

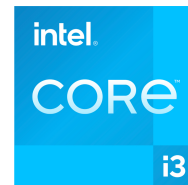
## Intel Core i3-13100F Prozessor 12 MB Smart Cache

Marke : Intel

Produktfamilie: Core

Artikel-Code:  
CM8071505092203

Produktname : i3-13100F



Intel® Core™ i3-13100F Prozessor (12 MB Cache, bis zu 4,50 GHz)

Intel Core i3-13100F. Prozessorfamilie: Intel® Core™ i3, Prozessorsockel: LGA 1700, Prozessorhersteller: Intel. Speicherkanäle: Zweikanalig, Maximaler interner Speicher, vom Prozessor unterstützt: 192 GB, Speichertypen, vom Prozessor unterstützt: DDR4-SDRAM, DDR5-SDRAM. Marktsegment: Desktop, Nutzungsbedingungen: PC/Client/Tablet, PCI-Express-Slots-Version: 5.0, 4.0. Verpackungsart: Einzelhandels-Box. Prozessor-Paketgröße: 45 x 37,5 mm



Prozessor		Merkmale	
Prozessorhersteller *	Intel	Direkte Medienschnittstelle (DMI) Revision	4.0
Prozessorgeneration	Intel Core i3-13xxx	Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C
Prozessor *	i3-13100F	Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	740.17B1
Prozessorfamilie *	Intel® Core™ i3	<b>Prozessor Besonderheiten</b>	
Anzahl Prozessorkerne *	4	Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Prozessorsockel *	LGA 1700	Intel® Turbo-Boost-Technologie	2.0
Prozessor-Threads	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Prozessorbetriebsmodi *	64-Bit	Verbesserte Intel SpeedStep Technologie	✓
Leistungskerne	4	Intel®-Speed-Shift-Technologie	✓
Prozessor Boost-Frequenz	4,5 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Leistung Kern-Boost-Frequenz	4,5 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Leistung Basisfrequenz des Kerns	3,4 GHz	Intel® Thread Director	✗
Prozessor-Cache	12 MB	Intel® VT-x mit Extended Page Tables (EPT)	✓
Prozessor Cache Typ	Smart Cache	Intel® Sicherer Schlüssel	✓
Box *	✗	Intel® OS Guard	✓
Grundleistung des Prozessors	58 W	Intel® 64	✓
Maximale Turboleistung	89 W	Intel® Virtualization Technologie (VT-X)	✓
Bus Typ	DMI4	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Maximale Anzahl DMI-Spuren	8	Intel Turbo Boost Max Technology 3.0	✗
Durch den Prozessor (max) unterstützte Speicherbandbreite	76,8 GB/s	Intel® Boot Guard	✓
Prozessor Codename	Raptor Lake	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ARK Prozessorerkennung	230576	Intel® Volume Management Device (VMD)	✓
<b>Speicher</b>		Modusbasierte Execute Control (MBE)	✓
Maximaler interner Speicher, vom Prozessor unterstützt	192 GB	Intel® Standard Manageability (ISM)	✓
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM, DDR5-SDRAM	<b>Betriebsbedingungen</b>	
Speicherkanäle *	Zweikanalig	Tjunction	100 °C
Speicherbandbreite (max.)	76,8 GB/s	<b>Logistikdaten</b>	
<b>Grafik</b>		Warentarifnummer (HS)	8542310001
Eingebaute Grafikkarte *	✗	<b>Verpackungsdaten</b>	
Separater Grafikkarte *	✗	Verpackungsart	Einzelhandels-Box
On-Board Grafikkartenmodell *	Nicht verfügbar		
Dediziertes Grafikkartenmodell *	Nicht verfügbar		
<b>Merkmale</b>			
Execute Disable Bit	✓		
Leerlauf Zustände	✓		
Thermal-Überwachungstechnologien	✓		
Marktsegment	Desktop		
Nutzungsbedingungen	PC/Client/Tablet		
Maximale Anzahl der PCI-Express-Lanes	20		
PCI-Express-Slots-Version	5.0, 4.0		

Merkmale		Technische Details	
PCI Express Konfigurationen	1x16+1x4, 2x8+1x4	Startdatum	Q1'23
Unterstützte Befehlssätze	SSE4.1, SSE4.2, AVX 2.0	Status	Launched
Skalierbarkeit	1S	<b>Gewicht und Abmessungen</b>	
CPU Konfiguration (max)	1	Prozessor-Paketgröße	45 x 37.5 mm
Eingebettete Optionen verfügbar	✘	<b>Sonstige Funktionen</b>	
		Pufferspeicher L2	5120 KB
		RAM-Speicher maximal	192 GB



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