

## Lenovo Xeon Intel Silver 4309Y processor 2,8 GHz 12 MB

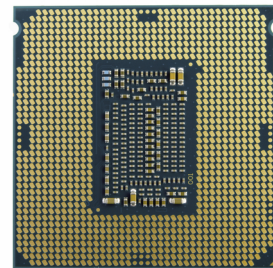
**Merk :** Lenovo

**Productfamilie:** Xeon

**Artikelcode:** 4XG7A72930

**Productnaam :** Intel Silver 4309Y

Lenovo Xeon Intel Silver 4309Y. Processorfamilie: Intel® Xeon® Silver, Processor socket: LGA 4189, Processor lithografie: 10 nm. Geheugen kanaal: Achtkanaals, Maximaal intern geheugen ondersteund door processor: 6,14 TB, 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: 8 GB. Type verpakking: Retaildoos



| Processor   |                                      | Processor speciale functies  |      |
|---|--------------------------------------|--|------|
| Processorfabrikant *                                | Intel                                | Intel® AES New Instructions (Intel® AES-NI)                        | ✓    |
| Processorgeneratie                                  | 3e generatie Intel® Xeon® schaalbaar | Intel® Trusted Execution Technology                                | ✓    |
| Processormodel *                                    | 4309Y                                | Intel® Speed Shift-technologie                                     | ✓    |
| Basisfrequentie processor *                         | 2,8 GHz                              | Intel® Transactional Synchronization Extensions                    | ✓    |
| Processorfamilie *                                  | Intel® Xeon® Silver                  | Intel® Total Memory Encryption                                     | ✓    |
| Aantal processorkernen *                            | 8                                    | Intel® Crypto Acceleration   | ✓    |
| Processor socket *                                  | LGA 4189                             | Ondersteuning voor Intel® Platform Firmware Resilience             | ✓    |
| Component voor                                      | Server/werkplaats                    | Ondersteuning voor maximale enclavegrootte voor Intel® SGX         | 8 GB |
| Processor lithografie *                             | 10 nm                                | Intel® VT-x with Extended Page Tables (EPT)                        | ✓    |
| Processor aantal threads                            | 16                                   | Intel® Software Guard Extensions (Intel® SGX)                      | ✓    |
| Systeembus  | 10,4 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)           | ✓    |
| Processor cache                                     | 12 MB                                | AVX-512 Fused Multiply-Add (FMA) eenheden                          | 2    |
| Thermal Design Power (TDP)                          | 105 W                                | Intel® Deep Learning Boost (Intel® DL Boost)                       | ✓    |
| Box *   | ✗                                    | Intel® Speed Select-technologie - Prestatieprofiel (Intel® SST-PP) | ✓    |
| Inclusief koeler *                                  | ✗                                    | Intel® Resource Director-technologie (Intel® RDT)                  | ✓    |
| Codenaam processor                                  | Ice Lake                             | Intel® Volume Management Device (VMD)                              | ✓    |
| ARK ID processor                                    | 215275                               | Mode-based Execute Control (MBE)                                   | ✓    |
| Geheugen  |                                      |  |      |
| Maximaal intern geheugen ondersteund door processor | 6,14 TB                              |  |      |
| Geheugentypen ondersteund door processor            | DDR4-SDRAM                           |  |      |
| Klokgeheugen-snelheden ondersteund door processor   | 2667 MHz                             |  |      |
| Geheugen kanaal *                                   | Achtkanaals                          |  |      |
| ECC   | ✓                                    |  |      |

| Grafisch   |                               | Processor speciale functies                     |                |
|--|-------------------------------|---|----------------|
| Ingebouwde grafische adapter *                             | ✘                             | Intel® Optane™ DC Persistent Memory ondersteunt | ✘              |
| Aparte grafische adapter *                                 | ✘                             | <b>Eisen aan de omgeving</b>                    |                |
| On-board graphics adapter model *                          | Niet beschikbaar              | Tcase   | 76 °C          |
| Discreet grafische adapter model *                         | Niet beschikbaar              | <b>Technische details</b>                       |                |
| Kenmerken  |                               | Lanceringsdatum                                 | Q2'21          |
| Execute Disable Bit  | ✓                             | Status  | Launched       |
| Marktsegment   | Server                        | Ondersteunde geheugen types                     | DDR4-SDRAM     |
| Maximaal aantal PCI Express-lijnen                         | 64                            | Geheugensnelheid (max)                          | 2667 MHz       |
| PCI Express slots versie                                   | 4.0                           | Aantal UPI-koppelingen                          | 2              |
| Ondersteunde instructie sets                               | SSE4.2, AVX, AVX 2.0, AVX-512 | Logistieke gegevens                             |                |
| Schaalbaarheid   | 2S                            | Code geharmoniseerd systeem (HS)                | 85423119       |
| Ingebouwde opties beschikbaar                              | ✘                             | Verpakking                                      |                |
| Export Control Classification Number (ECCN)                | 5A992CN3                      | Type verpakking                                 | Retaildoos     |
| Commodity Classification Automated Tracking System (CCATS) | G178966                       | Gewicht en omvang                               |                |
| Processor speciale functies                                |                               | Verpakkingsgrootte processor                    | 77.5 x 56.5 mm |
| Intel® Hyper Threading Technology (Intel® HT Technology)   | ✓                             | Overige specificaties                           |                |
| Intel® Turbo Boost Technology                              | 2.0                           | Maximum intern geheugen                         | 6 TB           |



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