Lenovo Intel Xeon Gold 5220 Prozessor 2,2 GHz 25 MB L3



Marke : Lenovo

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Produktname : Intel Xeon Gold 5220

Lenovo Intel Xeon Gold 5220. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 3647 (Socket P), Prozessor Lithografie: 14 nm. Speicherkanäle: Hexa-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 1 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX-512, Skalierbarkeit: 4S. Kompatibilität: ThinkSystem SR550/SR590/SR650

Prozessor	
Prozessorgeneration	Skalierbare Intel® Xeon® der 2. Generation
Prozessor *	5220
Grundfrequenz des Prozessors *	2,2 GHz
Prozessorfamilie *	Intel® Xeon® Gold
Anzahl Prozessorkerne *	18
Prozessorsockel *	LGA 3647 (Socket P)
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	14 nm
Prozessor-Serien	Intel Xeon Gold 5000 Series
Prozessor-Threads	36
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,9 GHz
Prozessor-Cache	25 MB
Prozessor Cache Typ	L3
Thermal Design Power (TDP)	125 W
Kühler enthalten *	✗
Stepping	L1
Bus Typ	UPI
Prozessor Codename	Cascade Lake

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	1 TB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	2667 MHz
Speicherkanäle *	Hexa-Kanal
ECC	✓

Grafik	
Eingebaute Grafikadapter *	✗
Separater Grafikadapter *	✗

Merkmale	
Execute Disable Bit	✓
Marktsegment	Server
Maximale Anzahl der PCI-Express-Lanes	48
PCI-Express-Slots-Version	3.0
Unterstützte Befehlssätze	AVX-512
Skalierbarkeit	4S

Merkmale	
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	87 °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 SR550/SR590/SR650

Merkmale	
Eingebettete Optionen verfügbar	✕

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