



## Lenovo 4XG7A37935 processor 2.1 GHz 11 MB Smart Cache

Brand : Lenovo

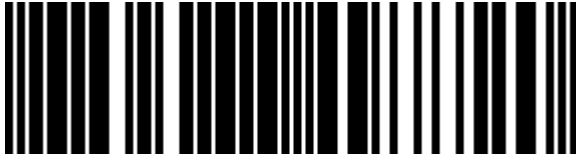
Product code: 4XG7A37935

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Intel Xeon Silver 4208 Processor Option Kit for Lenovo ThinkSystem SR550/SR590/SR650  
Lenovo 4XG7A37935. 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: 1000 GB, 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	PCI Express slots version	3.0
Processor model *	4208	Supported instruction sets	AVX-512
Processor base frequency *	2.1 GHz	Scalability	2S
Processor family *	Intel Xeon Silver	Embedded options available	✗
Processor cores *	8	Harmonized System (HS) code	85423119
Processor socket *	LGA 3647 (Socket P)	<b>Processor special features</b>	
Component for	Server/workstation	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor lithography *	14 nm	Intel® Turbo Boost Technology	2.0
Processor series	Intel Xeon Silver 4000 Series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor threads	16	Enhanced Intel SpeedStep Technology	✓
Processor operating modes *	64-bit	Intel Trusted Execution Technology	✓
Processor boost frequency	3.2 GHz	Intel® Speed Shift Technology	✓
Processor cache	11 MB	Intel VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel TSX-NI	✓
Thermal Design Power (TDP)	85 W	Intel 64	✓
Bus type	UPI	Intel Virtualization Technology (VT-x)	✓
Processor codename	Cascade Lake	Intel Virtualization Technology for Directed I/O (VT-d)	✓
<b>Memory</b>		Intel Turbo Boost Max Technology 3.0	✗
Maximum internal memory supported by processor	1000 GB	Intel® vPro™ Platform Eligibility	✓
Memory types supported by processor	DDR4-SDRAM	<b>Operational conditions</b>	
Memory clock speeds supported by processor	2400 MHz	Tcase	78 °C
Memory channels *	Hexa-channel	<b>Weight &amp; dimensions</b>	
ECC	✓	Processor package size	76 x 56.5 mm
<b>Graphics</b>		<b>Other features</b>	
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		
<b>Features</b>			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		



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