

Intel Xeon W-3175X Prozessor 3,1 GHz 38,5 MB Smart Cache Box

Marke : Intel

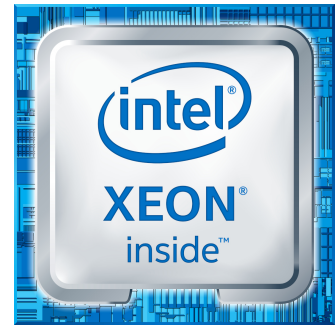
Produktfamilie: Xeon

Artikel-Code:
BX80673W3175X

Produktname : W-3175X

Intel Xeon W-3175X Prozessor (38.5MB Cache, bis 3.8 GHz)

Intel Xeon W-3175X. Prozessorfamilie: Intel® Xeon®, Prozessorsockel: FCLGA3647, Prozessor Lithografie: 14 nm. Speicherkanäle: Hexa-Kanal, Maximaler interner Speicher, vom Prozessor unterstützt: 512 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Marktsegment: Desktop, Unterstützte Befehlssätze: SSE4.2, AVX, AVX 2.0, AVX-512, Skalierbarkeit: 1S. Verpackungsbreite: 104 mm, Verpackungstiefe: 130 mm, Verpackungshöhe: 45 mm. Prozessor-Paketgröße: 76mm x 56.5mm



| Prozessor | | Prozessor Besonderheiten | |
|--|-------------------------------|---|-----------------------|
| Prozessorhersteller * | Intel | Intel®-Speed-Shift-Technologie | ✓ |
| Prozessor * | W-3175X | Intel® Transactional Synchronization Extensions | ✓ |
| Grundfrequenz des Prozessors * | 3,1 GHz | Intel® VT-x mit Extended Page Tables (EPT) | ✓ |
| Prozessorfamilie * | Intel® Xeon® | Intel® TSX-NI | ✓ |
| Anzahl Prozessorkerne * | 28 | Intel® 64 | ✓ |
| Prozessorsockel * | FCLGA3647 | Intel® Virtualization Technologie (VT-X) | ✓ |
| Komponente für | PC | Intel® Virtualisierungstechnik für direkte I/O (VT-d) | ✓ |
| Prozessor Lithografie * | 14 nm | Intel® TSX-NI-Version | 1,00 |
| Prozessor-Threads | 56 | Intel Turbo Boost Max Technology 3.0 | ✗ |
| Systembus-Rate | 8 GT/s | Intel® Optane™ Memory-bereit | ✗ |
| Prozessorbetriebsmodi * | 64-Bit | AVX-512 Abgesicherte Multiply-Add (FMA) Einheiten | 2 |
| Prozessor Boost-Frequenz | 3,8 GHz | Intel® Boot Guard | ✓ |
| Prozessor-Cache | 38,5 MB | Intel® Volume Management Device (VMD) | ✓ |
| Prozessor Cache Typ | Smart Cache | Intel® vPro™ Platform Eligibility | ✓ |
| Thermal Design Power (TDP) | 255 W | | |
| Box * | ✓ | | |
| Kühler enthalten * | ✓ | | |
| Bus Typ | DMI3 | | |
| Prozessor Codename | Skylake | | |
| ARK Prozessorerkennung | 189452 | | |
| Speicher | | Betriebsbedingungen | |
| Maximaler interner Speicher, vom Prozessor unterstützt | 512 GB | Tcase | 70 °C |
| Speichertypen, vom Prozessor unterstützt | DDR4-SDRAM | Tjunction | 85 °C |
| Speichertaktraten, vom Prozessor unterstützt | 2666 MHz | Technische Details | |
| Speicherkanäle * | Hexa-Kanal | Bus-Bandbreite | 8 |
| ECC | ✓ | Bus-Typ-Einheiten | GT/s |
| Grafik | | Startdatum | Q4'18 |
| Eingebaute Grafikkarte * | ✗ | Prozessor Cache | 39424 KB |
| Merkmale | | Produkttyp | Processor |
| Execute Disable Bit | ✓ | Status | Launched |
| Marktsegment | Desktop | Maximaler Speicher | 512 GB |
| Maximale Anzahl der PCI-Express-Lanes | 48 | Markenname Prozessor | Intel Xeon |
| PCI-Express-Slots-Version | 3.0 | Unterstützte Arbeitsspeicher | DDR4-SDRAM |
| Unterstützte Befehlssätze | SSE4.2, AVX, AVX 2.0, AVX-512 | Letzte Änderung | 63903513 |
| Skalierbarkeit | 1S | Produktfamilie | Intel Xeon Processors |
| CPU Konfiguration (max) | 1 | Intel® Speed Shift-Technologie Version | 1,00 |
| | | Intel® Volume Management Device (VMD) Version | 1,00 |
| | | Speichergeschwindigkeit (max.) | 2666 MHz |

| Merkmale | | Technische Details | |
|--|---------|--|---------------------------|
| Eingebettete Optionen verfügbar | ✘ | Busgeschwindigkeit | 8 GT/s |
| PCI Express CEM Revision | 3.0 | Instandhaltungsstatus | Baseline Servicing |
| Exportkontroll-Klassifizierungsnummer (ECCN) | 5A992C | Datum des Endes der Wartungsaktualisierung | Sunday, December 31, 2023 |
| Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS) | G077159 | Logistikdaten | |
| Prozessor Besonderheiten | | Warentarifnummer (HS) | 85423119 |
| Intel® Hyper-Threading-Technik (Intel® HT Technology) | ✓ | Verpackungsdaten | |
| Intel® Turbo-Boost-Technologie | 2.0 | Verpackungsbreite | 104 mm |
| Intel® AES New Instructions (Intel® AES-NI) | ✓ | Verpackungstiefe | 130 mm |
| Verbesserte Intel SpeedStep Technologie | ✓ | Verpackungshöhe | 45 mm |
| Intel® Trusted-Execution-Technik | ✓ | Paketgewicht | 322 g |
| | | Verpackungsart | Einzelhandels-Box |
| | | Gewicht und Abmessungen | |
| | | Prozessor-Paketgröße | 76mm x 56.5mm |
| | | Sonstige Funktionen | |
| | | RAM-Speicher maximal | 512 GB |
| | | RAM-Speicher maximal | 524288 MB |



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