



Lenovo Xeon Intel Gold 6430 processor 2,1 GHz 60 MB Box, -

Merk : Lenovo

Productfamilie: Xeon

Artikelcode: 4XG7A82861

Productnaam : Intel Xeon Gold 6430



Lenovo Xeon Intel Gold 6430. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 4677 (Socket E), Type verpakking: Box, -. Geheugen kanaal: Achtkanaals, Maximaal intern geheugen ondersteund door processor: 6 TB, Geheugentypen ondersteund door processor: DDR5-SDRAM. Marktsegment: Server, Gebruiksvoorwaarden: Server/Enterprise, Ondersteunde instructie sets: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 128 GB, Intel® Data Streaming Accelerator (DSA): 1 default devices. Verpakkingsgrootte processor: 77.5 x 56.5 mm

Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Speed Shift-technologie	✓
Processorgeneratie	Intel Xeon Scalable 4th Gen	Intel® Transactional Synchronization Extensions	✓
Processormodel *	6430	Intel® Total Memory Encryption	✓
Basisfrequentie processor *	2,1 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Processorfamilie *	Intel® Xeon® Gold	Intel® Crypto Acceleration	✓
Aantal processorkernen *	32	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Processor socket *	LGA 4677 (Socket E)	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	128 GB
Processor aantal threads	64	Intel® VT-x with Extended Page Tables (EPT)	✓
Systeembus	16 GT/s	Intel® OS Guard	✓
Processor operating modes *	64-bit	Intel® Software Guard Extensions (Intel® SGX)	✓
Maximale turbofrequentie van processor	3,4 GHz	Intel® 64	✓
Kernen met hoge prioriteit	12	Intel® Virtualization Technology (VT-x)	✓
Kernfrequentie met hoge prioriteit	2,2 GHz	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Kernen met lage prioriteit	20	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Kernfrequentie met lage prioriteit	1,8 GHz	Intel® Boot Guard	✓
Processor cache	60 MB	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	270 W	Intel® Resource Director-technologie (Intel® RDT)	✓
Type verpakking *	Box, -	Intel® Run Sure-technologie	✓
Inclusief koeler *	✗	Mode-based Execute Control (MBE)	✓
Stepping	E5	Intel® Optane™ DC Persistent Memory ondersteunt	✓
Codenaam processor	Sapphire Rapids	Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF)	✓
ARK ID processor	231737	Intel® QuickAssist-softwareversnelling	✓
Geheugen		Intel® On Demand Feature Activation	✓
Maximaal intern geheugen ondersteund door processor	6 TB	Intel® Data Streaming Accelerator (DSA)	1 default devices
Geheugentypen ondersteund door processor	DDR5-SDRAM	Intel® Advanced Matrix Extensions (AMX)	✓
Geheugen kanaal *	Achtkanaals		
ECC	✓		
Grafisch			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		

Kenmerken		Eisen aan de omgeving	
Gebruiksvoorwaarden	Server/Enterprise	Tcase	72 °C
Maximaal aantal PCI Express-lijnen	80	DTS Max	90 °C
PCI Express slots versie	5.0	Technische details	
Ondersteunde instructie sets	AMX, SSE4.2, AVX, AVX 2.0, AVX-512	Lanceringsdatum	Q1'23
Schaalbaarheid	2S	Status	Launched
Ingebouwde opties beschikbaar	✓	Ondersteunde geheugen types	DDR5-SDRAM
Export Control Classification Number (ECCN)	5A992C	Geheugensnelheid (max)	4400 MHz
Commodity Classification Automated Tracking System (CCATS)	G180729	Aantal UPI-koppelingen	3
Processor speciale functies		Pakketvervoerder (package carrier)	E1A
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Logistieke gegevens	
Intel® Turbo Boost Technology	2.0	Code geharmoniseerd systeem (HS)	8542310001
Intel® AES New Instructions (Intel® AES-NI)	✓	Gewicht en omvang	
Intel® Trusted Execution Technology	✓	Verpakkingsgrootte processor	77.5 x 56.5 mm
		Overige specificaties	
		Maximum intern geheugen	4 TB



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