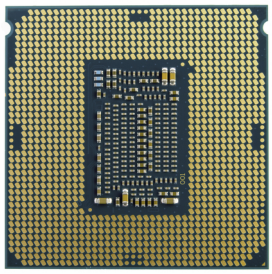
Lenovo Xeon Gold 6326 processor 2.9 GHz 24 MB Smart Cache

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: 6.14 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 manufacturer *	Intel
Processor generation	3rd Generation Intel® Xeon® Scalable
Processor model *	6326
Processor base frequency *	2.9 GHz
Processor family *	Intel® Xeon® Gold
Processor cores *	16
Processor socket *	LGA 4189
Component for	Server/workstation
Processor lithography *	10 nm
Processor series	Intel Xeon Gold 6000 Series
Processor threads	32
System bus rate	11.2 GT/s
Processor operating modes *	64-bit
Processor boost frequency	3.5 GHz
Processor cache	24 MB
Processor cache type	Smart Cache
Thermal Design Power (TDP)	185 W
Box *	✗
Cooler included *	✗
Stepping	M1
Bus type	UPI
Processor codename	Ice Lake
Processor ARK ID	215274

Memory	
Maximum internal memory supported by processor	6.14 TB
Memory types supported by processor	DDR4-SDRAM

Processor special features	
Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✔
Intel Trusted Execution Technology	✔
Intel® Speed Shift Technology	✔
Intel® Transactional Synchronization Extensions	✔
Intel® Total Memory Encryption	✔
Intel® Crypto Acceleration	✔
Intel® Platform Firmware Resilience Support	✔
Maximum Enclave Size Support for Intel® SGX	64 GB
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Software Guard Extensions (Intel SGX)	✔
Intel 64	✔
Intel Virtualization Technology (VT-x)	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel® Deep Learning Boost (Intel® DL Boost) on CPU	✔
Intel® Resource Director Technology (Intel® RDT)	✔
Intel® Run Sure Technology	✔
Mode-based Execute Control (MBE)	✔

Memory	
Memory clock speeds supported by processor	3200 MHz
Memory channels *	Octa-channel
ECC	✔

Graphics	
On-board graphics card *	✘
Discrete graphics card *	✘
On-board graphics card model *	Not available
Discrete graphics card model *	Not available

Features	
Execute Disable Bit	✔
Market segment	Server
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	2S
Embedded options available	✔

Operational conditions	
Tcase	78 °C

Logistics data	
Harmonized System (HS) code	85423119

Technical details	
Launch date	Q2'21
Status	Launched
Number of UPI links	3

Weight & dimensions	
Processor package size	77.5 x 56.5 mm

Other features	
Compatibility	Lenovo ThinkAgile HX5530, Lenovo ThinkAgile HX5531, Lenovo ThinkAgile HX7530, Lenovo ThinkAgile HX7531

0889488531233

889488531233

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.

Publication date: 22-DEC-2024. Prints or copies of Information are only valid on the printed Publication date