

Intel Xeon W-2295 processor 3 GHz 24,75 MB

Merk : Intel

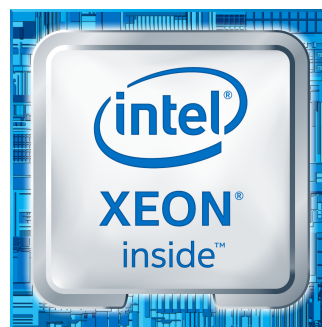
Productfamilie: Xeon

 Artikelcode:
CD8069504393000

Productnaam : W-2295

- ECC
- Execute Disable Bit
- Idle States
- Thermal Monitoring Technologies
- Physical Address Extension (PAE)
- Intel® vPro™ Platform Eligibility
- Intel® Boot Guard
- Intel® Deep Learning Boost (Intel® DL Boost)
- Intel® 64
- Intel® Hyper Threading Technology (Intel® HT Technology)

W-2295, 3 GHz, LGA 2066 (Socket R4), 64-bit, 24,75 MB, 1024 GB, DDR4-SDRAM,
 Intel Xeon W-2295. Processorfamilie: Intel® Xeon® W, Processor socket: LGA 2066 (Socket R4),
 Processor lithografie: 14 nm. Geheugen kanaal: Vierkanaals, Maximaal intern geheugen ondersteund
 door processor: 1,02 TB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment:
 Workstation, Ondersteunde instructie sets: SSE4.2, AVX, AVX 2.0, AVX-512, Schaalbaarheid: 1S. Intel®
 Turbo Boost Max Technology 3.0 frequency: 4,8 GHz. Verpakkingsgrootte processor: 45mm x 52.5mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processormodel *	W-2295	Intel® Identity Protection Technology (Intel® IPT)	✓
Basisfrequentie processor *	3 GHz	Intel® Turbo Boost Technology	2.0
Processorfamilie *	Intel® Xeon® W	Intel® AES New Instructions (Intel® AES-NI)	✓
Aantal processorkernen *	18	Enhanced Intel SpeedStep Technology	✓
Processor socket *	LGA 2066 (Socket R4)	Intel® Trusted Execution Technology	✓
Component voor	Server/werkplaats	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor lithografie *	14 nm	Intel® Speed Shift-technologie	✓
Processor aantal threads	36	Intel® Turbo Boost Max Technology 3.0 frequency	4,8 GHz
Systeembus	8 GT/s	Intel® Transactional Synchronization Extensions	✓
Processor operating modes *	64-bit	Intel® VT-x with Extended Page Tables (EPT)	✓
Maximale turbofrequentie van processor	4,6 GHz	Intel® Demand Based Switching	✓
Processor cache	24,75 MB	Intel® Secure Key	✓
Thermal Design Power (TDP)	165 W	Intel® TSX-NI	✓
Box *	✗	Intel® OS Guard	✓
Inclusief koeler *	✗	Intel® Software Guard Extensions (Intel® SGX)	✗
Geheugenbandbreedte ondersteund door de processor (max)	93,85 GB/s	Intel® 64	✓
Codenaam processor	Cascade Lake	Intel® Virtualization Technology (VT-x)	✓
ARK ID processor	198011	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Geheugen		Intel® Turbo Boost Max Technology 3.0	✓
Maximaal intern geheugen ondersteund door processor	1,02 TB	Intel® Optane™ Memory Ready	✗
Geheugentypen ondersteund door processor	DDR4-SDRAM	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Klokgeheugen-snelheden ondersteund door processor	2933 MHz	Intel® Boot Guard	✓
Geheugen kanaal *	Vierkanaals	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ECC	✓		
Grafisch			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		

Kenmerken		Processor speciale functies	
Execute Disable Bit	✓	Intel® Volume Management Device (VMD)	✓
Idle States	✓	Intel® vPro™ Platform Eligibility	✓
Thermal Monitoring Technologies	✓	Eisen aan de omgeving	
Marktsegment	Workstation	Tcase	61 °C
Maximaal aantal PCI Express-lijnen	48	Technische details	
PCI Express slots versie	3.0	Lanceringsdatum	Q4'19
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Type product	Processor
Schaalbaarheid	1S	Status	Launched
Physical Address Extension (PAE)	✓	Ondersteunde geheugen types	DDR4-SDRAM
CPU configuratie (max)	1	Bussnelheid	8 GT/s
Ingebouwde opties beschikbaar	✗	Logistieke gegevens	
Physical Address Extension (PAE)	46 Bit	Code geharmoniseerd systeem (HS)	85423119
PCI Express CEM revisie	3.0	Gewicht en omvang	
Export Control Classification Number (ECCN)	5A992C	Verpakkingsgrootte processor	45mm x 52.5mm
Commodity Classification Automated Tracking System (CCATS)	G077159	Overige specificaties	
		Maximum intern geheugen	1 TB



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