

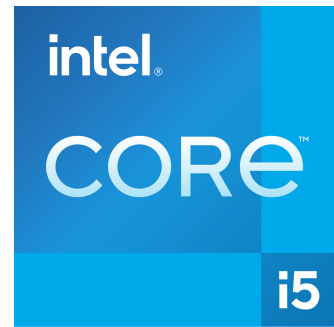
## Intel Core i5-13400F Prozessor 20 MB Smart Cache

Marke : Intel

Produktfamilie: Core

Artikel-Code:  
CM8071505093005

Produktname : i5-13400F



Intel® Core™ i5-13400F Prozessor (20 MB Cache, bis zu 4,60 GHz)

Intel Core i5-13400F. Prozessorfamilie: Intel® Core™ i5, 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. Prozessor-Paketgröße: 45 x 37.5 mm. Pufferspeicher L2: 9728 KB, RAM-Speicher maximal: 192 GB



Prozessor		Merkmale	
Prozessorhersteller *	Intel	Eingebettete Optionen verfügbar	✗
Prozessorgeneration	Intel® Core™ i5 Prozessoren der 13. Generation	Direkte Medienschnittstelle (DMI) Revision	4.0
Prozessor *	i5-13400F	Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C
Prozessorfamilie *	Intel® Core™ i5	Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	740.17B1
Anzahl Prozessorkerne *	10	<b>Prozessor Besonderheiten</b>	
Prozessorsockel *	LGA 1700	Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Prozessor-Threads	16	Intel® Turbo-Boost-Technologie	2.0
Prozessorbetriebsmodi *	64-Bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Leistungskerne	6	Verbesserte Intel SpeedStep Technologie	✓
Effiziente Kerne	4	Intel®-Speed-Shift-Technologie	✓
Prozessor Boost-Frequenz	4,6 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Leistung Kern-Boost-Frequenz	4,6 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Leistung Basisfrequenz des Kerns	2,5 GHz	Intel® Thread Director	✓
Effiziente Kern-Boost-Frequenz	3,3 GHz	Intel® VT-x mit Extended Page Tables (EPT)	✓
Effiziente Basisfrequenz des Kerns	1,8 GHz	Intel® Sicherer Schlüssel	✓
Prozessor-Cache	20 MB	Intel® OS Guard	✓
Prozessor Cache Typ	Smart Cache	Intel® 64	✓
Box *	✗	Intel® Virtualization Technologie (VT-X)	✓
Grundleistung des Prozessors	65 W	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Maximale Turboleistung	148 W	Intel Turbo Boost Max Technology 3.0	✗
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	Raptor Lake	Modusbasierte Execute Control (MBE)	✓
ARK Prozessorerkennung	230501	Intel® Standard Manageability (ISM)	✓
<b>Speicher</b>		<b>Betriebsbedingungen</b>	
Maximaler interner Speicher, vom Prozessor unterstützt	192 GB	Tjunction	100 °C
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM, DDR5-SDRAM		
Speicherkanäle *	Zweikanalig		
Speicherbandbreite (max.)	76,8 GB/s		
<b>Grafik</b>			
Eingebaute Grafikkarte *	✗		
Separater Grafikkarte *	✗		
On-Board Grafikkartenmodell *	Nicht verfügbar		
Dediziertes Grafikkartenmodell *	Nicht verfügbar		

Merkmale		Logistikdaten	
Execute Disable Bit	✓	Warentarifnummer (HS)	8542310001
Leerlauf Zustände	✓	<b>Technische Details</b>	
Thermal-Überwachungstechnologien	✓	Zielmarkt	Gaming
Marktsegment	Desktop	Startdatum	Q1'23
Nutzungsbedingungen	PC/Client/Tablet	Status	Launched
Maximale Anzahl der PCI-Express-Lanes	20	<b>Gewicht und Abmessungen</b>	
PCI-Express-Slots-Version	5.0, 4.0	Prozessor-Paketgröße	45 x 37.5 mm
PCI Express Konfigurationen	1x16+1x4, 2x8+1x4	<b>Sonstige Funktionen</b>	
Unterstützte Befehlssätze	SSE4.1, SSE4.2, AVX 2.0	Pufferspeicher L2	9728 KB
Skalierbarkeit	1S	RAM-Speicher maximal	192 GB
CPU Konfiguration (max)	1		



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