Lenovo Intel Xeon Gold 6526Y Prozessor 2,8 GHz 37,5 MB

Marke : Lenovo

Artikel-Code: 4XG7A91494

Produktname : Intel Xeon Gold 6526Y

Lenovo Intel Xeon Gold 6526Y. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 4677 (Socket E), Prozessor Lithografie: 7 nm. Speicherkanäle: Okta-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 4 TB, Speichertypen, vom Prozessor unterstützt: DDR5-SDRAM. Marktsegment: Server, Nutzungsbedingungen: Server/Enterprise, Unterstützte Befehlssätze: AMX, AVX, AVX 2.0, AVX-512, SSE4.2

Prozessor	
Prozessorhersteller *	Intel
Prozessorgeneration	Intel Xeon Scalable 5th Gen
Grundfrequenz des Prozessors *	2,8 GHz
Prozessorfamilie *	Intel® Xeon® Gold
Anzahl Prozessorkerne *	16
Prozessorsockel *	LGA 4677 (Socket E)
Prozessor Lithografie *	7 nm
Prozessor-Serien	Intel Xeon Gold 5000 Series
Prozessor-Threads	32
Intel® UPI-Geschwindigkeit	20 GT/s
Prozessorbetriebsmodi *	64-Bit
Kerne mit hoher Priorität	4
Frequenz des Kerns mit hoher Priorität	3 GHz
Kerne mit niedriger Priorität	12
Frequenz des Kerns mit niedriger Priorität	2,6 GHz
Prozessor-Cache	37,5 MB
Thermal Design Power (TDP)	195 W
Kühler enthalten *	✗

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	4 TB
Speichertypen, vom Prozessor unterstützt	DDR5-SDRAM
Speichertaktraten, vom Prozessor unterstützt	5200 MHz
Speicherkanäle *	Okta-Kanal
ECC	✓
Ohne ECC	✗

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

Merkmale	
Execute Disable Bit	✓
Marktsegment	Server
Nutzungsbedingungen	Server/Enterprise

Prozessor Besonderheiten	
Intel®-Speed-Shift-Technologie	✓
Intel® Transactional Synchronization Extensions	✓
Intel® Total Memory Encryption	✓
Intel® Control-flow Enforcement Technology (CET)	✓
Intel® Crypto-Beschleunigung	✓
Unterstützung der Intel® Plattform-Firmware Resilience	✓
Intel® Trust Domain Extensions (Intel® TDX)	✓
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)	✓
Intel® Volume Management Device (VMD)	✓
Intel® Run Sure Technology	✓
Modusbasierte Execute Control (MBE)	✓
Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✓
Intel® Total Memory Encryption - Multi Key	✓
Intel® QuickAssist Software Acceleration	✓
Intel® Data Streaming Accelerator (DSA)	1
Intel® Advanced Matrix Extensions (AMX)	✓

Merkmale	
Maximale Anzahl der PCI-Express-Lanes	80
PCI-Express-Slots-Version	5.0
Unterstützte Befehlssätze	AMX, AVX, AVX 2.0, AVX-512, SSE4.2
Skalierbarkeit	2S
Eingebettete Optionen verfügbar	✔

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	✔

Prozessor Besonderheiten	
Intel® Speed Select-Technologie – Kernleistung	✔
Intel® Speed Select-Technologie – Turbofrequenz	✔

Betriebsbedingungen	
Tcase	82 °C
DTS Max	99 °C

Technische Details	
Startdatum	Q4'23
Anzahl der UPI-Links	3
Paketträger	E1B
Instandhaltungsstatus	Baseline Servicing

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