

Intel Xeon Gold 6326 processor 2.9 GHz 24 MB

Brand : Intel

Product family: Xeon

Product code:
CD8068904657502

Product name : Gold 6326

Intel Xeon Gold 6326 Processor 24M Cache 2.90 GHz

Intel Xeon Gold 6326. Processor family: Intel® Xeon® Gold, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: SSE4.2, AVX, AVX 2.0, AVX-512, Scalability: 2S. Maximum Enclave Size Support for Intel® SGX: 64 GB. Processor package size: 77.5 x 56.5 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel Trusted Execution Technology	✓
Processor model *	6326	Intel® Speed Shift Technology	✓
Processor base frequency *	2.9 GHz	Intel® Transactional Synchronization Extensions	✓
Processor family *	Intel® Xeon® Gold	Intel® Total Memory Encryption	✓
Processor cores *	16	Intel® Crypto Acceleration	✓
Processor socket *	LGA 4189	Intel® Platform Firmware Resilience Support	✓
Component for	Server/workstation	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor lithography *	10 nm	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Xeon Gold 6000 Series	Intel Software Guard Extensions (Intel SGX)	✓
Processor threads	32	Intel 64	✓
System bus rate	11.2 GT/s	Intel Virtualization Technology (VT-x)	✓
Processor operating modes *	64-bit	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor boost frequency	3.5 GHz	AVX-512 Fused Multiply-Add (FMA) units	2
High priority cores	4	Intel® Deep Learning Boost (Intel® DL Boost)	✓
High priority core frequency	3 GHz	Intel® Resource Director Technology (Intel® RDT)	✓
Low priority cores	12	Intel® Volume Management Device (VMD)	✓
Low priority core frequency	2.6 GHz	Intel® Run Sure Technology	✓
Processor cache	24 MB	Mode-based Execute Control (MBE)	✓
Thermal Design Power (TDP)	185 W	Intel® Optane™ DC Persistent Memory Supported	✓
Box *	✗		
Cooler included *	✗		
Processor codename	Ice Lake		
Processor ARK ID	215274		
Memory		Operational conditions	
Memory types supported by processor	DDR4-SDRAM	Tcase	78 °C
Memory channels *	Octa-channel		
ECC	✓		
Graphics		Technical details	
On-board graphics card *	✗	Target market	Cloud Computing
Discrete graphics card *	✗	Launch date	Q2'21
On-board graphics card model *	Not available	Status	Launched
Discrete graphics card model *	Not available	Supported memory types	DDR4-SDRAM
Features		Memory speed (max)	3200 MHz
Execute Disable Bit	✓	Number of UPI links	3
Market segment	Server		

Features		Technical details	
Maximum number of PCI Express lanes	64	Servicing status	Baseline Servicing
PCI Express slots version	4.0	Logistics data	
Supported instruction sets	SSE4.2, AVX, AVX 2.0, AVX-512	Harmonized System (HS) code	85423119
Scalability	2S	Weight & dimensions	
Embedded options available	✓	Processor package size	77.5 x 56.5 mm
Export Control Classification Number (ECCN)	5A992CN3	Other features	
Commodity Classification Automated Tracking System (CCATS)	G178966	Maximum internal memory	6 TB
Processor special features			
Intel® Hyper Threading Technology (Intel® HT Technology)	✓		
Intel® Turbo Boost Technology	2.0		



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