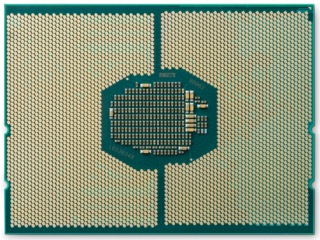
HP Intel Xeon Gold 5118 Prozessor 2,3 GHz 16,5 MB L3





Marke : HP

Artikel-Code: 1XM46AA

Produktname : Intel Xeon Gold 5118

HP Intel Xeon Gold 5118. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 3647 (Socket P), Prozessor Lithografie: 14 nm. Speicherkanäle: Hexa-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 768 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX, AVX 2.0, AVX-512, SSE4.2, Skalierbarkeit: S4S. Kompatibilität: HP Z6G4

Prozessor	
Prozessorgeneration	Skalierbare Intel® Xeon®
Prozessor *	5118
Grundfrequenz des Prozessors *	2,3 GHz
Prozessorfamilie *	Intel® Xeon® Gold
Anzahl Prozessorkerne *	12
Prozessorsockel *	LGA 3647 (Socket P)
Komponente für	Server/Arbeitsstation
Prozessor Lithografie *	14 nm
Prozessor-Serien	Intel Xeon Gold 5000 Series
Prozessor-Threads	24
Prozessorbetriebsmodi *	64-Bit
Prozessor Boost-Frequenz	3,2 GHz
Prozessor-Cache	16,5 MB
Prozessor Cache Typ	L3
Thermal Design Power (TDP)	105 W
Kühler enthalten *	✗
Bus Typ	UPI
Prozessor Codename	Skylake

Speicher	
Maximaler interner Speicher, vom Prozessor unterstützt	768 GB
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM
Speichertaktraten, vom Prozessor unterstützt	2400 MHz
Speicherkanäle *	Hexa-Kanal
ECC	✓

Grafik	
Eingebaute Grafikadapter *	✗

Merkmale	
Execute Disable Bit	✓
Marktsegment	Server

Merkmale	
Skalierbarkeit	S4S
Eingebettete Optionen verfügbar	✓
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® TSX-NI	✓
Intel® 64	✓
Intel® Virtualization Technologie (VT-X)	✓
Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Konfliktloser-Prozessor	✓
Intel Turbo Boost Max Technology 3.0	✗
Intel® Optane™ Memory-bereit	✗
Intel® vPro™ Platform Eligibility	✓

Betriebsbedingungen	
Tcase	81 °C

Logistikdaten	
Warentarifnummer (HS)	85423119

Sonstige Funktionen	
Kompatibilität	HP Z6G4

Merkmale	
Maximale Anzahl der PCI-Express-Lanes	48
PCI-Express-Slots-Version	3.0
Unterstützte Befehlssätze	AVX, AVX 2.0, AVX-512, SSE4.2



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