

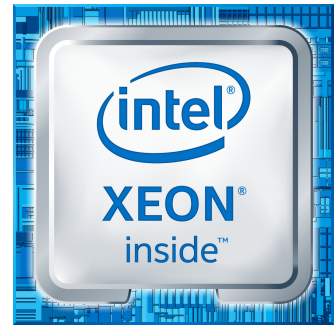
Intel Xeon W-2255 Prozessor 3,7 GHz 19,25 MB

Marke : Intel

Produktfamilie: Xeon

Artikel-Code:
CD8069504393600

Produktname : W-2255



Intel® Xeon® W-2255 Prozessor (19,25 MB Cache, 3,70 GHz)

Intel Xeon W-2255. Prozessorfamilie: Intel® Xeon® W, Prozessorsockel: LGA 2066 (Socket R4), Prozessor Lithografie: 14 nm. Speicherkanäle: Vierfach-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 1,02 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Arbeitsstation, Unterstützte Befehlssätze: SSE4.2, AVX, AVX 2.0, AVX-512, Skalierbarkeit: 1S. Intel® Turbo Boost Max Technology 3.0 frequency: 4,7 GHz. Prozessor-Paketgröße: 45mm x 52.5mm



Prozessor		Prozessor Besonderheiten	
Prozessorhersteller *	Intel	Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Prozessor *	W-2255	Intel® Identity-Protection-Technologie (Intel® IPT)	✓
Grundfrequenz des Prozessors *	3,7 GHz	Intel® Turbo-Boost-Technologie	2.0
Prozessorfamilie *	Intel® Xeon® W	Intel® AES New Instructions (Intel® AES-NI)	✓
Anzahl Prozessorkerne *	10	Verbesserte Intel SpeedStep Technologie	✓
Prozessorsockel *	LGA 2066 (Socket R4)	Intel® Trusted-Execution-Technik	✓
Komponente für	Server/Arbeitsstation	Intel® Schutz Speichererweiterungen (Intel® MPX)	✓
Prozessor Lithografie *	14 nm	Intel®-Speed-Shift-Technologie	✓
Prozessor-Threads	20	Intel® Turbo Boost Max Technology 3.0 frequency	4,7 GHz
Systembus-Rate	8 GT/s	Intel® Transactional Synchronization Extensions	✓
Prozessorbetriebsmodi *	64-Bit	Intel® VT-x mit Extended Page Tables (EPT)	✓
Prozessor Boost-Frequenz	4,5 GHz	Intel® Demand Based Switching	✓
Prozessor-Cache	19,25 MB	Intel® Sicherer Schlüssel	✓
Thermal Design Power (TDP)	165 W	Intel® TSX-NI	✓
Box *	✗	Intel® OS Guard	✓
Kühler enthalten *	✗	Intel® Software Guard Extensions (Intel® SGX)	✗
Durch den Prozessor (max) unterstützte Speicherbandbreite	93,85 GB/s	Intel® 64	✓
Prozessor Codename	Cascade Lake	Intel® Virtualization Technologie (VT-X)	✓
ARK Prozessorerkennung	198016	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Speicher		Intel Turbo Boost Max Technology 3.0	✓
Maximaler interner Speicher, vom Prozessor unterstützt	1,02 TB	Intel® Optane™ Memory-bereit	✗
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM	AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten	2
Speichertaktraten, vom Prozessor unterstützt	2933 MHz	Intel® Boot Guard	✓
Speicherkanäle *	Vierfach-Kanal	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ECC	✓	Intel® Volume Management Device (VMD)	✓
Grafik		Intel® vPro™ Platform Eligibility	✓
Eingebaute Grafikkadaper *	✗		
Separater Grafikkadaper *	✗		
Eingebautes Grafikkartenmodell *	Nicht verfügbar		
Separates Grafikkartenmodell *	Nicht verfügbar		
Merkmale			
Execute Disable Bit	✓		
Leerlauf Zustände	✓		
Thermal-Überwachungstechnologien	✓		
Marktsegment	Arbeitsstation		

Merkmale		Betriebsbedingungen	
Maximale Anzahl der PCI-Express-Lanes	48	Tcase	62 °C
PCI-Express-Slots-Version	3.0	Technische Details	
Unterstützte Befehlssätze	SSE4.2, AVX, AVX 2.0, AVX-512	Startdatum	Q4'19
Skalierbarkeit	1S	Produkttyp	Processor
Physical Address Extension (PAE)	✓	Status	Launched
CPU Konfiguration (max)	1	Unterstützte Arbeitsspeicher	DDR4-SDRAM
Eingebettete Optionen verfügbar	✗	Busgeschwindigkeit	8 GT/s
Physical Address Extension (PAE)	46 Bit	Logistikdaten	
PCI Express CEM Revision	3.0	Warentarifnummer (HS)	85423119
Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C	Gewicht und Abmessungen	
Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	G077159	Prozessor-Paketgröße	45mm x 52.5mm
		Sonstige Funktionen	
		RAM-Speicher maximal	1 TB



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