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



Marke : Lenovo **Artikel-Code:** 4XG7A85296

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



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Catalog Object Cloud



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