

Intel Xeon W-2235 processor 3,8 GHz 8,25 MB

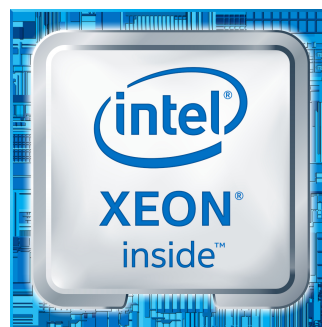
Merk : Intel

Productfamilie: Xeon

 Artikelcode:
CD8069504439102

Productnaam : W-2235

Intel Xeon W-2235. 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, PCI Express configuraties: 1x4, 1x8, 1x16, Ondersteunde instructie sets: SSE4.2, AVX, AVX 2.0, AVX-512. Breedte verpakking: 44 mm, Diepte verpakking: 116 mm, Hoogte verpakking: 101 mm. Verpakkingsgrootte processor: 45mm x 52.5mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processormodel *	W-2235	Intel® Identity Protection Technology (Intel® IPT)	✓
Basisfrequentie processor *	3,8 GHz	Intel® Turbo Boost Technology	2.0
Processorfamilie *	Intel® Xeon® W	Intel® Flex Memory Access	✗
Aantal processorkernen *	6	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor socket *	LGA 2066 (Socket R4)	Enhanced Intel SpeedStep Technology	✓
Component voor	Server/werkplaats	Intel® Trusted Execution Technology	✓
Processor lithografie *	14 nm	Intel® Memory Protection Extensions (Intel® MPX)	✓
Processor aantal threads	12	Intel® Speed Shift-technologie	✓
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	8,25 MB	Intel® Secure Key	✓
Thermal Design Power (TDP)	130 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	198608	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	✓	Intel® Volume Management Device (VMD)	✓
Grafisch		Intel® vPro™ Platform Eligibility	✓
Ingebouwde grafische adapter *	✗	Eisen aan de omgeving	
Aparte grafische adapter *	✗	Tcase	64 °C
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Marktsegment	Workstation		

Kenmerken		Technische details	
Maximaal aantal PCI Express-lijnen	48	Lanceringsdatum	Q4'19
PCI Express slots versie	3.0	Type product	Processor
PCI Express configuraties	1x4, 1x8, 1x16	Status	Launched
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Ondersteunde geheugen types	DDR4-SDRAM
Schaalbaarheid	1S	Bussnelheid	8 GT/s
Physical Address Extension (PAE)	✓	Logistieke gegevens	
CPU configuratie (max)	1	Code geharmoniseerd systeem (HS)	
Ingebouwde opties beschikbaar	✗	85423119	
Physical Address Extension (PAE)	46 Bit	Verpakking	
PCI Express CEM revisie	3.0	Breedte verpakking	44 mm
Export Control Classification	5A992C	Diepte verpakking	116 mm
Number (ECCN)		Hoogte verpakking	101 mm
Commodity Classification		Type verpakking	Retaildoos
Automated Tracking System (CCATS)		Gewicht en omvang	
	G077159	Verpakkingsgrootte processor	45mm x 52.5mm
		Overige specificaties	
		Maximum intern geheugen	1 TB



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