



Lenovo Intel Xeon Silver 4208 Processor Option Kit for ThinkSystem SR550/SR590/SR650

Brand : Lenovo

Product code: 4XG7A37935

Product name : Intel Xeon Silver 4208 Processor Option Kit for Lenovo ThinkSystem SR550/SR590/SR650



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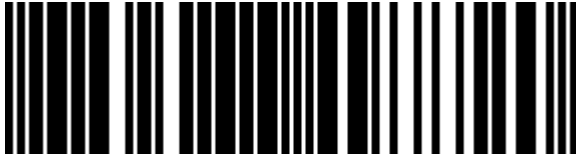
Processor Option Kit for ThinkSystem server for small businesses up to large enterprises that need industry-leading reliability, management, and security, as well as maximizing performance and flexibility for future growth.

Lenovo Intel Xeon Silver 4208 Processor Option Kit for ThinkSystem SR550/SR590/SR650. Processor family: Intel Xeon Silver, 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: 2S. Processor package size: 76 x 56.5 mm. Compatibility: ThinkSystem SR550, ThinkSystem SR590, ThinkSystem SR650

Processor		Features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Supported instruction sets	AVX-512
Processor model *	4208	Scalability	2S
Processor base frequency *	2.1 GHz	Embedded options available	✗
Processor family *	Intel Xeon Silver	Processor special features	
Processor cores *	8	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Turbo Boost Technology	2.0
Component for	Server/workstation	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor lithography *	14 nm	Enhanced Intel SpeedStep Technology	✓
Processor series	Intel Xeon Silver 4000 Series	Intel Trusted Execution Technology	✓
Processor threads	16	Intel® Speed Shift Technology	✓
Processor operating modes *	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor boost frequency	3.2 GHz	Intel TSX-NI	✓
Processor cache	11 MB	Intel 64	✓
Processor cache type	Smart Cache	Intel Virtualization Technology (VT-x)	✓
Thermal Design Power (TDP)	85 W	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Bus type	UPI	Intel Turbo Boost Max Technology 3.0	✗
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
Memory		Operational conditions	
Maximum internal memory supported by processor	1 TB	Tcase	78 °C
Memory types supported by processor	DDR4-SDRAM	Logistics data	
Memory clock speeds supported by processor	2400 MHz	Harmonized System (HS) code	85423119
Memory channels *	Hexa-channel	Weight & dimensions	
ECC	✓	Processor package size	76 x 56.5 mm
Graphics		Other features	
On-board graphics card *	✗	Compatibility	ThinkSystem SR550, ThinkSystem SR590, ThinkSystem SR650
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		

Features

Maximum number of PCI Express lanes	48
PCI Express slots version	3.0



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