

Lenovo Xeon Intel Gold 5415+ processor 2,9 GHz 22,5 MB Box, -

Merk : Lenovo

Productfamilie: Xeon

Artikelcode: 4XG7A85293

Productnaam : Intel Xeon Gold 5415+



Lenovo Xeon Intel Gold 5415+. Processorfamilie: Intel® Xeon® Gold, Processor socket: LGA 4677 (Socket E), Type verpakking: Box, -. Geheugen kanaal: Achtkanaals, Maximaal intern geheugen ondersteund door processor: 6 TB, Geheugentypen ondersteund door processor: DDR5-SDRAM. Marktsegment: Server, Gebruiksvoorwaarden: Server/Enterprise, Ondersteunde instructie sets: AMX, SSE4.2, AVX, AVX 2.0, AVX-512. Ondersteuning voor maximale enclavegrootte voor Intel® SGX: 128 GB, Intel® QuickAssist Technology (QAT): 1 default devices, Intel® Dynamic Load Balancer (DLB): 1 default devices. Verpakkingsgrootte processor: 77.5 x 56.5 mm

| Processor | | Processor speciale functies | |
|---|-----------------------------|---|-------------------|
| Processorfabrikant * | Intel | Intel® Total Memory Encryption | ✓ |
| Processorgeneratie | Intel Xeon Scalable 4th Gen | Intel® Control-flow Enforcement Technology (CET) | ✓ |
| Processormodel * | 5415+ | Intel® Crypto Acceleration | ✓ |
| Basisfrequentie processor * | 2,9 GHz | Ondersteuning voor Intel® Platform Firmware Resilience | ✓ |
| Processorfamilie * | Intel® Xeon® Gold | Ondersteuning voor maximale enclavegrootte voor Intel® SGX | 128 GB |
| Aantal processorkernen * | 8 | Intel® VT-x with Extended Page Tables (EPT) | ✓ |
| Processor socket * | LGA 4677 (Socket E) | Intel® OS Guard | ✓ |
| Processor aantal threads | 16 | Intel® Software Guard Extensions (Intel® SGX) | ✓ |
| Systeembus | 16 GT/s | Intel® 64 | ✓ |
| Maximale turbofrequentie van processor | 4,1 GHz | Intel® Virtualization Technology (VT-x) | ✓ |
| Kernen met hoge prioriteit | 2 | Intel® Virtualization Technology for Directed I/O (VT-d) | ✓ |
| Kernfrequentie met hoge prioriteit | 3,1 GHz | AVX-512 Fused Multiply-Add (FMA) eenheden | 2 |
| Kernen met lage prioriteit | 6 | Intel® Boot Guard | ✓ |
| Processor cache | 22,5 MB | Intel® Deep Learning Boost (Intel® DL Boost) on CPU | ✓ |
| Thermal Design Power (TDP) | 150 W | Intel® Resource Director-technologie (Intel® RDT) | ✓ |
| Type verpakking * | Box, - | Intel® Run Sure-technologie | ✓ |
| Inclusief koeler * | ✗ | Mode-based Execute Control (MBE) | ✓ |
| Stepping | S3 | Intel® Optane™ DC Persistent Memory ondersteunt | ✓ |
| Codenaam processor | Sapphire Rapids | Intel® Speed Select-technologie - Basisfrequentie (Intel® SST-BF) | ✓ |
| ARK ID processor | 232373 | Intel® QuickAssist-softwareversnelling | ✓ |
| Geheugen | | Intel® On Demand Feature Activation | ✓ |
| Maximaal intern geheugen ondersteund door processor | 6 TB | Intel® QuickAssist Technology (QAT) | 1 default devices |
| Geheugentypen ondersteund door processor | DDR5-SDRAM | Intel® Dynamic Load Balancer (DLB) | 1 default devices |
| Geheugen kanaal * | Achtkanaals | Intel® Data Streaming Accelerator (DSA) | 1 default devices |
| ECC | ✓ | Intel® In-memory Analytics Accelerator (IAA) | 1 default devices |
| Grafisch | | | |
| Ingebouwde grafische adapter * | ✗ | | |
| Aparte grafische adapter * | ✗ | | |
| On-board graphics adapter model * | Niet beschikbaar | | |
| Discreet grafische adapter model * | Niet beschikbaar | | |
| Kenmerken | | | |
| Execute Disable Bit | ✓ | | |
| Marktsegment | Server | | |
| Gebruiksvoorwaarden | Server/Enterprise | | |
| Maximaal aantal PCI Express-lijnen | 80 | | |

| Kenmerken | | Processor speciale functies | |
|--|------------------------------------|---|----------------|
| PCI Express slots versie | 5.0 | Intel® Advanced Matrix Extensions (AMX) | ✓ |
| Ondersteunde instructie sets | AMX, SSE4.2, AVX, AVX 2.0, AVX-512 | Eisen aan de omgeving | |
| Schaalbaarheid | 2S | Tcase | 78 °C |
| Ingebouwde opties beschikbaar | ✓ | DTS Max | 99 °C |
| Export Control Classification Number (ECCN) | 5A992C | Technische details | |
| Commodity Classification Automated Tracking System (CCATS) | G180729 | Lanceringsdatum | Q1'23 |
| Processor speciale functies | | Status | Launched |
| Intel® Hyper Threading Technology (Intel® HT Technology) | ✓ | Ondersteunde geheugen types | DDR5-SDRAM |
| Intel® Turbo Boost Technology | 2.0 | Geheugensnelheid (max) | 4400 MHz |
| Intel® AES New Instructions (Intel® AES-NI) | ✓ | Aantal UPI-koppelingen | 3 |
| Intel® Trusted Execution Technology | ✓ | Pakketvervoerder (package carrier) | E1B |
| Intel® Speed Shift-technologie | ✓ | Logistieke gegevens | |
| Intel® Transactional Synchronization Extensions | ✓ | Code geharmoniseerd systeem (HS) | 8542310001 |
| | | Gewicht en omvang | |
| | | Verpakkingsgrootte processor | 77.5 x 56.5 mm |
| | | Overige specificaties | |
| | | Maximum intern geheugen | 4 TB |



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Catalog Object Cloud



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