



Lenovo Intel Xeon Silver 4209T processor 2.2 GHz 11 MB

Brand : Lenovo

Product code: 4XG7A37945

Product name : Intel Xeon Silver 4209T

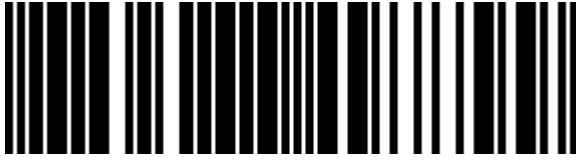
Intel Xeon Silver 4209T, 11M Cache, 2.2 GHz, 70 W TDP, FCLGA3647

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The SR650 server supports one or two Intel Xeon Bronze, Silver, Gold, or Platinum processors.
Lenovo Intel Xeon Silver 4209T. 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. Compatibility: ThinkSystem SR530/SR570/SR630



Processor		Processor special features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor model *	4209T	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2.2 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel Xeon Silver	Enhanced Intel SpeedStep Technology	✓
Processor cores *	8	Intel Trusted Execution Technology	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Speed Shift Technology	✓
Component for	Server/workstation	Intel VT-x with Extended Page Tables (EPT)	✓
Processor lithography *	14 nm	Intel TSX-NI	✓
Processor series	Intel Xeon Silver 4000 Series	Intel 64	✓
Processor threads	16	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache	11 MB	Intel Turbo Boost Max Technology 3.0	✗
Thermal Design Power (TDP)	70 W	AVX-512 Fused Multiply-Add (FMA) units	1
Cooler included *	✗	Intel® vPro™ Platform Eligibility	✓
Bus type	UPI	Operational conditions	
Processor codename	Cascade Lake	Tcase	91 °C
Memory		Technical details	
Maximum internal memory supported by processor	1 TB	Intel® Run Sure Technology version	✗
Memory types supported by processor	DDR4-SDRAM	Intel® Volume Management Device (VMD) version	✓
Memory clock speeds supported by processor	2400 MHz	Mode-based Execute Control (MBE) version	✓
Memory channels *	Hexa-channel	Number of UPI links	2
ECC	✓	Other features	
Graphics		Compatibility	ThinkSystem SR530/SR570/SR630
On-board graphics card *	✗		
Discrete graphics card *	✗		
Features			
Execute Disable Bit	✓		
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	AVX-512		
Scalability	2S		
Embedded options available	✗		
Intel® Optane™ Memory module included	✗		



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