



Lenovo Intel Xeon Silver 4210R processor 2.4 GHz 13.75 MB Tray

Brand : Lenovo

Product code: 4XG7A37995

Product name : Intel Xeon Silver 4210R

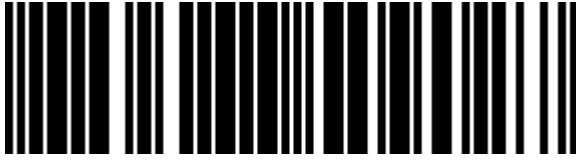
Intel Xeon Silver 4210R Processor (13.75MB Cache, up to 3.2 GHz)

Lenovo Intel Xeon Silver 4210R. 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, AVX 2.0, AVX-512, SSE4.2, Scalability: 2S. Processor package size: 76.0 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Turbo Boost Technology	2.0
Processor model *	4210R	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor base frequency *	2.4 GHz	Enhanced Intel SpeedStep Technology	✓
Processor family *	Intel Xeon Silver	Intel Trusted Execution Technology	✓
Processor cores *	10	Intel® Speed Shift Technology	✓
Processor socket *	LGA 3647 (Socket P)	Intel VT-x with Extended Page Tables (EPT)	✓
Component for	Server/workstation	Intel 64	✓
Processor lithography *	14 nm	Intel Virtualization Technology (VT-x)	✓
Processor threads	20	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor operating modes *	64-bit	Intel Turbo Boost Max Technology 3.0	✗
Processor boost frequency	3.2 GHz	AVX-512 Fused Multiply-Add (FMA) units	1
Processor cache	13.75 MB	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	100 W	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Package type *	Tray	Intel® Volume Management Device (VMD)	✓
Cooler included *	✗	Intel® Optane™ DC Persistent Memory Supported	✗
Processor codename	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
Processor ARK ID	197098	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Memory		Operational conditions	
Maximum internal memory supported by processor	1 TB	Tcase	84 °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	76.0 x 56.5 mm
Graphics			
On-board graphics card *	✗		
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		
PCI Express slots version	3.0		

Features	
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Scalability	25
Embedded options available	✓
PCI Express CEM revision	3.0



0889488509027



889488509027

Catalog Object Cloud



Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.