Lenovo Intel Xeon Silver 4416+ Prozessor 2 GHz 37,5 MB Box



Marke : Lenovo **Artikel-Code:** 4XG7A84169

Produktname : Intel Xeon Silver 4416+

Lenovo Intel Xeon Silver 4416+. Prozessorfamilie: Intel® Xeon Silver, Prozessorsockel: LGA 4677 (Socket E), Verpackungsart: Box. Speicherkanäle: Okta-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 6 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Nutzungsbedingungen: Server/Enterprise, Unterstützte Befehlssätze: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Unterstützung der maximalen Enklavengröße für Intel® SGX: 64 GB, Intel® QuickAssist-Technologie (QAT): 1 default devices, Intel® Dynamic Load Balancer (DLB): 1 default devices. RAM-Speicher maximal: 4 TB

Prozessor	
Prozessorhersteller *	Intel
Prozessorgeneration	Intel Xeon Scalable 4th Gen
Prozessor *	4416+
Grundfrequenz des Prozessors *	2 GHz
Prozessorfamilie *	Intel® Xeon Silver
Anzahl Prozessorkerne *	20
Prozessorsockel *	LGA 4677 (Socket E)
Prozessor-Serien	Intel Xeon Silver 4000 Series
Prozessor-Threads	40
Systembus-Rate	16 GT/s
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,9 GHz
Prozessor-Cache	37,5 MB
Thermal Design Power (TDP)	165 W
Verpackungsart *	Box
Kühler enthalten *	✗
Stepping	S3
Prozessor Codename	Sapphire Rapids
ARK Prozessorerkennung	232378

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	6 TB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speicherkanäle *	Okta-Kanal
ECC	✓

Grafik	
Eingebaute Grafikadapter *	✗
Separater Grafikadapter *	✗
Eingebautes Grafikkartenmodell *	Nicht verfügbar
Separates Grafikkartenmodell *	Nicht verfügbar

Merkmale	
Execute Disable Bit	✓
Marktsegment	Server
Nutzungsbedingungen	Server/Enterprise
Maximale Anzahl der PCI-Express-Lanes	80
PCI-Express-Slots-Version	5.0

Prozessor Besonderheiten	
Intel® Transactional Synchronization Extensions	✓
Intel® Total Memory Encryption	✓
Intel® Control-flow Enforcement Technology (CET)	✓
Intel® Crypto-Beschleunigung	✓
Unterstützung der Intel® Plattform-Firmware Resilience	✓
Unterstützung der maximalen Enklavengröße für Intel® SGX	64 GB
Intel® VT-x mit Extended Page Tables (EPT)	✓
Intel® OS Guard	✓
Intel® Software Guard Extensions (Intel® SGX)	✓
Intel® 64	✓
Intel® Virtualization Technologie (VT-X)	✓
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten	2
Intel® Boot Guard	✓
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Intel® Resource Director Technology (Intel® RDT)	✓
Modusbasierte Execute Control (MBE)	✓
Intel® Optane™ DC Persistent Memory unterstützt	✓
Intel® QuickAssist Software Acceleration	✓
Aktivierung von Intel® On Demand-Funktionen	✓
Intel® QuickAssist-Technologie (QAT)	1 default devices
Intel® Dynamic Load Balancer (DLB)	1 default devices
Intel® Data Streaming Accelerator (DSA)	1 default devices
Intel® In-memory Analytics Accelerator (IAA)	1 default devices

Merkmale	
Unterstützte Befehlssätze	AMX, SSE4.2, AVX, AVX 2.0, AVX-512
Skalierbarkeit	2S
Eingebettete Optionen verfügbar	✔
Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C
Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	G180729

Prozessor Besonderheiten	
Intel® Hyper-Threading-Technik (Intel® HT Technology)	✔
Intel® Turbo-Boost-Technologie	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel® Trusted-Execution-Technik	✔
Intel®-Speed-Shift-Technologie	✔

Prozessor Besonderheiten	
Intel® Advanced Matrix Extensions (AMX)	✔

Betriebsbedingungen	
Tcase	82 °C
DTS Max	94 °C

Technische Details	
Startdatum	Q1'23
Status	Launched
Unterstützte Arbeitsspeicher	DDR5-SDRAM
Speichergeschwindigkeit (max.)	4000 MHz
Anzahl der UPI-Links	2
Paketträger	E1B

Logistikdaten	
Warentarifnummer (HS)	8542310001

Sonstige Funktionen	
RAM-Speicher maximal	4 TB

0889488663347

889488663347

Catalog Object Cloud



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. Automated scraping, data mining, or harvesting for the purpose of training machine learning models, neural networks, or artificial intelligence systems is strictly prohibited without a commercial license.

Publication date: 21-NOV-2026. Prints or copies of Information are only valid on the printed Publication date