

Intel Core i3-10305 Prozessor 3,8 GHz 8 MB Smart Cache Box

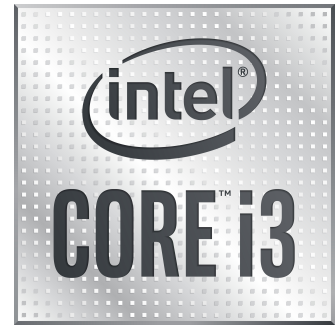
Marke : Intel

Produktfamilie: Core

Artikel-Code: BX8070110305

Produktname : i3-10305

Intel® Core™ i3-10305 Prozessor (8 MB Cache, bis zu 4,50 GHz)
 Intel Core i3-10305. Prozessorfamilie: Intel® Core™ i3, Prozessorsockel: LGA 1200 (Socket H5),
 Prozessor Lithografie: 14 nm. Speicherkanäle: Zweikanalig, Maximaler interner Speicher, vom Prozessor
 unterstützt: 128 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM. Eingebautes
 Grafikkartenmodell: Intel® UHD Graphics 630, Maximaler integrierter Grafik-Adapterspeicher: 64 GB,
 On-Board Grafikkadpter Basisfrequenz: 350 MHz. Marktsegment: Desktop, Nutzungsbedingungen:
 PC/Client/Tablet, PCI Express Konfigurationen: 1x16, 2x8, 1x8+2x4. Intel® Turbo Boost Technology 2.0
 frequency: 4,5 GHz



| Prozessor | | Merkmale | |
|---|--|--|-------------------------|
| Prozessorhersteller * | Intel | Maximale Anzahl der PCI-Express-Lanes | 16 |
| Prozessorgeneration | Intel® Core™ i3 Prozessoren der 10. Generation | PCI-Express-Slots-Version | 3.0 |
| Prozessor * | i3-10305 | PCI Express Konfigurationen | 1x16, 2x8, 1x8+2x4 |
| Grundfrequenz des Prozessors * | 3,8 GHz | Unterstützte Befehlssätze | SSE4.1, SSE4.2, AVX 2.0 |
| Prozessorfamilie * | Intel® Core™ i3 | Skalierbarkeit | 1S |
| Anzahl Prozessorkerne * | 4 | CPU Konfiguration (max) | 1 |
| Prozessorsockel * | LGA 1200 (Socket H5) | Eingebettete Optionen verfügbar | ✗ |
| Komponente für | PC | Spezifikation der thermischen Lösung | PCG 2015C |
| Prozessor Lithografie * | 14 nm | Exportkontroll-Klassifizierungsnummer (ECCN) | 5A992C |
| Prozessor-Threads | 8 | Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS) | G077159 |
| Systembus-Rate | 8 GT/s | | |
| Prozessorbetriebsmodi * | 64-Bit | | |
| Prozessor Boost-Frequenz | 4,5 GHz | | |
| Prozessor-Cache | 8 MB | | |
| Prozessor Cache Typ | Smart Cache | | |
| Thermal Design Power (TDP) | 65 W | | |
| Box * | ✓ | | |
| Durch den Prozessor (max) unterstützte Speicherbandbreite | 41,6 GB/s | | |
| Prozessor Codename | Comet Lake | | |
| ARK Prozessorerkennung | 201893 | | |
| Speicher | | Prozessor Besonderheiten | |
| Maximaler interner Speicher, vom Prozessor unterstützt | 128 GB | Intel® Hyper-Threading-Technik (Intel® HT Technology) | ✓ |
| Speichertypen, vom Prozessor unterstützt | DDR4-SDRAM | Intel® Identity-Protection-Technologie (Intel® IPT) | ✓ |
| Speichertaktraten, vom Prozessor unterstützt | 2666 MHz | Intel® Turbo-Boost-Technologie | 2.0 |
| Speicherkanäle * | Zweikanalig | Intel® Quick-Sync-Video-Technik | ✓ |
| ECC | ✗ | Intel® InTru™ 3D Technologie | ✓ |
| Speicherbandbreite (max.) | 41,6 GB/s | Intel® Clear Video HD Technologie für (Intel® CVT HD) | ✓ |
| | | Intel® AES New Instructions (Intel® AES-NI) | ✓ |
| | | Verbesserte Intel SpeedStep Technologie | ✓ |
| | | Intel® Trusted-Execution-Technik | ✗ |
| | | Intel® Thermal Velocity Boost (Thermischer Geschwindigkeitsanstieg) | ✗ |
| | | Intel® Turbo Boost Technology 2.0 frequency | 4,5 GHz |
| | | Intel® Transactional Synchronization Extensions | ✗ |
| | | Intel® VT-x mit Extended Page Tables (EPT) | ✓ |
| | | Intel® Sicherer Schlüssel | ✓ |
| | | Intel Stable Image Platform Program (SIPP) | ✗ |
| | | Intel® OS Guard | ✓ |
| | | Intel® Clear Video Technologie | ✓ |
| Grafik | | | |
| Eingebaute Grafikkadpter * | ✓ | | |
| Separater Grafikkadpter * | ✗ | | |
| Eingebautes Grafikkartenmodell * | Intel® UHD Graphics 630 | | |
| Maximaler integrierter Grafik-Adapterspeicher | 64 GB | | |
| On-Board Grafikkadpter Basisfrequenz | 350 MHz | | |

| Grafik | | Prozessor Besonderheiten | |
|---|-------------------|---|-------------------|
| Maximale dynamische Frequenz der On-Board Grafikkadapater | 1150 MHz | Intel® Software Guard Extensions (Intel® SGX) | ✓ |
| Anzahl an unterstützten Displays (On-Board-Grafik) | 3 | Intel® 64 | ✓ |
| 4K-Unterstützung durch On-Board Grafikkadapater | ✓ | Intel® Virtualization Technologie (VT-X) | ✓ |
| On-Board Grafikkadapater DirectX Version | 12.0 | Intel® Virtualisierungstechnik für direkte I/O (VT-d) | ✓ |
| On-Board Grafikkadapater OpenGL Version | 4.5 | Intel Turbo Boost Max Technology 3.0 | ✗ |
| Maximale Auflösung des On-Board Grafikkadapters (DisplayPort) | 4096 x 2304 Pixel | Intel® Optane™ Memory-bereit | ✓ |
| Maximale Auflösung des On-Board Grafikkadapters (eDP - integrierter Flachbildschirm) | 4096 x 2304 Pixel | Intel® Boot Guard | ✓ |
| Integrierter Grafik-Adapter maximale Auflösung (HDMI) | 4096 x 2160 Pixel | Intel® vPro™ Platform Eligibility | ✗ |
| Bildwiederholfrequenz des On-Board Grafikkadapters bei maximaler Auflösung (DisplayPort) | 60 Hz | Betriebsbedingungen | |
| Bildwiederholfrequenz des On-Board Grafikkadapters bei maximaler Auflösung (eDP - integrierter Flachbildschirm) | 60 Hz | Tjunction | 100 °C |
| Bildwiederholfrequenz des On-Board Grafikkadapters bei maximaler Auflösung (HDMI) | 30 Hz | Technische Details | |
| On-Board Grafikkadapater Geräte-ID | 0x9BC8 | Startdatum | Q1'21 |
| Separates Grafikkartenmodell * | Nicht verfügbar | Status | Launched |
| Merkmale | | Unterstützte Arbeitsspeicher | DDR4-SDRAM |
| Execute Disable Bit | ✓ | Logistikdaten | |
| Leerlauf Zustände | ✓ | Warentarifnummer (HS) | 85423119 |
| Thermal-Überwachungstechnologien | ✓ | Verpackungsdaten | |
| Marktsegment | Desktop | Verpackungsart | Einzelhandels-Box |
| Nutzungsbedingungen | PC/Client/Tablet | Gewicht und Abmessungen | |
| | | Prozessor-Paketgröße | 37.5 x 37.5 mm |
| | | Sonstige Funktionen | |
| | | RAM-Speicher maximal | 128 GB |



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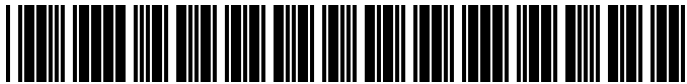
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