



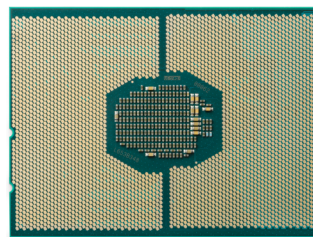
HP Intel Xeon Gold 6148 processore 2,4 GHz 27,5 MB L3

Marchio : HP

Codice prodotto: 1XM37AA

Nome del prodotto : Intel Xeon Gold 6148

HP Intel Xeon Gold 6148. Famiglia processore: Intel® Xeon® Gold, Presa per processore: LGA 3647 (Socket P), Litografia processore: 14 nm. Canali di memoria: Hexa-channel, Memoria interna massima supportata dal processore: 768 GB, Tipologie di memoria supportati dal processore: DDR4-SDRAM. Segmento di mercato: Server, Istruzioni supportate: AVX, AVX 2.0, AVX-512, SSE4.2, Scalabilità: S4S. Compatibilità: HP Z6G4



Processore

Generazione del processore	Scalabili Intel® Xeon®
Modello del processore *	6148
Frequenza base del processore *	2,4 GHz
Famiglia processore *	Intel® Xeon® Gold
Numero di core del processore *	20
Presa per processore *	LGA 3647 (Socket P)
Componente per	Server/workstation
Litografia processore *	14 nm
Serie di processore	Intel Xeon Gold 6000 Series
Numero di threads del processore	40
Modalità di funzionamento del processore *	64-bit
Frequenza del processore turbo massima	3,7 GHz
Cache processore	27,5 MB
Tipo di cache del processore	L3
Thermal Design Power (TDP)	150 W
Raffreddatore incluso *	✗
Tipo di bus	UPI
Nome in codice del processore	Skylake

Memoria

Memoria interna massima supportata dal processore	768 GB
Tipologie di memoria supportati dal processore	DDR4-SDRAM
Velocità memory clock supportate dal processore	2666 MHz
Canali di memoria *	Hexa-channel
Data Integrity Check (verifica integrità dati)	✓

Grafica

Scheda grafica integrata *	✗
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Caratteristiche

Execute Disable Bit	✓
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Caratteristiche

Numero massimo di corsie Express PCI	48
Versione degli slot PCI Express	3.0
Istruzioni supportate	AVX, AVX 2.0, AVX-512, SSE4.2
Scalabilità	S4S
Opzioni incorporate disponibili	✗

Caratteristiche speciali del processore

Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Tecnologia Intel® Turbo Boost	2.0
Intel® AES New Instructions (Intel® AES-NI)	✓
Tecnologia potenziata Intel SpeedStep	✓
Tecnologia Intel® Trusted Execution	✓
Tecnologia Intel® Speed Shift	✓
Intel® VT-x with Extended Page Tables (EPT)	✓
Intel® TSX-NI	✓
Intel® 64	✓
Tecnologia Intel® Virtualization (VT-x)	✓
Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Tecnologia Intel Turbo Boost Max 3.0	✗
Tecnologia Intel Optane pronta	✗
Ammissibilità della piattaforma Intel® vPro™	✓

Condizioni ambientali

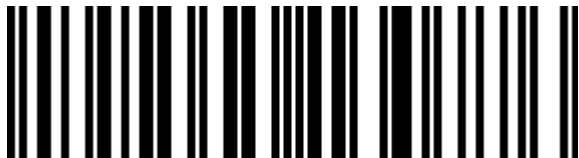
Tcase	86 °C
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Altre caratteristiche

Compatibilità	HP Z6G4
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Caratteristiche

Segmento di mercato	Server
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