# Lenovo Intel Xeon Gold 6544Y Prozessor 3,6 GHz 45 MB

**Marke :** Lenovo **Artikel-Code:** 4XG7A91462

**Produktname :** Intel Xeon Gold 6544Y

Lenovo Intel Xeon Gold 6544Y. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 4677 (Socket E), Prozessorhersteller: Intel. Speicherkanäle: Okta-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 4 TB, Speichertypen, vom Prozessor unterstützt: DDR5-SDRAM. Unterstützte Befehlssätze: AMX, AVX, AVX 2.0, AVX-512, SSE4.2, Skalierbarkeit: 2S. Unterstützung der maximalen Enklavengröße für Intel® SGX: 512 GB

| Prozessor | |
|---|---|
| Prozessorhersteller * | Intel |
| Prozessorgeneration | Intel Xeon Scalable 5th Gen |
| Prozessor * | 6544Y |
| Grundfrequenz des Prozessors * | 3,6 GHz |
| Prozessorfamilie * | Intel® Xeon® Gold |
| Anzahl Prozessorkerne * | 16 |
| Prozessorsockel * | LGA 4677 (Socket E) |
| Prozessor-Serien | Intel Xeon Gold 6000 Series |
| Prozessor-Threads | 32 |
| Intel® UPI-Geschwindigkeit | 20 GT/s |
| Prozessorbetriebsmodi * | 64-Bit |
| Prozessor Boost-Frequenz | 4,1 GHz |
| Kerne mit hoher Priorität | 4 |
| Frequenz des Kerns mit hoher Priorität | 3,7 GHz |
| Kerne mit niedriger Priorität | 12 |
| Frequenz des Kerns mit niedriger Priorität | 3,5 GHz |
| Prozessor-Cache | 45 MB |
| Thermal Design Power (TDP) | 270 W |

| Speicher | |
|---|---|
| Maximaler interner Speicher, vom Prozessor unterstützt | 4 TB |
| Speichertypen, vom Prozessor unterstützt | DDR5-SDRAM |
| Speichertaktraten, vom Prozessor unterstützt | 5200 MHz |
| Speicherkanäle * | Okta-Kanal |
| ECC | ✔ |

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

| Merkmale | |
|---|---|
| Execute Disable Bit | ✔ |
| Maximale Anzahl der PCI-Express-Lanes | 80 |
| PCI-Express-Slots-Version | 5.0 |

| Prozessor Besonderheiten | |
|---|---|
| Intel®-Speed-Shift-Technologie | ✔ |
| Intel® Transactional Synchronization Extensions | ✔ |
| Intel® Total Memory Encryption | ✔ |
| Intel® Control-flow Enforcement Technology (CET) | ✔ |
| Intel® Crypto-Beschleunigung | ✔ |
| Unterstützung der Intel® Plattform-Firmware Resilience | ✔ |
| Unterstützung der maximalen Enklavengröße für Intel® SGX | 512 GB |
| Intel® VT-x mit Extended Page Tables (EPT) | ✔ |
| Intel® OS Guard | ✔ |
| Intel® Software Guard Extensions (Intel® SGX) | ✔ |
| Intel® 64 | ✔ |
| Intel® Virtualization Technologie (VT-X) | ✔ |
| Intel® Virtualisierungstechnik für direkte I/O (VT-d) | ✔ |
| AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten | 2 |
| Intel® Boot Guard | ✔ |
| Intel® Deep Learning Boost (Intel® DL Boost) on CPU | ✔ |
| Intel® Resource Director Technology (Intel® RDT) | ✔ |
| Intel® Volume Management Device (VMD) | ✔ |
| Intel® Run Sure Technology | ✔ |
| Modusbasierte Execute Control (MBE) | ✔ |
| Intel® Speed Select Technology - Base Frequency (Intel® SST-BF) | ✔ |
| Intel® Total Memory Encryption - Multi Key | ✔ |
| Intel® QuickAssist Software Acceleration | ✔ |
| Intel® Data Streaming Accelerator (DSA) | 1 |
| Intel® Advanced Matrix Extensions (AMX) | ✔ |

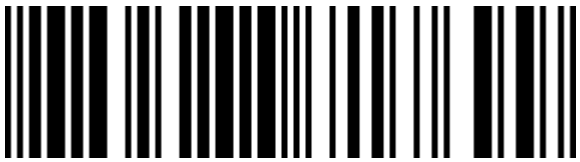
| Merkmale | |
|---|---|
| Unterstützte Befehlssätze | AMX, AVX, AVX 2.0, AVX-512, SSE4.2 |
| Skalierbarkeit | 2S |

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

| Prozessor Besonderheiten | |
|---|---|
| Intel® Speed Select-Technologie – Kernleistung | ✔ |
| Intel® Speed Select-Technologie – Turbofrequenz | ✔ |

| Betriebsbedingungen | |
|---|---|
| Tcase | 75 °C |
| DTS Max | 103 °C |

| Technische Details | |
|---|---|
| Anzahl der UPI-Links | 3 |
| Paketträger | E1B |



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