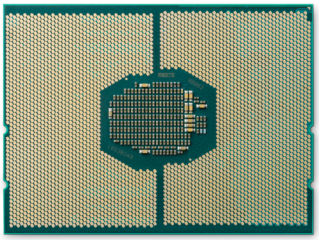
HP Intel Xeon Gold 5218R Prozessor 2,1 GHz 27,5 MB





Marke : HP

Artikel-Code: 9VA83AA

Produktname : Intel Xeon Gold 5218R

HP Intel Xeon Gold 5218R. 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	
Prozessorgeneration	Skalierbare Intel® Xeon® der 2. Generation
Prozessor *	5218R
Grundfrequenz des Prozessors *	2,1 GHz
Prozessorfamilie *	Intel® Xeon® Gold
Anzahl Prozessorkerne *	20
Prozessorsockel *	LGA 3647 (Socket P)
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	14 nm
Prozessor-Threads	40
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	4 GHz
Prozessor-Cache	27,5 MB
Thermal Design Power (TDP)	125 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	2667 MHz
Speicherkanäle *	Hexa-Kanal
ECC	✓
Grafik	
Eingebaute Grafikadapter *	✗
Separater Grafikadapter *	✗
Eingebautes Grafikkartenmodell *	Nicht verfügbar
Separates Grafikkartenmodell *	Nicht verfügbar
Merkmale	
Execute Disable Bit	✓

Merkmale	
HP-Segment	Business
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	1
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	87 °C

Merkmale		Logistikdaten	
Marktsegment	Server	Warentarifnummer (HS)	85423119
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		
Eingebettete Optionen verfügbar	✕		



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