

# Intel Xeon Silver 4310T - 2.3 GHz - 10 Kerne

20 Threads - 15 MB Cache-Speicher - LGA4189 Socket - OEM

|                     |                 |
|---------------------|-----------------|
| Gruppe              | Prozessoren     |
| Hersteller          | Intel           |
| Hersteller Art. Nr. | CD8068904659001 |
| EAN/UPC             | 0675901957144   |



## Beschreibung

Intel Xeon Silver Prozessoren bieten grundlegende Performance, verbesserte Arbeitsspeichergeschwindigkeit und Energieeffizienz. Hardware-verstärkte Performance für einfache Datenverarbeitung, Netzwerk und Speicher im Rechenzentrum.

## Hauptmerkmale

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Produktbeschreibung     | Intel Xeon Silver 4310T / 2.3 GHz Prozessor - OEM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Produkttyp              | Prozessor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Prozessortyp            | Intel Xeon Silver 4310T                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Anz. der Kerne          | 10 Kerne / 20 Threads                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cache-Speicher          | 15 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Geeignete Sockel        | LGA4189 Socket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Prozessoranz.           | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Taktfrequenz            | 2.3 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Max. Turbo-Taktfrequenz | 3.4 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Herstellungsprozess     | 10 nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Funktionen              | Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Intel Speed Shift Technology, Intel Turbo Boost Technology 2.0, Hyper-Threading-Technologie, Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel Transactional Synchronization Extensions (TSX), Intel 64 Technology, Streaming-SIMD-Erweiterungen 4.2, Intel Advanced Vector Extensions (AVX), Intel Advanced Vector Extensions 2 (AVX2.0), Intel Advanced Vector Extensions 512 (AVX-512), Intel Volume Management Device (VMD), Intel AES New Instructions (AES-NI), Intel Software Guard Extensions (SGX), Intel Trusted Execution Technology, Unterstützung für Execute Disable Bit, Mode-based Execute Control (MBE), Intel Total Memory Encryption, Intel Platform Firmware Resilience Support, Intel Crypto Acceleration |

## Ausführliche Details

|                  |                         |
|------------------|-------------------------|
|                  | <b>Allgemein</b>        |
| Produkttyp       | Prozessor               |
|                  | <b>Prozessor</b>        |
| Typ / Formfaktor | Intel Xeon Silver 4310T |

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anz. der Kerne             | 10 Kerne                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Anz. der Threads           | 20 Threads                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Cache-Speicher             | 15 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Cache-Speicher-Details     | Smart Cache - 15 MB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Prozessoranz.              | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Taktfrequenz               | 2.3 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Max. Turbo-Taktfrequenz    | 3.4 GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Geeignete Sockel           | LGA4189 Socket                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Herstellungsprozess        | 10 nm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Thermal Design Power (TDP) | 105 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Temperaturspezifikationen  | 88 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| PCI Express Revision       | 4.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Anz. PCI Express Lanes     | 64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Architektur-Merkmale       | Intel Deep Learning Boost (DL Boost), Intel Resource Director Technology (RDT), Intel Speed Shift Technology, Intel Turbo Boost Technology 2.0, Hyper-Threading-Technologie, Intel Virtualization Technology, Intel Virtualization Technology for Directed I/O (VT-d), Intel VT-x with Extended Page Tables (EPT), Intel Transactional Synchronization Extensions (TSX), Intel 64 Technology, Streaming-SIMD-Erweiterungen 4.2, Intel Advanced Vector Extensions (AVX), Intel Advanced Vector Extensions 2 (AVX2.0), Intel Advanced Vector Extensions 512 (AVX-512), Intel Volume Management Device (VMD), Intel AES New Instructions (AES-NI), Intel Software Guard Extensions (SGX), Intel Trusted Execution Technology, Unterstützung für Execute Disable Bit, Mode-based Execute Control (MBE), Intel Total Memory Encryption, Intel Platform Firmware Resilience Support, Intel Crypto Acceleration |
|                            | <b>Verschiedenes</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Verpackung                 | OEM/Tray                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                            | <b>Herstellergarantie</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Service und Support        | Begrenzte Garantie - 3 Jahre                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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