Lenovo Intel Xeon Silver 4214R Prozessor 2,4 GHz 16,5 MB



Marke : Lenovo **Artikel-Code:** 4XG7A63086

Produktname : Intel Xeon Silver 4214R

Lenovo Intel Xeon Silver 4214R. Prozessorfamilie: Intel® Xeon Silver, Prozessorsockel: LGA 3647 (Socket P), Prozessor Lithografie: 14 nm. Speicherkanäle: Hepta-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 1 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX, AVX 2.0, AVX-512, SSE4.2, Skalierbarkeit: 2S

Prozessor	
Prozessorhersteller *	Intel
Prozessorgeneration	Skalierbare Intel® Xeon® der 2. Generation
Prozessor *	4214R
Grundfrequenz des Prozessors *	2,4 GHz
Prozessorfamilie *	Intel® Xeon Silver
Anzahl Prozessorkerne *	12
Prozessorsockel *	LGA 3647 (Socket P)
Prozessor Lithografie *	14 nm
Prozessor-Threads	24
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,5 GHz
Prozessor-Cache	16,5 MB
Thermal Design Power (TDP)	100 W
Kühler enthalten *	✗
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	2400 MHz
Speicherkanäle *	Hepta-Kanal
ECC	✓

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

Merkmale	
Execute Disable Bit	✓
Marktsegment	Server
Maximale Anzahl der PCI-Express-Lanes	48
PCI-Express-Slots-Version	3.0
Unterstützte Befehlssätze	AVX, AVX 2.0, AVX-512, SSE4.2
Skalierbarkeit	2S

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® Transactional Synchronization Extensions	✓
Intel® VT-x mit Extended Page Tables (EPT)	✓
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® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Intel® Speed Select-Technologie - Leistungsprofil (Intel® SST-PP)	✗
Intel® Resource Director Technology (Intel® RDT)	✓
Intel® Volume Management Device (VMD)	✓
Intel® Run Sure Technology	✗
Modusbasierte Execute Control (MBE)	✓
Intel® Optane™ DC Persistent Memory unterstützt	✗
Intel® vPro™ Platform Eligibility	✓
Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗

Betriebsbedingungen	
Tcase	79 °C

Merkmale	
Eingebettete Optionen verfügbar	✔



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