Lenovo Intel Xeon Gold 6238R Prozessor 2,2 GHz 38,5 MB



Marke : Lenovo

Artikel-Code: 4XG7A38080

Produktname : Intel Xeon Gold 6238R

Lenovo Intel Xeon Gold 6238R. 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, AVX 2.0, AVX-512, SSE4.2, Skalierbarkeit: 2S. Prozessor-Paketgröße: 76 x 56.5 mm. Kompatibilität: ThinkSystem SR650

Prozessor	
Prozessorhersteller *	Intel
Prozessorgeneration	Skalierbare Intel® Xeon® der 2. Generation
Prozessor *	6238R
Grundfrequenz des Prozessors *	2,2 GHz
Prozessorfamilie *	Intel® Xeon® Gold
Anzahl Prozessorkerne *	28
Prozessorsockel *	LGA 3647 (Socket P)
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	14 nm
Prozessor-Threads	56
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	4 GHz
Prozessor-Cache	38,5 MB
Thermal Design Power (TDP)	165 W
Kühler enthalten *	✗
Bus Typ	UPI
Anzahl der QPI links	2
Prozessor Codename	Cascade Lake

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	1 TB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	2933 MHz
Speicherkanäle *	Hexa-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

Merkmale	
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)	✓
Verbesserte Intel SpeedStep Technologie	✓
Intel® Trusted-Execution-Technik	✓
Intel®-Speed-Shift-Technologie	✓
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	2
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Intel® Speed Select-Technologie - Leistungsprofil (Intel® SST-PP)	✗
Intel® Volume Management Device (VMD)	✓
Intel® Optane™ DC Persistent Memory unterstützt	✓
Intel® vPro™ Platform Eligibility	✓
Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗

Betriebsbedingungen	
Tcase	89 °C

Gewicht und Abmessungen	
Prozessor-Paketgröße	76 x 56.5 mm

Sonstige Funktionen	
Kompatibilität	ThinkSystem SR650

Merkmale	
Skalierbarkeit	2S

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