



Lenovo Xeon Gold 6326 processor 2.9 GHz 24 MB Smart Cache Tray

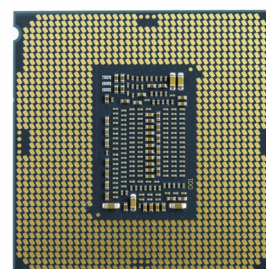
Brand : Lenovo

Product code: 4XG7A63446

Product name : Xeon Gold 6326

Intel Xeon Gold 6326 Processor (24M Cache, 2.90 GHz), FC-LGA16A

Lenovo Xeon Gold 6326. Processor family: Intel® Xeon® Gold, Processor socket: LGA 4189, Processor lithography: 10 nm. Memory channels: Octa-channel, Maximum internal memory supported by processor: 6 TB, Memory types supported by processor: DDR4-SDRAM. Market segment: Server, Supported instruction sets: AVX, AVX 2.0, AVX-512, SSE4.2, 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® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	3rd Generation Intel® Xeon® Scalable	Intel® Turbo Boost Technology	2.0
Processor model *	6326	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor base frequency *	2.9 GHz	Intel Trusted Execution Technology	✓
Processor family *	Intel® Xeon® Gold	Intel® Speed Shift Technology	✓
Processor cores *	16	Intel® Transactional Synchronization Extensions	✓
Processor socket *	LGA 4189	Intel® Total Memory Encryption	✓
Component for	Server/workstation	Intel® Crypto Acceleration	✓
Processor lithography *	10 nm	Intel® Platform Firmware Resilience Support	✓
Processor series	Intel Xeon Gold 6000 Series	Maximum Enclave Size Support for Intel® SGX	64 GB
Processor threads	32	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	11.2 GT/s	Intel Software Guard Extensions (Intel SGX)	✓
Processor operating modes *	64-bit	Intel 64	✓
Processor boost frequency	3.5 GHz	Intel Virtualization Technology (VT-x)	✓
Processor cache	24 MB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor cache type	Smart Cache	Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✓
Thermal Design Power (TDP)	185 W	Intel® Resource Director Technology (Intel® RDT)	✓
Package type *	Tray	Intel® Run Sure Technology	✓
Cooler included *	✗	Mode-based Execute Control (MBE)	✓
Stepping	M1		
Bus type	UPI		
Processor codename	Ice Lake		
Processor ARK ID	215274		
Memory			
Maximum internal memory supported by processor	6 TB		
Memory types supported by processor	DDR4-SDRAM		

Memory		Operational conditions	
Memory clock speeds supported by processor	3200 MHz	Tcase	78 °C
Memory channels *	Octa-channel	Logistics data	
ECC	✓	Harmonized System (HS) code	85423119
Graphics		Technical details	
On-board graphics card *	✗	Launch date	Q2'21
Discrete graphics card *	✗	Status	Launched
On-board graphics card model *	Not available	Number of UPI links	3
Discrete graphics card model *	Not available	Weight & dimensions	
Features		Processor package size	77.5 x 56.5 mm
Execute Disable Bit	✓	Other features	
Market segment	Server	Compatibility	Lenovo ThinkAgile HX5530, Lenovo ThinkAgile HX5531, Lenovo ThinkAgile HX7530, Lenovo ThinkAgile HX7531
Maximum number of PCI Express lanes	64		
PCI Express slots version	4.0		
Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2		
Scalability	25		
Embedded options available	✓		



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