



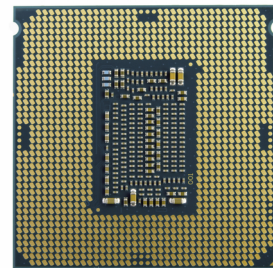
Lenovo Xeon Gold 6326 processor 2.9 GHz 24 MB Smart Cache

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 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) | ✓ |
| Box * | ✗ | 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 | 6.14 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 | 2S | | |
| Embedded options available | ✓ | | |



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