Lenovo Intel Xeon Gold 5215L Prozessor 2,5 GHz 14 MB L3



Marke : Lenovo

Artikel-Code: 4XG7A15971

Produktname : Intel Xeon Gold 5215L

Lenovo Intel Xeon Gold 5215L. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 3647 (Socket P), Prozessor Lithografie: 14 nm. Speicherkanäle: Hexa-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 4,5 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX-512, Skalierbarkeit: 4S. Kompatibilität: ThinkSystem ST550

Prozessor	
Prozessorgeneration	Skalierbare Intel® Xeon® der 2. Generation
Prozessor *	5215L
Grundfrequenz des Prozessors *	2,5 GHz
Prozessorfamilie *	Intel® Xeon® Gold
Anzahl Prozessorkerne *	10
Prozessorsockel *	LGA 3647 (Socket P)
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	14 nm
Prozessor-Serien	Intel Xeon Gold 5000 Series
Prozessor-Threads	20
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,4 GHz
Prozessor-Cache	14 MB
Prozessor Cache Typ	L3
Thermal Design Power (TDP)	85 W
Kühler enthalten *	✗
Stepping	L1
Bus Typ	UPI
Prozessor Codename	Cascade Lake

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	4,5 TB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	2667 MHz
Speicherkanäle *	Hexa-Kanal
ECC	✓

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

Merkmale	
Execute Disable Bit	✓
Marktsegment	Server

Merkmale	
Eingebettete Optionen verfügbar	✗
Intel® Optane™-Speichermodul enthalten	✓

Prozessor Besonderheiten	
Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Intel® Turbo-Boost-Technologie	2.0
Intel® AES New Instructions (Intel® AES-NI)	✓
Verbesserte Intel SpeedStep Technologie	✓
Intel® Trusted-Execution-Technik	✓
Intel®-Speed-Shift-Technologie	✓
Intel® VT-x mit Extended Page Tables (EPT)	✓
Intel® TSX-NI	✓
Intel® 64	✓
Intel® Virtualization Technologie (VT-X)	✓
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Intel Turbo Boost Max Technology 3.0	✗
AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten	1
Intel® vPro™ Platform Eligibility	✓

Betriebsbedingungen	
Tcase	77 °C

Technische Details	
Intel® Run Sure Technik Version	✓
Intel® Volume Management Device (VMD) Version	✓
Modusbasierte Ausführungskontrolle (MBE) Version	✓
Anzahl der UPI-Links	2

Sonstige Funktionen	
Kompatibilität	ThinkSystem ST550

Merkmale	
Maximale Anzahl der PCI-Express-Lanes	48
PCI-Express-Slots-Version	3.0
Unterstützte Befehlssätze	AVX-512
Skalierbarkeit	4S

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Publication date: 20-NOV-2026. Prints or copies of Information are only valid on the printed Publication date