Fujitsu Intel Xeon Silver 4210R processor 2.4 GHz 13.75 MB

Brand : Fujitsu

Product name : Intel Xeon Silver 4210R

Product code: S26361-F4082-L811

Intel Xeon Silver 4210R, 13.75M Cache, 2.40 GHz, w/o Fan
Fujitsu 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 x 56.5 mm

Processor

Processor manufacturer *	Intel
Processor generation	2nd Generation Intel® Xeon® Scalable
Processor model *	4210R
Processor base frequency *	2.4 GHz
Processor family *	Intel Xeon Silver
Processor cores *	10
Processor socket *	LGA 3647 (Socket P)
Component for	Server/workstation
Processor lithography *	14 nm
Processor threads	20
Processor operating modes *	64-bit
Processor boost frequency	3.2 GHz
Processor cache	13.75 MB
Thermal Design Power (TDP)	100 W
Bus type	UPI
Number of QPI links	2
Processor codename	Cascade Lake

Memory

Maximum internal memory supported by processor	1 TB
Memory types supported by processor	DDR4-SDRAM
Memory clock speeds supported by processor	2400 MHz
Memory channels *	Hexa-channel
ECC	✔

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
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
Scalability	2S

Processor special features

Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Enhanced Intel SpeedStep Technology	✔
Intel Trusted Execution Technology	✔
Intel® Speed Shift Technology	✔
Intel VT-x with Extended Page Tables (EPT)	✘
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Turbo Boost Max Technology 3.0	✘
AVX-512 Fused Multiply-Add (FMA) units	1
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✔
Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✘
Intel® Volume Management Device (VMD)	✔
Intel® Optane™ DC Persistent Memory Supported	✘
Intel® vPro™ Platform Eligibility	✔
Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✘

Operational conditions

Tcase	84 °C

Logistics data

Harmonized System (HS) code	85423119

Weight & dimensions

Processor package size	76 x 56.5 mm

Features

Embedded options available	✔

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