

Intel Xeon 5218R processor 2,1 GHz 27,5 MB

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
CD8069504446300

Productnaam : 5218R



Intel Xeon 5218R. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 3647 (Socket P), Processor lithografie: 14 nm. Geheugen kanaal: Zeskanaals, Maximaal intern geheugen ondersteund door processor: 1,02 TB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: SSE4.2, AVX, AVX 2.0, AVX-512, Schaalbaarheid: 2S. Type verpakking: Retaildoos. Verpakkingsgrootte processor: 76mm x 56.5mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Enhanced Intel SpeedStep Technology	✓
Processorgeneratie	2e generatie Intel® Xeon® schaalbaar	Intel® Trusted Execution Technology	✓
Processormodel *	5218R	Intel® Speed Shift-technologie	✓
Basisfrequentie processor *	2,1 GHz	Intel® Transactional Synchronization Extensions	✓
Processorfamilie *	Intel® Xeon® Gold	Intel® VT-x with Extended Page Tables (EPT)	✓
Aantal processorkernen *	20	Intel® 64	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Virtualization Technology (VT-x)	✓
Component voor	Server/werkplaats	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Processor lithografie *	14 nm	Intel® Turbo Boost Max Technology 3.0	✗
Processor aantal threads	40	AVX-512 Fused Multiply-Add (FMA) eenheden	1
Processor operating modes *	64-bit	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Maximale turbofrequentie van processor	4 GHz	Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP)	✗
Processor cache	27,5 MB	Intel® Resource Director-technologie (Intel® RDT)	✓
Thermal Design Power (TDP)	125 W	Intel® Volume Management Device (VMD)	✓
Box *	✗	Intel® Run Sure-technologie	✓
Inclusief koeler *	✗	Mode-based Execute Control (MBE)	✓
Codenaam processor	Cascade Lake	Intel® Optane™ DC Persistent Memory ondersteunt	✓
ARK ID processor	199342	Intel® vPro™ Platform Eligibility	✓
Geheugen		Intel Speed Select-technologie (SST)	✗
Maximaal intern geheugen ondersteund door processor	1,02 TB	Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF)	✗
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Optane™ DC Persistent Memory-technologie	✓
Klokgeheugen-snelheden ondersteund door processor	2667 MHz	Eisen aan de omgeving	
Geheugen kanaal *	Zeskanaals	Tcase	87 °C
ECC	✓	Technische details	
Grafisch		Lanceringsdatum	Q1'20
Ingebouwde grafische adapter *	✗	Type product	Processor
Aparte grafische adapter *	✗	Status	Launched
On-board graphics adapter model *	Niet beschikbaar	Ondersteunde geheugen types	DDR4-SDRAM
Discreet grafische adapter model *	Niet beschikbaar	Geheugensnelheid (max)	2667 MHz
Kenmerken		Aantal UPI-koppelingen	2
Execute Disable Bit	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	48		
PCI Express slots versie	3.0		
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512		
Schaalbaarheid	2S		
Ingebouwde opties beschikbaar	✗		

Kenmerken		Technische details	
PCI Express CEM revisie	3.0	Onderhoudsstatus	Baseline Servicing
Export Control Classification Number (ECCN)	5A992C	Logistieke gegevens	
Commodity Classification Automated Tracking System (CCATS)	G077159	Code geharmoniseerd systeem (HS) 85423119	
Processor speciale functies		Verpakking	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Type verpakking	Retaildoos
Intel® Turbo Boost Technology	2.0	Gewicht en omvang	
Intel® AES New Instructions (Intel® AES-NI)	✓	Verpakkingsgrootte processor	76mm x 56.5mm
		Overige specificaties	
		Maximum intern geheugen	1 TB



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