

Intel Xeon 5218R processor 2.1 GHz 27.5 MB Box

Brand : Intel

Product family: Xeon

Product code: BX806955218R

Product name : 5218R

Intel Xeon Gold 5218R Processor (27.5MB Cache, up to 4 GHz)
 Intel Xeon 5218R. 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: 1.02 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Package width: 43 mm, Package depth: 137 mm, Package height: 112 mm. Processor package size: 76mm x 56.5mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Speed Shift Technology	✓
Processor generation	2nd Generation Intel® Xeon® Scalable	Intel® Transactional Synchronization Extensions	✓
Processor model *	5218R	Intel VT-x with Extended Page Tables (EPT)	✓
Processor base frequency *	2.1 GHz	Intel 64	✓
Processor family *	Intel® Xeon® Gold	Intel Virtualization Technology (VT-x)	✓
Processor cores *	20	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor socket *	LGA 3647 (Socket P)	Intel Turbo Boost Max Technology 3.0	✗
Component for	Server/workstation	AVX-512 Fused Multiply-Add (FMA) units	1
Processor lithography *	14 nm	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor threads	40	Intel® Speed Select technology - Performance Profile (Intel® SST-PP)	✗
Processor operating modes *	64-bit	Intel® Resource Director Technology (Intel® RDT)	✓
Processor boost frequency	4 GHz	Intel® Volume Management Device (VMD)	✓
Processor cache	27.5 MB	Intel® Run Sure Technology	✓
Thermal Design Power (TDP)	125 W	Mode-based Execute Control (MBE)	✓
Box *	✓	Intel® Optane™ DC Persistent Memory Supported	✓
Cooler included *	✓	Intel® vPro™ Platform Eligibility	✓
Processor codename	Cascade Lake	Intel Speed Select Technology (SST)	✗
Processor ARK ID	199342	Intel® Speed Select Technology - Base Frequency (Intel® SST-BF)	✗
Memory		Intel® Optane™ DC Persistent Memory technology	✓
Maximum internal memory supported by processor	1.02 TB	Operational conditions	
Memory types supported by processor	DDR4-SDRAM	Tcase	87 °C
Memory clock speeds supported by processor	2667 MHz	Technical details	
Memory channels *	Hexa-channel	Launch date	Q1'20
ECC	✓	Product type	Processor
Graphics		Status	Launched
On-board graphics card *	✗	Supported memory types	DDR4-SDRAM
Discrete graphics card *	✗	Memory speed (max)	2667 MHz
On-board graphics card model *	Not available	Number of UPI links	2
Discrete graphics card model *	Not available	Servicing status	Baseline Servicing
Features		Logistics data	
Execute Disable Bit	✓	Harmonized System (HS) code	85423119
Market segment	Server		
Maximum number of PCI Express lanes	48		
PCI Express slots version	3.0		
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512		
Scalability	2S		
Embedded options available	✗		

Features		Packaging data	
PCI Express CEM revision	3.0	Package width	43 mm
Export Control Classification Number (ECCN)	5A992C	Package depth	137 mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Package height	112 mm
		Package type	Retail box
Processor special features		Weight & dimensions	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Processor package size	76mm x 56.5mm
Intel® Turbo Boost Technology	2.0	Other features	
Intel® AES New Instructions (Intel® AES-NI)	✓	Maximum internal memory	1 TB
Enhanced Intel SpeedStep Technology	✓		
Intel Trusted Execution Technology	✓		



0675901818780



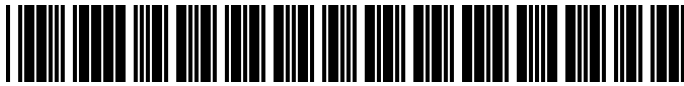
675901818780



5032037182133



0735858440561



735858440561

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.