# Lenovo Intel Xeon Gold 6242 Prozessor 2,8 GHz 22 MB L3




**Marke :** Lenovo

**Artikel-Code:** 4XG7A14316

**Produktname :** Intel Xeon Gold 6242

Lenovo Intel Xeon Gold 6242. 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-512, Skalierbarkeit: 4S. Kompatibilität: ThinkSystem SD530

| Prozessor | |
|---|---|
| Prozessorgeneration | Skalierbare Intel® Xeon® der 2. Generation |
| Prozessor * | 6242 |
| Grundfrequenz des Prozessors * | 2,8 GHz |
| Prozessorfamilie * | Intel® Xeon® Gold |
| Anzahl Prozessorkerne * | 16 |
| Prozessorsockel * | LGA 3647 (Socket P) |
| Komponente für | Server/Arbeitsstation |
| Prozessor Lithografie * | 14 nm |
| Prozessor-Serien | Intel Xeon Gold 6000 Series |
| Prozessor-Threads | 32 |
| Prozessorbetriebsmodi * | 64-Bit |
| Prozessor Boost-Frequenz | 3,9 GHz |
| Prozessor-Cache | 22 MB |
| Prozessor Cache Typ | L3 |
| Thermal Design Power (TDP) | 150 W |
| Kühler enthalten * | ✗ |
| Stepping | B1 |
| Bus Typ | UPI |
| Prozessor Codename | Cascade Lake |

| Speicher | |
|---|---|
| Maximaler interner Speicher, vom Prozessor unterstützt | 1 TB |
| Speichertypen, vom Prozessor unterstützt | DDR4-SDRAM |
| Speichertaktraten, vom Prozessor unterstützt | 2933 MHz |
| Speicherkanäle * | Hexa-Kanal |
| ECC | ✓ |

| Grafik | |
|---|---|
| Eingebaute Grafikadapter * | ✗ |
| Separater Grafikadapter * | ✗ |

| Merkmale | |
|---|---|
| Execute Disable Bit | ✓ |
| Marktsegment | Server |

| Merkmale | |
|---|---|
| Intel® Optane™-Speichermodul enthalten | ✓ |

| Prozessor Besonderheiten | |
|---|---|
| Intel® Hyper-Threading-Technik (Intel® HT Technology) | ✓ |
| Intel® Turbo-Boost-Technologie | 2.0 |
| Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| Verbesserte Intel SpeedStep Technologie | ✓ |
| Intel® Trusted-Execution-Technik | ✓ |
| Intel®-Speed-Shift-Technologie | ✓ |
| 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 | 2 |
| Intel® vPro™ Platform Eligibility | ✓ |

| Betriebsbedingungen | |
|---|---|
| Tcase | 85 °C |

| Technische Details | |
|---|---|
| Intel® Run Sure Technik Version | ✓ |
| Intel® Volume Management Device (VMD) Version | ✓ |
| Modusbasierte Ausführungskontrolle (MBE) Version | ✓ |
| Anzahl der UPI-Links | 3 |

| Sonstige Funktionen | |
|---|---|
| Kompatibilität | ThinkSystem SD530 |

| Merkmale | |
|---|---|
| Maximale Anzahl der PCI-Express-Lanes | 48 |
| PCI-Express-Slots-Version | 3.0 |
| Unterstützte Befehlssätze | AVX-512 |
| Skalierbarkeit | 4S |
| Eingebettete Optionen verfügbar | ✕ |

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**Catalog Object Cloud**

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