



Lenovo Intel Xeon Gold 5215L processor 2.5 GHz 14 MB L3

Brand : Lenovo

Product code: 4XG7A37911

Product name : Intel Xeon Gold 5215L

Intel Xeon Gold 5215L, 14M Cache, 2.5 GHz, 85 W TDP, FCLGA3647

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The SR530 server supports one or two Intel Xeon Bronze, Silver, Gold, or Platinum processors of up to 125 W TDP.

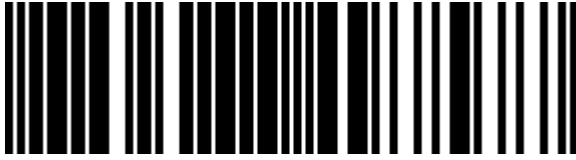
Lenovo Intel Xeon Gold 5215L. Processor family: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithography: 14 nm. Memory channels: Hexa-channel, Maximum internal memory supported by processor: 4.5 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX-512, Scalability: 4S. Compatibility: ThinkSystem SR530/SR570/SR630



Processor		Features	
Processor generation	2nd Generation Intel® Xeon® Scalable	Embedded options available	✗
Processor model *	5215L	Intel® Optane™ Memory module included	✓
Processor base frequency *	2.5 GHz	Processor special features	
Processor family *	Intel® Xeon® Gold	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor cores *	10	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 3647 (Socket P)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	Server/workstation	Enhanced Intel SpeedStep Technology	✓
Processor lithography *	14 nm	Intel Trusted Execution Technology	✓
Processor series	Intel Xeon Gold 5000 Series	Intel® Speed Shift Technology	✓
Processor threads	20	Intel VT-x with Extended Page Tables (EPT)	✓
Processor operating modes *	64-bit	Intel TSX-NI	✓
Processor boost frequency	3.4 GHz	Intel 64	✓
Processor cache	14 MB	Intel Virtualization Technology (VT-x)	✓
Processor cache type	L3	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Thermal Design Power (TDP)	85 W	Intel Turbo Boost Max Technology 3.0	✗
Cooler included *	✗	AVX-512 Fused Multiply-Add (FMA) units	1
Stepping	L1	Intel® vPro™ Platform Eligibility	✓
Bus type	UPI	Technical details	
Processor codename	Cascade Lake	Intel® Run Sure Technology version	✓
Memory		Intel® Volume Management Device (VMD) version	✓
Maximum internal memory supported by processor	4.5 TB	Mode-based Execute Control (MBE) version	✓
Memory types supported by processor	DDR4-SDRAM	Number of UPI links	2
Memory clock speeds supported by processor	2667 MHz	Other features	
Memory channels *	Hexa-channel	Compatibility	ThinkSystem SR530/SR570/SR630
ECC	✓		
Graphics			
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		

Features

Scalability	45
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