# Lenovo Intel Xeon Gold 5218T Prozessor 2,1 GHz 22 MB

**Marke :** Lenovo **Artikel-Code:** 4XG7A38016

**Produktname :** Intel Xeon Gold 5218T

Lenovo Intel Xeon Gold 5218T. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 3647 (Socket P), Prozessor Lithografie: 14 nm. Speicherkanäle: Hexa-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 1 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlssätze: AVX, AVX 2.0, AVX-512, SSE4.2, Skalierbarkeit: 4S. Kompatibilität: ThinkSystem SR550/SR590/SR650

| Prozessor | |
|---|---|
| Prozessorhersteller * | Intel |
| Prozessorgeneration | Skalierbare Intel® Xeon® der 2. Generation |
| Prozessor * | 5218T |
| Grundfrequenz des Prozessors * | 2,1 GHz |
| Prozessorfamilie * | Intel® Xeon® Gold |
| Anzahl Prozessorkerne * | 16 |
| Prozessorsockel * | LGA 3647 (Socket P) |
| Prozessor Lithografie * | 14 nm |
| Prozessor-Threads | 32 |
| Prozessorbetriebsmodi * | 64-Bit |
| Prozessor Boost-Frequenz | 3,8 GHz |
| Prozessor-Cache | 22 MB |
| Thermal Design Power (TDP) | 105 W |
| Kühler enthalten * | ✗ |
| Prozessor Codename | Cascade Lake |

| Speicher | |
|---|---|
| Maximaler interner Speicher, vom Prozessor unterstützt | 1 TB |
| Speichertypen, vom Prozessor unterstützt | DDR4-SDRAM |
| Speichertaktraten, vom Prozessor unterstützt | 2667 MHz |
| Speicherkanäle * | Hexa-Kanal |
| ECC | ✓ |

| Grafik | |
|---|---|
| Eingebaute Grafikadapter * | ✗ |
| Separater Grafikadapter * | ✗ |
| Eingebautes Grafikkartenmodell * | Nicht verfügbar |
| Separates Grafikkartenmodell * | Nicht verfügbar |

| Merkmale | |
|---|---|
| Execute Disable Bit | ✓ |
| Marktsegment | Server |
| Maximale Anzahl der PCI-Express-Lanes | 48 |
| PCI-Express-Slots-Version | 3.0 |
| Unterstützte Befehlssätze | AVX, AVX 2.0, AVX-512, SSE4.2 |
| Skalierbarkeit | 4S |
| Eingebettete Optionen verfügbar | ✓ |

| Prozessor Besonderheiten | |
|---|---|
| Verbesserte Intel SpeedStep Technologie | ✓ |
| Intel® Trusted-Execution-Technik | ✓ |
| Intel®-Speed-Shift-Technologie | ✓ |
| Intel® Transactional Synchronization Extensions | ✓ |
| Intel® VT-x mit Extended Page Tables (EPT) | ✓ |
| Intel® TSX-NI | ✓ |
| Intel® 64 | ✓ |
| Intel® Virtualization Technologie (VT-X) | ✓ |
| Intel® Virtualisierungstechnik für direkte I/O (VT-d) | ✓ |
| Intel Turbo Boost Max Technology 3.0 | ✗ |
| AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten | 1 |
| Intel® Deep Learning Boost (Intel® DL Boost) on CPU | ✓ |
| Intel® Speed Select-Technologie - Leistungsprofil (Intel® SST-PP) | ✗ |
| Intel® Resource Director Technology (Intel® RDT) | ✓ |
| Intel® Volume Management Device (VMD) | ✓ |
| Intel® Run Sure Technology | ✓ |
| Modusbasierte Execute Control (MBE) | ✓ |
| Intel® Optane™ DC Persistent Memory unterstützt | ✓ |
| Intel® vPro™ Platform Eligibility | ✓ |
| Intel Speed Select Technology (SST) | ✗ |
| Intel® Speed Select Technology - Base Frequency (Intel® SST-BF) | ✗ |
| Intel® Optane™ DC Persistent Memory-Technologie | ✓ |

| Betriebsbedingungen | |
|---|---|
| Tcase | 93 °C |

| Technische Details | |
|---|---|
| Anzahl der UPI-Links | 2 |
| Instandhaltungsstatus | Baseline |

| Merkmale | |
|---|---|
| PCI Express CEM Revision | 3.0 |

| Prozessor Besonderheiten | |
|---|---|
| Intel® Hyper-Threading-Technik (Intel® HT Technology) | ✔ |
| Intel® Turbo-Boost-Technologie | 2.0 |
| Intel® AES New Instructions (Intel® AES-NI) | ✔ |

| Sonstige Funktionen | |
|---|---|
| Kompatibilität | ThinkSystem SR550/SR590/SR650 |



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**Catalog Object Cloud**



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Publication date: 21-NOV-2026. Prints or copies of Information are only valid on the printed Publication date