

Intel Core i9-13900F Prozessor 36 MB Smart Cache

Marke : Intel

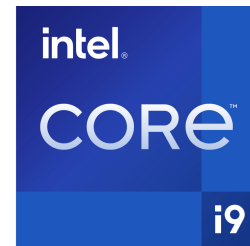
Produktfamilie: Core

Artikel-Code:
CM8071504820606

Produktname : i9-13900F

Intel® Core™ i9-13900F Prozessor (36 MB Cache, bis zu 5,60 GHz)

Intel Core i9-13900F. Prozessorfamilie: Intel® Core™ i9, 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. Intel® Turbo Boost Max Technology 3.0 frequency: 5,5 GHz, Intel® Thermal Velocity Boost Frequency: 5,6 GHz. Verpackungsart: Einzelhandels-Box



Prozessor		Merkmale	
Prozessorhersteller *	Intel	Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C
Prozessorgeneration	Intel® Core™ i9 Prozessoren der 13. Generation	Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	740.17B1
Prozessor *	i9-13900F	Prozessor Besonderheiten	
Prozessorfamilie *	Intel® Core™ i9	Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Anzahl Prozessorkerne *	24	Intel® Turbo-Boost-Technologie	2.0
Prozessorsockel *	LGA 1700	Intel® AES New Instructions (Intel® AES-NI)	✓
Prozessor-Threads	32	Verbesserte Intel SpeedStep Technologie	✓
Prozessorbetriebsmodi *	64-Bit	Intel® -Speed-Shift-Technologie	✓
Leistungskerne	8	Intel® Thermal Velocity Boost (Thermischer Geschwindigkeitsanstieg)	✓
Effiziente Kerne	16	Intel® Adaptive Boost Technology	✓
Prozessor Boost-Frequenz	5,6 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	5,5 GHz
Leistung Kern-Boost-Frequenz	5,2 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Leistung Basisfrequenz des Kerns	2 GHz	Intel® Thermal Velocity Boost Frequency	5,6 GHz
Effiziente Kern-Boost-Frequenz	4,2 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Effiziente Basisfrequenz des Kerns	1,5 GHz	Intel® Thread Director	✓
Prozessor-Cache	36 MB	Intel® VT-x mit Extended Page Tables (EPT)	✓
Prozessor Cache Typ	Smart Cache	Intel® Sicherer Schlüssel	✓
Box *	✗	Intel® OS Guard	✓
Grundleistung des Prozessors	65 W	Intel® 64	✓
Maximale Turboleistung	219 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	89,6 GB/s	Intel® Boot Guard	✓
Prozessor Codename	Raptor Lake	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ARK Prozessorererkennung	230502	Intel® Volume Management Device (VMD)	✓
Speicher		Modusbasierte Execute Control (MBE)	✓
Maximaler interner Speicher, vom Prozessor unterstützt	192 GB	Intel® Standard Manageability (ISM)	✓
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM, DDR5-SDRAM		
Speicherkanäle *	Zweikanalig		
Speicherbandbreite (max.)	89,6 GB/s		
Grafik			
Eingebaute Grafikkarte *	✗		
Separater Grafikkarte *	✗		
On-Board Grafikkartenmodell *	Nicht verfügbar		
Dediziertes Grafikkartenmodell *	Nicht verfügbar		
Merkmale			
Execute Disable Bit	✓		
Leerlauf Zustände	✓		

Merkmale	
Thermal-Überwachungstechnologien	✓
Marktsegment	Desktop
Nutzungsbedingungen	PC/Client/Tablet
Maximale Anzahl der PCI-Express-Lanes	20
PCI-Express-Slots-Version	5.0, 4.0
PCI Express Konfigurationen	1x16+1x4, 2x8+1x4
Unterstützte Befehlssätze	SSE4.1, SSE4.2, AVX 2.0
Skalierbarkeit	1S
CPU Konfiguration (max)	1
Eingebettete Optionen verfügbar	✗
Direkte Medienschnittstelle (DMI) Revision	4.0

Betriebsbedingungen	
Tjunction	100 °C
Logistikdaten	
Warentarifnummer (HS)	8542310001
Verpackungsdaten	
Verpackungsart	Einzelhandels-Box
Technische Details	
Zielmarkt	Gaming, Content Creation
Startdatum	Q1'23
Status	Launched
Gewicht und Abmessungen	
Prozessor-Paketgröße	45 x 37.5 mm
Sonstige Funktionen	
Pufferspeicher L2	32768 KB
RAM-Speicher maximal	192 GB



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