

Lenovo Intel Xeon Gold 6248 processor 2,5 GHz 28 MB L3

Merk : Lenovo

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Productnaam : Intel Xeon Gold 6248



Lenovo Intel Xeon Gold 6248. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithografie: 14 nm. Geheugen kanaal: Zeskanaals, Maximaal intern geheugen ondersteund door processor: 1 TB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: AVX-512, Schaalbaarheid: 4S. Compatibiliteit: ThinkSystem SR650



Processor		Kenmerken	
Processorgeneratie	2e generatie Intel® Xeon® schaalbaar	Intel® Optane™-geheugenmodule inbegrepen	✓
Processormodel *	6248	Processor speciale functies	
Basisfrequentie processor *	2,5 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processorfamilie *	Intel® Xeon® Gold	Intel® Turbo Boost Technology	2.0
Aantal processorkernen *	20	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 3647 (Socket P)	Enhanced Intel SpeedStep Technology	✓
Component voor	Server/werkplaats	Intel® Trusted Execution Technology	✓
Processor lithografie *	14 nm	Intel® Speed Shift-technologie	✓
Processorserie	Intel Xeon Gold 6000 Series	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor aantal threads	40	Intel® TSX-NI	✓
Processor operating modes *	64-bit	Intel® 64	✓
Maximale turbofrequentie van processor	3,9 GHz	Intel® Virtualization Technology (VT-x)	✓
Processor cache	28 MB	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache type	L3	Intel® Turbo Boost Max Technology 3.0	✗
Thermal Design Power (TDP)	150 W	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Inclusief koeler *	✗	Intel® vPro™ Platform Eligibility	✓
Stepping	B1	Eisen aan de omgeving	
Bus type	UPI	Tcase	86 °C
Codenaam processor	Cascade Lake	Logistieke gegevens	
Geheugen		Code geharmoniseerd systeem (HS) 85423119	
Maximaal intern geheugen ondersteund door processor	1 TB	Technische details	
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Run Sure Technology versie	✓
Klokgeheugen-snelheden ondersteund door processor	2933 MHz	Intel® Volume Management Device (VMD) versie	✓
Geheugen kanaal *	Zeskanaals	Mode-based Execute Control (MBE) versie	✓
ECC	✓	Aantal UPI-koppelingen	3
Grafisch		Overige specificaties	
Ingebouwde grafische adapter *	✗	Compatibiliteit	ThinkSystem SR650
Aparte grafische adapter *	✗		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	48		
PCI Express slots versie	3.0		
Ondersteunde instructie sets	AVX-512		
Schaalbaarheid	4S		
Ingebouwde opties beschikbaar	✗		



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