



Lenovo Intel Xeon Gold 6256 processor 3.6 GHz 33 MB L3

Brand : Lenovo

Product code: 4XG7A38074

Product name : Intel Xeon Gold 6256



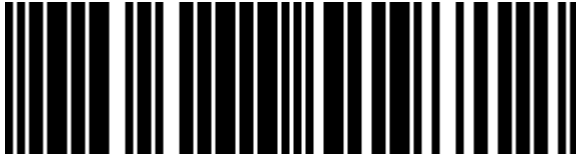
ThinkSystem SR650 Intel Xeon Gold 6256 12C 205W 3.6GHz Processor Option Kit w/o FAN

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ThinkSystem servers incorporate Intel Xeon Scalable Family processors to enable critical business workloads and applications. The Intel scalable design provides significant improvement in performance, advanced reliability, scalability and hardware-enhanced security. Enhancements include higher per-core performance, greater memory bandwidth, expanded I/O, and improved security. This page allows you compare the features of the processors.

Lenovo Intel Xeon Gold 6256. 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, Scalability: 2S

Processor		Memory	
Processor manufacturer *	Intel	Maximum internal memory supported by processor	1 TB
Processor generation	2nd Generation Intel® Xeon® Scalable	Memory types supported by processor	DDR4-SDRAM
Processor model *	6256	Memory clock speeds supported by processor	2933 MHz
Processor base frequency *	3.6 GHz	Memory channels *	Hexa-channel
Processor family *	Intel® Xeon® Gold	ECC	✓
Processor cores *	12	Graphics	
Processor socket *	LGA 3647 (Socket P)	On-board graphics card *	✗
Component for	Server/workstation	Discrete graphics card *	✗
Processor lithography *	14 nm	On-board graphics card model *	Not available
Processor series	Intel Xeon Gold 6000 Series	Discrete graphics card model *	Not available
Processor threads	24	Features	
System bus rate	10.4 GT/s	Market segment	Server
Processor operating modes *	64-bit	Maximum number of PCI Express lanes	48
Processor boost frequency	4.5 GHz	PCI Express slots version	3.0
Processor cache	33 MB	Scalability	2S
Processor cache type	L3		
Thermal Design Power (TDP)	205 W		
Cooler included *	✗		
Processor codename	Cascade Lake		



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