



HP Intel Xeon Gold 5120 processor 2,2 GHz 19,25 MB L3

Merk : HP

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Productnaam : Intel Xeon Gold 5120

HP Intel Xeon Gold 5120. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithografie: 14 nm. Geheugen kanaal: Zeskanaals, Maximaal intern geheugen ondersteund door processor: 768 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: AVX, AVX 2.0, AVX-512, SSE4.2, Schaalbaarheid: 4S. Compatibiliteit: DL380 GEN10



Processor		Kenmerken	
Processorfabrikant *	Intel	Ondersteunde instructie sets	AVX, AVX 2.0, AVX-512, SSE4.2
Processorgeneratie	1e generatie Intel® Xeon® schaalbaar	Schaalbaarheid	4S
Processormodel *	5120	Ingebouwde opties beschikbaar	✗
Basisfrequentie processor *	2,2 GHz	HP-segment	Bedrijf
Processorfamilie *	Intel® Xeon® Gold	Processor speciale functies	
Aantal processorkernen *	14	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Turbo Boost Technology	2.0
Component voor	Server/werkplaats	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithografie *	14 nm	Enhanced Intel SpeedStep Technology	✓
Processorserie	Intel Xeon Gold 5000 Series	Intel® Trusted Execution Technology	✓
Processor aantal threads	28	Intel® Speed Shift-technologie	✓
Processor operating modes *	64-bit	Intel® VT-x with Extended Page Tables (EPT)	✓
Maximale turbofrequentie van processor	3,2 GHz	Intel® TSX-NI	✓
Processor cache	19,25 MB	Intel® 64	✓
Processor cache type	L3	Intel® Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	105 W	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	M0	Intel® Turbo Boost Max Technology 3.0	✗
Bus type	UPI	Intel® Optane™ Memory Ready	✗
Codenaam processor	Skylake	AVX-512 Fused Multiply-Add (FMA) eenheden	1
Geheugen		Intel® Volume Management Device (VMD)	✓
Maximaal intern geheugen ondersteund door processor	768 GB	Intel® Run Sure-technologie	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Mode-based Execute Control (MBE)	✓
Klokgeheugen-snelheden ondersteund door processor	2400 MHz	Intel® vPro™ Platform Eligibility	✓
Geheugen kanaal *	Zeskanaals	Eisen aan de omgeving	
ECC	✓	Tcase	81 °C
Grafisch		Overige specificaties	
Ingebouwde grafische adapter *	✗	Compatibiliteit	DL380 GEN10
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	48		
PCI Express slots versie	3.0		

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