



Intel Core i7-14700F processor 33 MB Smart Cache Box

Merk : Intel **Productfamilie:** Core **Artikelcode:** BX8071514700F
Productnaam : i7-14700F



Intel Core i7-14700F. 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: 5,4 GHz. Verpakkingsgrootte processor: 45 x 37,5 mm

Processor		Kenmerken	
Processorfabrikant *	Intel	CPU configuratie (max)	1
Processorgeneratie	Intel Core i7-14xxx	Ingebouwde opties beschikbaar	✗
Processormodel *	i7-14700F	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	Processor speciale functies	
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	5,4 GHz	Intel® Speed Shift-technologie	✓
Prestatie-kernboostfrequentie	5,3 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	5,4 GHz
Prestatie-kernbasisfrequentie	2,1 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Efficiënte kernboostfrequentie	4,2 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Efficiënte kernbasisfrequentie	1,5 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	✓
Inclusief koeler *	✓	Intel® 64	✓
Processor basisvermogen	65 W	Intel® Virtualization Technology (VT-x)	✓
Maximaal turbovermogen	219 W	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Stepping	B0	Intel® Turbo Boost Max Technology 3.0	✓
Maximum aantal DMI lanes	8	Intel® Boot Guard	✓
Geheugenbandbreedte ondersteund door de processor (max)	89,6 GB/s	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Codenaam processor	Raptor Lake	Intel® Volume Management Device (VMD)	✓
ARK ID processor	236854	Mode-based Execute Control (MBE)	✓
Geheugen		Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
Maximaal intern geheugen ondersteund door processor	192 GB	Eisen aan de omgeving	
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	Tjunction	100 °C
Geheugen kanaal *	Dubbelkanaals		
Geheugen bandbreedte (max)	89,6 GB/s		
Grafisch			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		

Kenmerken		Logistieke gegevens	
Idle States	✓	Code geharmoniseerd systeem (HS) 8542310001	
Thermal Monitoring Technologies	✓		
Marktsegment	Desktop	Technische details	
Gebruiksvoorwaarden	PC/Client/Tablet	Lanceringsdatum	Q1'24
Maximaal aantal PCI Express-lijnen	20	Status	Launched
PCI Express slots versie	4.0, 5.0	Gewicht en omvang	
PCI Express configuraties	1x16+1x4, 2x8+1x4	Verpakkingsgrootte processor	45 x 37.5 mm
Ondersteunde instructie sets	AVX 2.0, SSE4.1, SSE4.2	Overige specificaties	
Schaalbaarheid	1S	L2 cache	28672 KB
		Maximum intern geheugen	192 GB



5032037279246



0735858547680



735858547680



0735858547703



735858547703

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