



## Lenovo Intel Xeon Gold 6240 processor 2.6 GHz 25 MB L3

Brand : Lenovo

Product code: 4XG7A14428

Product name : Intel Xeon Gold 6240

Intel Xeon Gold 6240, 25M Cache, 2.6 GHz, 150 W TDP, FCLGA3647

Lenovo Intel Xeon Gold 6240. Processor family: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 1 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 4S. Compatibility: ThinkSystem SN550/SN850



Processor		Features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Optane™ Memory module included	✓
Processor model *	6240	<b>Processor special features</b>	
Processor base frequency *	2.6 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Xeon® Gold	Intel® Turbo Boost Technology	2.0
Processor cores *	18	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 3647 (Socket P)	Enhanced Intel SpeedStep Technology	✓
Component for	Server/workstation	Intel Trusted Execution Technology	✓
Processor lithography *	14 nm	Intel® Speed Shift Technology	✓
Processor series	Intel Xeon Gold 6000 Series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor threads	36	Intel TSX-NI	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3.9 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	25 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) units	2
Cooler included *	✗	Intel® vPro™ Platform Eligibility	✓
Stepping	B1	<b>Operational conditions</b>	
Bus type	UPI	Tcase	85 °C
Processor codename	Cascade Lake	<b>Technical details</b>	
<b>Memory</b>		Intel® Run Sure Technology version	✓
Maximum internal memory supported by processor	1 TB	Intel® Volume Management Device (VMD) version	✓
Memory types supported by processor	DDR4-SDRAM	Mode-based Execute Control (MBE) version	✓
Memory clock speeds supported by processor	2933 MHz	Number of UPI links	3
Memory channels *	Hexa-channel	<b>Other features</b>	
ECC	✓	Compatibility	ThinkSystem SN550/SN850
<b>Graphics</b>			
On-board graphics card *	✗		
Discrete graphics card *	✗		
<b>Features</b>			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		

## Features

PCI Express slots version	3.0
Supported instruction sets	AVX-512
Scalability	4S
Embedded options available	✘



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