

Intel Xeon 4210R processor 2,4 GHz 13,75 MB

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
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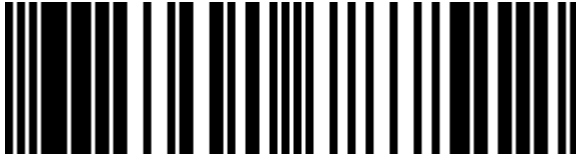
Productnaam : 4210R

Intel Xeon 4210R. Processorfamilie: Intel® Xeon® Silver, 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. Breedte verpakking: 43 mm, Diepte verpakking: 137 mm, Hoogte verpakking: 112 mm. Verpakkingsgrootte processor: 76mm x 56.5mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Trusted Execution Technology	✓
Processorgeneratie	2e generatie Intel® Xeon® schaalbaar	Intel® Speed Shift-technologie	✓
Processormodel *	4210R	Intel® Transactional Synchronization Extensions	✓
Basisfrequentie processor *	2,4 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processorfamilie *	Intel® Xeon® Silver	Intel® 64	✓
Aantal processorkernen *	10	Intel® Virtualization Technology (VT-x)	✓
Processor socket *	LGA 3647 (Socket P)	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Component voor	Server/werkplaats	Intel® Turbo Boost Max Technology 3.0	✗
Processor lithografie *	14 nm	AVX-512 Fused Multiply-Add (FMA) eenheden	1
Processor aantal threads	20	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Processor operating modes *	64-bit	Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP)	✗
Maximale turbofrequentie van processor	3,2 GHz	Intel® Resource Director-technologie (Intel® RDT)	✓
Processor cache	13,75 MB	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	100 W	Intel® Run Sure-technologie	✗
Box *	✗	Mode-based Execute Control (MBE)	✓
Inclusief koeler *	✗	Intel® Optane™ DC Persistent Memory ondersteunt	✗
Codenaam processor	Cascade Lake	Intel® vPro™ Platform Eligibility	✓
ARK ID processor	197098	Intel Speed Select-technologie (SST)	✗
Geheugen		Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF)	✗
Maximaal intern geheugen ondersteund door processor	1,02 TB	Intel® Optane™ DC Persistent Memory-technologie	✗
Geheugentypen ondersteund door processor	DDR4-SDRAM	Eisen aan de omgeving	
Klokgeheugen-snelheden ondersteund door processor	2400 MHz	Tcase	84 °C
Geheugen kanaal *	Zeskanaals	Technische details	
ECC	✓	Lanceringsdatum	Q1'20
Grafisch		Type product	Processor
Ingebouwde grafische adapter *	✗	Status	Launched
Aparte grafische adapter *	✗	Ondersteunde geheugen types	DDR4-SDRAM
On-board graphics adapter model *	Niet beschikbaar	Geheugensnelheid (max)	2400 MHz
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
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		

Kenmerken		Technische details	
Schaalbaarheid	25	Aantal UPI-koppelingen	2
Ingebouwde opties beschikbaar	✓	Onderhoudsstatus	Baseline Servicing
PCI Express CEM revisie	3.0	Logistieke gegevens	
Export Control Classification Number (ECCN)	5A992C	Code geharmoniseerd systeem (HS) 85423119	
Commodity Classification Automated Tracking System (CCATS)	G077159	Verpakking	
Processor speciale functies		Breedte verpakking	43 mm
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Diepte verpakking	137 mm
Intel® Turbo Boost Technology	2.0	Hoogte verpakking	112 mm
Intel® AES New Instructions (Intel® AES-NI)	✓	Type verpakking	Retaildoos
Enhanced Intel SpeedStep Technology	✓	Gewicht en omvang	
		Verpakkingsgrootte processor	76mm x 56.5mm
		Overige specificaties	
		Maximum intern geheugen	1 TB



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