

Intel Xeon 5217 Prozessor 3 GHz 11 MB

Marke : Intel

Produktfamilie: Xeon

Artikel-Code:
CD8069504214302

Produktname : 5217



Intel® Xeon® Gold Prozessor 5217 (11 MB Cache, 3,00 GHz)

Intel Xeon 5217. Prozessorfamilie: Intel® Xeon® Gold, Prozessorsockel: LGA 3647 (Socket P), Prozessor Lithografie: 14 nm. Speicherkanäle: Hexa-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 1,02 TB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Server, Unterstützte Befehlsätze: SSE4.2, AVX, AVX 2.0, AVX-512, Skalierbarkeit: 4S. Prozessor-Paketgröße: 76mm x 56.5mm. RAM-Speicher maximal: 1 TB

| Prozessor | | Prozessor Besonderheiten | |
|--|--|---|------------|
| Prozessorhersteller * | Intel | Verbesserte Intel SpeedStep Technologie | ✓ |
| Prozessorgeneration | Skalierbare Intel® Xeon® der 2. Generation | Intel® Trusted-Execution-Technik | ✓ |
| Prozessor * | 5217 | Intel® -Speed-Shift-Technologie | ✓ |
| Grundfrequenz des Prozessors * | 3 GHz | Intel® Transactional Synchronization Extensions | ✓ |
| Prozessorfamilie * | Intel® Xeon® Gold | Intel® VT-x mit Extended Page Tables (EPT) | ✓ |
| Anzahl Prozessorkerne * | 8 | Intel® TSX-NI | ✓ |
| Prozessorsockel * | LGA 3647 (Socket P) | Intel® 64 | ✓ |
| Komponente für | Server/Arbeitsstation | Intel® Virtualization Technologie (VT-X) | ✓ |
| Prozessor Lithografie * | 14 nm | Intel® Virtualisierungstechnik für direkte I/O (VT-d) | ✓ |
| Prozessor-Threads | 16 | Intel Turbo Boost Max Technology 3.0 | ✗ |
| Prozessorbetriebsmodi * | 64-Bit | AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten | 1 |
| Prozessor Boost-Frequenz | 3,7 GHz | Intel® Deep Learning Boost (Intel® DL Boost) | ✓ |
| Prozessor-Cache | 11 MB | Intel® Speed Select-Technologie - Leistungsprofil (Intel® SST-PP) | ✗ |
| Thermal Design Power (TDP) | 115 W | Intel® Resource Director Technology (Intel® RDT) | ✓ |
| Box * | ✗ | Intel® Volume Management Device (VMD) | ✓ |
| Kühler enthalten * | ✗ | Intel® Run Sure Technology | ✓ |
| Prozessor Codename | Cascade Lake | Modusbasierte Execute Control (MBE) | ✓ |
| ARK Prozessorerkennung | 193396 | Intel® Optane™ DC Persistent Memory unterstützt | ✓ |
| Speicher | | Intel® vPro™ Platform Eligibility | ✓ |
| Maximaler interner Speicher, vom Prozessor unterstützt | 1,02 TB | Intel Speed Select Technology (SST) | ✗ |
| Speichertypen, vom Prozessor unterstützt | DDR4-SDRAM | Intel® Speed Select Technology - Base Frequency (Intel® SST-BF) | ✗ |
| Speichertaktraten, vom Prozessor unterstützt | 2667 MHz | Intel® Optane™ DC Persistent Memory-Technologie | ✓ |
| Speicherkanäle * | Hexa-Kanal | Betriebsbedingungen | |
| ECC | ✓ | Tcase | 79 °C |
| Grafik | | Technische Details | |
| Eingebaute Grafikkartenmodell * | ✗ | Startdatum | Q2'19 |
| Separater Grafikkartenmodell * | ✗ | Produkttyp | Processor |
| Eingebautes Grafikkartenmodell * | Nicht verfügbar | Status | Launched |
| Separates Grafikkartenmodell * | Nicht verfügbar | Unterstützte Arbeitsspeicher | DDR4-SDRAM |
| Merkmale | | Speichergeschwindigkeit (max.) | 2667 MHz |
| Execute Disable Bit | ✓ | | |
| Marktsegment | Server | | |
| Maximale Anzahl der PCI-Express-Lanes | 48 | | |
| PCI-Express-Slots-Version | 3.0 | | |
| Unterstützte Befehlsätze | SSE4.2, AVX, AVX 2.0, AVX-512 | | |
| Skalierbarkeit | 4S | | |
| Eingebettete Optionen verfügbar | ✗ | | |

| Merkmale | | Technische Details | |
|--|---------|-------------------------|--------------------|
| PCI Express CEM Revision | 3.0 | Anzahl der UPI-Links | 2 |
| Exportkontroll-Klassifizierungsnummer (ECCN) | 5A992C | Instandhaltungsstatus | Baseline Servicing |
| Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS) | G077159 | Logistikdaten | |
| | | Warentarifnummer (HS) | 85423119 |
| Prozessor Besonderheiten | | Gewicht und Abmessungen | |
| Intel® Hyper-Threading-Technik (Intel® HT Technology) | ✓ | Prozessor-Paketgröße | 76mm x 56.5mm |
| Intel® Turbo-Boost-Technologie | 2.0 | Sonstige Funktionen | |
| Intel® AES New Instructions (Intel® AES-NI) | ✓ | RAM-Speicher maximal | 1 TB |



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