

## Intel Core i7-12700KF Prozessor 25 MB Smart Cache

Marke : Intel

Produktfamilie: Core

Artikel-Code:  
CM8071504553829

Produktname : i7-12700KF



Intel® Core™ i7-12700KF Prozessor (25 MB Cache, bis zu 5,00 GHz)

Intel Core i7-12700KF. Prozessorfamilie: Intel® Core™ i7, Prozessorsockel: LGA 1700,

Prozessorhersteller: Intel. Speicherkanäle: Zweikanalig, Maximaler interner Speicher, vom Prozessor unterstützt: 128 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM, DDR5-SDRAM.

Marktsegment: Desktop, Nutzungsbedingungen: PC/Client/Tablet, PCI-Express-Slots-Version: 5.0, 4.0.

Intel® Turbo Boost Max Technology 3.0 frequency: 5 GHz. Verpackungsart: Einzelhandels-Box



| Prozessor   |  | Merkmale   |          |
|---|--|--|----------|
| Prozessorhersteller *                                     | Intel  | Direkte Medienschnittstelle (DMI) Revision                             | 4.0      |
| Prozessorgeneration                                       | Intel® Core™ i7 Prozessoren der 12. Generation | Exportkontroll-Klassifizierungsnummer (ECCN)                           | 5A992CN3 |
| Prozessor *   | i7-12700KF                                     | Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS) | G167599  |
| Prozessorfamilie *  | Intel® Core™ i7                                | <b>Prozessor Besonderheiten</b>  |          |
| Anzahl Prozessorkerne *                                   | 12   | Intel® Hyper-Threading-Technik (Intel® HT Technology)                  | ✓        |
| Prozessorsockel *   | LGA 1700                                       | Intel® Turbo-Boost-Technologie   | 2.0      |
| Komponente für  | PC   | Intel® AES New Instructions (Intel® AES-NI)                            | ✓        |
| Prozessor-Threads   | 20   | Verbesserte Intel SpeedStep Technologie                                | ✓        |
| Prozessorbetriebsmodi *                                   | 64-Bit   | Intel®-Speed-Shift-Technologie   | ✓        |
| Leistungskerne  | 8  | Intel® Turbo Boost Max Technology 3.0 frequency                        | 5 GHz    |
| Effiziente Kerne  | 4  | Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0                  | ✓        |
| Prozessor Boost-Frequenz                                  | 5 GHz  | Intel® Control-flow Enforcement Technology (CET)                       | ✓        |
| Leistung Kern-Boost-Frequenz                              | 4,9 GHz  | Intel® Thread Director   | ✓        |
| Leistung Basisfrequenz des Kerns                          | 3,6 GHz  | Intel® VT-x mit Extended Page Tables (EPT)                             | ✓        |
| Effiziente Kern-Boost-Frequenz                            | 3,8 GHz  | Intel® Sicherer Schlüssel  | ✓        |
| Effiziente Basisfrequenz des Kerns                        | 2,7 GHz  | Intel® OS Guard  | ✓        |
| Prozessor-Cache   | 25 MB  | Intel® 64  | ✓        |
| Prozessor Cache Typ                                       | Smart Cache                                    | Intel® Virtualization Technologie (VT-X)                               | ✓        |
| Box *   | ✗  | Intel® Virtualisierungstechnik für direkte I/O (VT-d)                  | ✓        |
| Grundleistung des Prozessors                              | 125 W  | Intel Turbo Boost Max Technology 3.0                                   | ✓        |
| Maximale Turboleistung                                    | 190 W  | Intel® Optane™ Memory-bereit   | ✓        |
| Bus Typ   | DMI4   | Intel® Boot Guard  | ✓        |
| Maximale Anzahl DMI-Spuren                                | 8  | Intel® Deep Learning Boost (Intel® DL Boost)                           | ✓        |
| Durch den Prozessor (max) unterstützte Speicherbandbreite | 76,8 GB/s                                      | Intel® Volume Management Device (VMD)                                  | ✓        |
| Prozessor Codename  | Alder Lake                                     | Modusbasierte Execute Control (MBE)                                    | ✓        |
| ARK Prozessorerkennung                                    | 134595   | Intel® Standard Manageability (ISM)                                    | ✓        |
| <b>Speicher</b>   |  | <b>Betriebsbedingungen</b>   |          |
| Maximaler interner Speicher, vom Prozessor unterstützt    | 128 GB   | Tjunction  | 100 °C   |
| Speichertypen, vom Prozessor unterstützt                  | DDR4-SDRAM, DDR5-SDRAM                         | <b>Logistikdaten</b>   |          |
| Speicherkanäle *  | Zweikanalig                                    | Warentarifnummer (HS)  | 85423119 |
| Speicherbandbreite (max.)                                 | 76,8 GB/s                                      |  |          |
| <b>Grafik</b>   |  |  |          |
| Eingebaute Grafikkadappter *                              | ✗  |  |          |
| Separater Grafikkadappter *                               | ✗  |  |          |
| Separates Grafikkartenmodell *                            | Nicht verfügbar                                |  |          |
| <b>Merkmale</b>   |  |  |          |
| Execute Disable Bit                                       | ✓  |  |          |
| Leerlauf Zustände   | ✓  |  |          |
| Thermal-Überwachungstechnologien                          | ✓  |  |          |
| Marktsegment  | Desktop  |  |          |

| Merkmale                              |                         | Verpackungsdaten        |                          |
|---------------------------------------|-------------------------|-------------------------|--------------------------|
| Nutzungsbedingungen                   | PC/Client/Tablet        | Verpackungsart          | Einzelhandels-Box        |
| Maximale Anzahl der PCI-Express-Lanes | 20                      | Technische Details      |                          |
| PCI-Express-Slots-Version             | 5.0, 4.0                | Zielmarkt               | Gaming, Content Creation |
| PCI Express Konfigurationen           | 1x16+1x4, 2x8+1x4       | Startdatum              | Q4'21                    |
| Unterstützte Befehlssätze             | SSE4.1, SSE4.2, AVX 2.0 | Status                  | Launched                 |
| Skalierbarkeit                        | 1S                      | Gewicht und Abmessungen |                          |
| CPU Konfiguration (max)               | 1                       | Prozessor-Paketgröße    | 45 x 37.5 mm             |
| Eingebettete Optionen verfügbar       | ✘                       | Sonstige Funktionen     |                          |
| Spezifikation der thermischen Lösung  | PCG 2020A               | RAM-Speicher maximal    | 128 GB                   |



0675901979115



675901979115



505444444611



8592978350437

Disclaimer. The information published here (the "Information") is based on sources that can be considered reliable, typically the manufacturer, but this Information is provided "AS IS" and without guarantee of correctness or completeness. The Information is only indicative and can be changed at any time without notification. No rights can be based on the Information. Suppliers or aggregators of this Information do not accept any liability with regard to the content of (web)pages and other documents, including its Information. The publisher of the Information can not be held liable for the content of 3rd party websites that are linking this Information or are linked to from this Information. You as the User of the Information are solely responsible for the choice and usage of this Information. You are not entitled to transfer, copy or otherwise multiply or distribute the Information. You are obliged to follow the directions of the copyright owner(s) with regard to the use of the Information. Exclusively Dutch law is applicable. With regard to price and stock data on the site, the publisher followed a number of starting points, which are not necessarily relevant for your private or business circumstances. Therefore, the price and stock data are only indicative and are subject to changes. You are personally responsible for the way you use and apply this information. As a user of the Information or sites or documents in which this Information is included, you will adhere to standard fair use including avoidance of spamming, ripping, intellectual-property violations, privacy violations, and any other illegal activity.