

Intel Xeon W-2255 processor 3,7 GHz 19,25 MB

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
 CD8069504393600

Productnaam : W-2255



Intel Xeon W-2255. 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: 4,7 GHz. Verpakkingsgrootte processor: 45mm x 52.5mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processormodel *	W-2255	Intel® Identity Protection Technology (Intel® IPT)	✓
Basisfrequentie processor *	3,7 GHz	Intel® Turbo Boost Technology	2.0
Processorfamilie *	Intel® Xeon® W	Intel® AES New Instructions (Intel® AES-NI)	✓
Aantal processorkernen *	10	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	20	Intel® Turbo Boost Max Technology 3.0 frequency	4,7 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	4,5 GHz	Intel® Demand Based Switching	✓
Processor cache	19,25 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	198016	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 *	✗		
Aparte grafische adapter *	✗		
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		Eisen aan de omgeving	
Maximaal aantal PCI Express-lijnen	48	Tcase	62 °C
PCI Express slots versie	3.0	Technische details	
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Lanceringsdatum	Q4'19
Schaalbaarheid	1S	Type product	Processor
Physical Address Extension (PAE)	✓	Status	Launched
CPU configuratie (max)	1	Ondersteunde geheugen types	DDR4-SDRAM
Ingebouwde opties beschikbaar	✗	Bussnelheid	8 GT/s
Physical Address Extension (PAE)	46 Bit	Logistieke gegevens	
PCI Express CEM revisie	3.0	Code geharmoniseerd systeem (HS)	85423119
Export Control Classification Number (ECCN)	5A992C	Gewicht en omvang	
Commodity Classification Automated Tracking System (CCATS)	G077159	Verpakkingsgrootte processor	45mm x 52.5mm
		Overige specificaties	
		Maximum intern geheugen	1 TB



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