

Intel Xeon Gold 5315Y processor 3,2 GHz 12 MB

Merk : Intel

Productfamilie: Xeon

 Artikelcode:
CD8068904665802

Productnaam : Gold 5315Y

Intel Xeon Gold 5315Y. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 4189, Processor lithografie: 10 nm. Geheugen kanaal: Achtkanaals, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Server, Ondersteunde instructie sets: SSE4.2, AVX, AVX 2.0, AVX-512, Schaalbaarheid: 2S. Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 64 GB. Verpakkingsgrootte processor: 77.5 x 56.5 mm



Processor		Processor speciale functies	
Processorfabrikant *	Intel	Intel® Turbo Boost Technology	2.0
Processorgeneratie	3e generatie Intel® Xeon® schaalbaar	Intel® AES New Instructions (Intel® AES-NI)	✓
Processormodel *	5315Y	Intel® Trusted Execution Technology	✓
Basisfrequentie processor *	3,2 GHz	Intel® Speed Shift-technologie	✓
Processorfamilie *	Intel® Xeon® Gold	Intel® Transactional Synchronization Extensions	✓
Aantal processorkernen *	8	Intel® Total Memory Encryption	✓
Processor socket *	LGA 4189	Intel® Crypto Acceleration	✓
Component voor	Server/werkplaats	Ondersteuning voor Intel® Platform Firmware Resilience	✓
Processor lithografie *	10 nm	Ondersteuning voor maximale enclavegrootte voor Intel® SGX	64 GB
Processorserie	Intel Xeon Gold 5000 Series	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor aantal threads	16	Intel® Software Guard Extensions (Intel® SGX)	✓
Systeembus	11,2 GT/s	Intel® 64	✓
Processor operating modes *	64-bit	Intel® Virtualization Technology (VT-x)	✓
Maximale turbofrequentie van processor	3,6 GHz	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Kernen met hoge prioriteit	2	AVX-512 Fused Multiply-Add (FMA) eenheden	2
Kernfrequentie met hoge prioriteit	3,3 GHz	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Kernen met lage prioriteit	6	Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP)	✓
Kernfrequentie met lage prioriteit	2,6 GHz	Intel® Resource Director-technologie (Intel® RDT)	✓
Processor cache	12 MB	Intel® Volume Management Device (VMD)	✓
Thermal Design Power (TDP)	140 W	Intel® Run Sure-technologie	✓
Box *	✗	Mode-based Execute Control (MBE)	✓
Inclusief koeler *	✗	Intel® Optane™ DC Persistent Memory ondersteunt	✓
Codenaam processor	Ice Lake		
ARK ID processor	215286		
Geheugen		Eisen aan de omgeving	
Geheugentypen ondersteund door processor	DDR4-SDRAM	Tcase	81 °C
Geheugen kanaal *	Achtkanaals		
ECC	✓		
Grafisch		Technische details	
Ingebouwde grafische adapter *	✗	Doelgroep	Cloud Computing
Aparte grafische adapter *	✗	Lanceringsdatum	Q2'21
On-board graphics adapter model *	Niet beschikbaar	Status	Launched
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Marktsegment	Server		

Kenmerken		Technische details	
Maximaal aantal PCI Express-lijnen	64	Ondersteunde geheugen types	DDR4-SDRAM
PCI Express slots versie	4.0	Geheugensnelheid (max)	2933 MHz
Ondersteunde instructie sets	SSE4.2, AVX, AVX 2.0, AVX-512	Aantal UPI-koppelingen	3
Schaalbaarheid	25	Onderhoudsstatus	Baseline Servicing
Ingebouwde opties beschikbaar	✓	Logistieke gegevens	
Export Control Classification Number (ECCN)	5A992CN3	Code geharmoniseerd systeem (HS) 85423119	
Commodity Classification Automated Tracking System (CCATS)	G178966	Gewicht en omvang	
Processor speciale functies		Overige specificaties	
Intel® Hyper Threading Technology (Intel® HT Technology)	✓	Verpakkingsgrootte processor	77.5 x 56.5 mm
		Maximum intern geheugen	6 TB



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