

Intel Xeon 4210 processor 2,2 GHz 13,75 MB Box

Merk : Intel

Productfamilie: Xeon

Artikelcode: BX806954210

Productnaam : 4210

Intel Xeon 4210. 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 *	4210	Intel® Transactional Synchronization Extensions	✓
Basisfrequentie processor *	2,2 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processorfamilie *	Intel® Xeon® Silver	Intel® TSX-NI	✓
Aantal processorkernen *	10	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	20	AVX-512 Fused Multiply-Add (FMA) eenheden	1
Processor operating modes *	64-bit	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Maximale turbofrequentie van processor	3,2 GHz	Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP)	✗
Processor cache	13,75 MB	Intel® Resource Director-technologie (Intel® RDT)	✓
Thermal Design Power (TDP)	85 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	193384	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	2400 MHz	Eisen aan de omgeving	
Geheugen kanaal *	Zeskanaals	Tcase	78 °C
ECC	✓	Technische details	
Grafisch		Lanceringsdatum	Q2'19
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		
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	Geheugensnelheid (max)	2400 MHz
Ingebouwde opties beschikbaar	✓	Aantal UPI-koppelingen	2
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)	✓	Breedte verpakking	43 mm
Intel® Turbo Boost Technology	2.0	Diepte verpakking	137 mm
Intel® AES New Instructions (Intel® AES-NI)	✓	Hoogte verpakking	112 mm
Enhanced Intel SpeedStep Technology	✓	Gewicht verpakking	201 g
		Type verpakking	Retaildoos
		Gewicht en omvang	
		Verpakkingsgrootte processor	76mm x 56.5mm
		Overige specificaties	
		Maximum intern geheugen	1 TB



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