



Lenovo 4XG7A14811 processor 2.2 GHz 14 MB Smart Cache

Brand : Lenovo

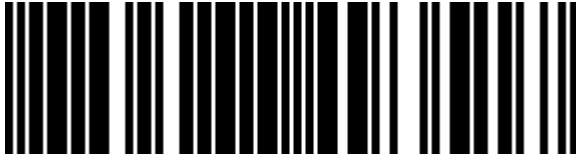
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Intel Xeon Silver 4210 Processor Option Kit for Lenovo ThinkSystem ST550
Lenovo 4XG7A14811. Processor family: Intel Xeon Silver, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory 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 ST550

Processor		Features	
Processor manufacturer *	Intel	PCI Express slots version	3.0
Processor generation	2nd Generation Intel® Xeon® Scalable	Supported instruction sets	AVX-512
Processor model *	4210	Scalability	2S
Processor base frequency *	2.2 GHz	Embedded options available	✓
Processor family *	Intel Xeon Silver	Processor special features	
Processor cores *	10	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	20	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	14 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 ST550
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		



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