

Intel Core i3-14100F Prozessor 12 MB Smart Cache Box

Marke : Intel

Produktfamilie: Core

Artikel-Code: BX8071514100F

Produktname : i3-14100F

Intel Core i3-14100F. 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: 4.0, 5.0. Prozessor-Paketgröße: 45 x 37.5 mm. Pufferspeicher L2: 5120 KB, RAM-Speicher maximal: 192 GB



Prozessor		Merkmale	
Prozessorhersteller *	Intel	Eingebettete Optionen verfügbar	✗
Prozessorgeneration	Intel Core i3-14xxx	Direkte Medienschnittstelle (DMI) Revision	4.0
Prozessor *	i3-14100F	Exportkontroll-Klassifizierungsnummer (ECCN)	5A992C
Prozessorfamilie *	Intel® Core™ i3	Warenklassifizierungssystem zur automatisierten Nachverfolgung (CCATS)	740.17B1
Anzahl Prozessorkerne *	4	Prozessor Besonderheiten	
Prozessorsockel *	LGA 1700	Intel® Hyper-Threading-Technik (Intel® HT Technology)	✓
Prozessor-Threads	8	Intel® Turbo-Boost-Technologie	2.0
Prozessorbetriebsmodi *	64-Bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Leistungskerne	4	Verbesserte Intel SpeedStep Technologie	✓
Prozessor Boost-Frequenz	4,7 GHz	Intel®-Speed-Shift-Technologie	✓
Leistung Kern-Boost-Frequenz	4,7 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Leistung Basisfrequenz des Kerns	3,5 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Prozessor-Cache	12 MB	Intel® VT-x mit Extended Page Tables (EPT)	✓
Prozessor Cache Typ	Smart Cache	Intel® Sicherer Schlüssel	✓
Box *	✓	Intel® OS Guard	✓
Kühler enthalten *	✓	Intel® 64	✓
Grundleistung des Prozessors	58 W	Intel® Virtualization Technologie (VT-X)	✓
Maximale Turboleistung	110 W	Intel® Virtualisierungstechnik für direkte I/O (VT-d)	✓
Stepping	H0	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	236786	Intel® Standard Manageability (ISM)	✓
Speicher		Betriebsbedingungen	
Maximaler interner Speicher, vom Prozessor unterstützt	192 GB	Tjunction	100 °C
Speichertypen, vom Prozessor unterstützt	DDR4-SDRAM, DDR5-SDRAM	Logistikdaten	
Speicherkanäle *	Zweikanalig	Warentarifnummer (HS)	8542310001
Speicherbandbreite (max.)	76,8 GB/s	Technische Details	
Grafik		Startdatum	Q1'24
Eingebaute Grafikkarte *	✗		
Separater Grafikkarte *	✗		
Eingebautes Grafikkartenmodell *	Nicht verfügbar		
Separates Grafikkartenmodell *	Nicht verfügbar		
Merkmale			
Execute Disable Bit	✓		
Leerlauf Zustände	✓		
Thermal-Überwachungstechnologien	✓		
Marktsegment	Desktop		
Nutzungsbedingungen	PC/Client/Tablet		

Merkmale		Technische Details	
Maximale Anzahl der PCI-Express-Lanes	20	Status	Launched
PCI-Express-Slots-Version	4.0, 5.0	Gewicht und Abmessungen	
PCI Express Konfigurationen	1x16+1x4, 2x8+1x4	Prozessor-Paketgröße	45 x 37.5 mm
Unterstützte Befehlssätze	AVX 2.0, SSE4.1, SSE4.2	Sonstige Funktionen	
Skalierbarkeit	1S	Pufferspeicher L2	5120 KB
CPU Konfiguration (max)	1	RAM-Speicher maximal	192 GB



5032037279093



5032037279109



0735858547536



735858547536

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.