



DELL Xeon 5218 processor 2,3 GHz 22 MB

Merk : DELL

Productfamilie: Xeon

Artikelcode: 338-BRVS

Productnaam : 5218

Intel Xeon Gold 5218 (22MB Cache, 2.3GHz, 3.7GHz Turbo)

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De Intel Xeon® 5218 2.3GHz zestien Core processor verbetert de prestaties en de snelheid van uw systeem. Bovendien maakt de Virtualization Technology de migratie van meer omgevingen mogelijk. De processor ondersteunt geavanceerde Speedstep® -technologie, waardoor een balans kan worden gevonden tussen prestaties en stroomverbruik.

De Thermal Monitoring Technologies beschermen de processor en het systeem tegen thermische fouten via verschillende thermische beheerfuncties. De VT-x met uitgebreide paginatabelen (EPT), ook bekend als SLAT (Second Level Address Translation), zorgt voor versnelling van gevirtualiseerde applicaties die veel geheugen gebruiken. De Xeon 5218 2.3GHz processor zit boordevol functies en is de ideale keuze voor vrijwel alle veeleisende of standaardapplicaties in uw bedrijfsinfrastructuur.



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Enhanced Intel SpeedStep Technology	✓
Processorgeneratie	2e generatie Intel® Xeon® schaalbaar	Intel® Trusted Execution Technology	✓
Processormodel *	5218	Intel® Speed Shift-technologie	✓
Basisfrequentie processor *	2,3 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processorfamilie *	Intel® Xeon® Gold	Intel® TSX-NI	✓
Aantal processorkernen *	16	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	32	AVX-512 Fused Multiply-Add (FMA) eenheden	1
Processor operating modes *	64-bit	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Maximale turbofrequentie van processor	3,9 GHz	Intel® Resource Director-technologie (Intel® RDT)	✓
Processor cache	22 MB	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	125 W	Intel® Run Sure-technologie	✓
Box *	✗	Mode-based Execute Control (MBE)	✓
Inclusief koeler *	✗	Intel® vPro™ Platform Eligibility	✓
Codenaam processor	Cascade Lake	Intel Speed Select-technologie (SST)	✗
ARK ID processor	192444	Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF)	✗
Geheugen		Intel® Optane™ DC Persistent Memory-technologie	✓
Maximaal intern geheugen ondersteund door processor	1,02 TB	Eisen aan de omgeving	
Geheugentypen ondersteund door processor	DDR4-SDRAM	Tcase	87 °C
Klokgeheugen-snelheden ondersteund door processor	2667 MHz	Technische details	
Geheugen kanaal *	Zeskanaals	Lanceringsdatum	Q2'19
ECC	✓	Type product	Processor
Grafisch		Status	Launched
Ingebouwde grafische adapter *	✗	Geheugensnelheid (max)	2667 MHz
Aparte grafische adapter *	✗	Aantal UPI-koppelingen	2
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		
Maximaal aantal PCI Express-lijnen	48		

Kenmerken		Logistieke gegevens	
PCI Express slots versie	3.0	Code geharmoniseerd systeem (HS) 85423119	
Ondersteunde instructie sets	AVX-512	Gewicht en omvang	
Schaalbaarheid	4S	Verpakkingsgrootte processor	76.0 x 56.5 mm
Ingebouwde opties beschikbaar	✗	Overige specificaties	
PCI Express CEM revisie	3.0		
Processor speciale functies			
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Compatibiliteit - PowerEdge R640 - PowerEdge R740 - PowerEdge R940 - PowerEdge R740XD - PowerEdge C6420 - PowerEdge R440 - PowerEdge T640 - PowerEdge FC640 - PowerEdge M640 - PowerEdge M640 VRTX - PowerEdge R540 - PowerEdge C4140 - PowerEdge R840 - PowerEdge R940xa - PowerEdge MX740C - PowerEdge MX840c - PowerEdge R740xd2 - PowerEdge XR2	
Intel® Turbo Boost Technology	2.0		
Intel® AES New Instructions (Intel® AES-NI)	✓		



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Publication date: 27-SEP-2024. Prints or copies of Information are only valid on the printed Publication date