

## Intel Core i7-14700KF processor 33 MB Smart Cache

Merk : Intel

Productfamilie: Core

 Artikelcode:  
CM8071504820722

Productnaam : i7-14700KF



Intel Core i7-14700KF. Processorfamilie: Intel® Core™ i7, Processor socket: LGA 1700, Processorfabrikant: Intel. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 192 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM, DDR5-SDRAM. Marktsegment: Desktop, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express slots versie: 4.0, 5.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5,6 GHz. Verpakkingsgrootte processor: 45 x 37.5 mm



Processor		Kenmerken	
Processorfabrikant *	Intel	Ingebouwde opties beschikbaar	✗
Processorgeneratie	Intel Core i7-14xxx	Thermal solution specificatie	PCG 2020A
Processormodel *	i7-14700KF	Directe media-interface (DMI) revisie	4.0
Processorfamilie *	Intel® Core™ i7	Export Control Classification Number (ECCN)	5A992C
Aantal processorkernen *	20	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Processor socket *	LGA 1700	<b>Processor speciale functies</b>	
Processor aantal threads	28	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor operating modes *	64-bit	Intel® Turbo Boost Technology	2.0
Prestatiekernen	8	Intel® AES New Instructions (Intel® AES-NI)	✓
Efficiënte kernen	12	Enhanced Intel SpeedStep Technology	✓
Maximale turbofrequentie van processor	5,6 GHz	Intel® Speed Shift-technologie	✓
Prestatie-kernboostfrequentie	5,5 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	5,6 GHz
Prestatie-kernbasisfrequentie	3,4 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Efficiënte kernboostfrequentie	4,3 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Efficiënte kernbasisfrequentie	2,5 GHz	Intel® Thread Director	✓
Processor cache	33 MB	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel® Secure Key	✓
Box *	✗	Intel® OS Guard	✓
Processor basisvermogen	125 W	Intel® 64	✓
Maximaal turbovermogen	253 W	Intel® Virtualization Technology (VT-x)	✓
Stepping	B0	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximum aantal DMI lanes	8	Intel® Turbo Boost Max Technology 3.0	✓
Geheugenbandbreedte ondersteund door de processor ( max)	89,6 GB/s	Intel® Boot Guard	✓
Codenaam processor	Raptor Lake	Intel® Deep Learning Boost (Intel® DL Boost)	✓
ARK ID processor	236789	Intel® Volume Management Device (VMD)	✓
<b>Geheugen</b>		Mode-based Execute Control (MBE)	✓
Maximaal intern geheugen ondersteund door processor	192 GB	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	<b>Eisen aan de omgeving</b>	
Geheugen kanaal *	Dubbelkanaals	Tjunction	100 °C
Geheugen bandbreedte (max)	89,6 GB/s		
<b>Grafisch</b>			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
<b>Kenmerken</b>			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Marktsegment	Desktop		

Kenmerken		Logistieke gegevens	
Gebruiksvoorwaarden	PC/Client/Tablet	Code geharmoniseerd systeem (HS) 8542310001	
Maximaal aantal PCI Express-lijnen	20	Technische details	
PCI Express slots versie	4.0, 5.0	Lanceringsdatum	Q4'23
PCI Express configuraties	1x16+1x4, 2x8+1x4	Status	Launched
Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2	Gewicht en omvang	
Schaalbaarheid	1S	Verpakkingsgrootte processor	45 x 37.5 mm
CPU configuratie (max)	1	Overige specificaties	
		L2 cache	28672 KB
		Maximum intern geheugen	192 GB



5056489771288

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.

Publication date: 13-MAR-2024. Prints or copies of Information are only valid on the printed Publication date