute Disable Bit, Intel Virtualization Technology, Intel 64 Technology, Intel Trusted Execution Technology, Intel Turbo Boost Technology 2.0, Intel AES New Instructions (AES-NI), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel TSX-NI, Intel Speed Shift Technology, Intel Advanced Vector Extensions 512 (AVX-512), Intel Volume Management Device (VMD), Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Intel vPro Platform Eligibility, Intel Speed Select technology - Performance Profile, 2 AVX-512 FMA-Einheiten, 64 GB max. Enclave Page Cache (EPC) Größe für Intel SGX, Intel Advanced Matrix Extensions (AMX), Intel Advanced Vector Extensions (AVX), Intel Advanced Vector Extensions 2 (AVX2.0), Intel Boot Guard, Intel Control-Flow Enforcement Technology, Intel Crypto Acceleration, Intel Data Streaming Accelerator (DSA), Intel OS Guard, Intel Platform Firmware Resilience Support, Intel QuickAssist Software Acceleration, Intel Software Guard Extensions (SGX) mit Intel SPS, Intel SSE4.2, Intel Total Memory Encryption, Intel Total Memory Encryption - Multi Key, Intel Transactional Synchronization Extensions (TSX), Intel Virtualization Technology for Directed (VT-x), Mode-based Execute Control (MBEC)

Ausführliche Details

	Allgemein
Produkttyp	Prozessor
	Prozessor
Typ / Formfaktor	Intel Xeon Silver 4510
Anz. der Kerne	12 Kerne
Anz. der Threads	24 Threads
Cache-Speicher	30 MB
Cache-Speicher-Details	Smart Cache - 30 MB
Prozessoranz.	1
Taktfrequenz	2.4 GHz
Max. Turbo-Taktfrequenz	4.1 GHz
Geeignete Sockel	FCLGA4677 Socket
Herstellungsprozess	10 nm
Thermal Design Power (TDP)	150 W
Temperaturspezifikationen	102 °C
PCI Express Revision	5.0
Anz. PCI Express Lanes	80
Architektur-Merkmale	Enhanced SpeedStep technology, Hyper-Threading-Technologie, Unterstützung für Execute Disable Bit, Intel Virtualization Technology, Intel 64 Technology, Intel Trusted Execution Technology, Intel Turbo Boost Technology 2.0, Intel AES New Instructions (AES-NI), Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel TSX-NI, Intel Speed Shift Technology, Intel Advanced Vector Extensions 512 (AVX-512), Intel Volume Management Device (VMD), Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Intel vPro Platform Eligibility, Intel Speed Select technology - Performance Profile, 2 AVX-512 FMA-Einheiten, 64 GB max. Enclave Page Cache (EPC) Größe für Intel SGX, Intel Advanced Matrix Extensions (AMX), Intel Advanced Vector Extensions (AVX), Intel Advanced Vector Extensions 2 (AVX2.0), Intel Boot Guard, Intel Control-Flow Enforcement Technology, Intel Crypto Acceleration, Intel Data Streaming Accelerator (DSA), Intel OS Guard, Intel Platform Firmware Resilience Support, Intel QuickAssist Software Acceleration, Intel Software Guard Extensions (SGX) mit Intel SPS, Intel SSE4.2, Intel Total Memory Encryption, Intel Total Memory Encryption - Multi Key, Intel Transactional Synchronization Extensions (TSX), Intel Virtualization Technology for Directed (VT-x), Mode-based Execute Control (MBEC)
	Verschiedenes
Verpackung	OEM/Tray

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