

## Intel Core i7-13700F processor 30 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071513700F

Productnaam : i7-13700F



Intel Core i7-13700F. 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: 5.0, 4.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5,2 GHz. Type verpakking: Retaildoos



Processor		Kenmerken	
Processorfabrikant *	Intel	Ingebouwde opties beschikbaar	✗
Processorgeneratie	Intel® 13de generatie Core™ i7	Directe media-interface (DMI) revisie	4.0
Processormodel *	i7-13700F	Export Control Classification Number (ECCN)	5A992C
Processorfamilie *	Intel® Core™ i7	Commodity Classification Automated Tracking System (CCATS)	740.17B1
Aantal processorkernen *	16	<b>Processor speciale functies</b>	
Processor socket *	LGA 1700	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor aantal threads	24	Intel® Turbo Boost Technology	2.0
Processor operating modes *	64-bit	Intel® AES New Instructions (Intel® AES-NI)	✓
Prestatiekernen	8	Enhanced Intel SpeedStep Technology	✓
Efficiënte kernen	8	Intel® Speed Shift-technologie	✓
Maximale turbofrequentie van processor	5,2 GHz	Intel® Turbo Boost Max Technology 3.0 frequency	5,2 GHz
Prestatie-kernboostfrequentie	5,1 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Prestatie-kernbasisfrequentie	2,1 GHz	Intel® Control-flow Enforcement Technology (CET)	✓
Efficiënte kernboostfrequentie	4,1 GHz	Intel® Thread Director	✓
Efficiënte kernbasisfrequentie	1,5 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor cache	30 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel® OS Guard	✓
Box *	✓	Intel® 64	✓
Inclusief koeler *	✓	Intel® Virtualization Technology (VT-x)	✓
Processor basisvermogen	65 W	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Maximaal turbovermogen	219 W	Intel® Turbo Boost Max Technology 3.0	✓
Bus type	DMI4	Intel® Boot Guard	✓
Maximum aantal DMI lanes	8	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Geheugenbandbreedte ondersteund door de processor ( max)	89,6 GB/s	Intel® Volume Management Device (VMD)	✓
Codenaam processor	Raptor Lake	Mode-based Execute Control (MBE)	✓
ARK ID processor	230491	Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓
<b>Geheugen</b>		<b>Eisen aan de omgeving</b>	
Maximaal intern geheugen ondersteund door processor	192 GB	Tjunction	100 °C
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM	<b>Logistieke gegevens</b>	
Geheugen kanaal *	Dubbelkanaals	Code geharmoniseerd systeem (HS)	8542310001
Non-ECC	✓		
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	✓		

Kenmerken		Verpakking	
Thermal Monitoring Technologies	✓	Type verpakking	Retaildoos
Marktsegment	Desktop	<b>Technische details</b>	
Gebruiksvoorwaarden	PC/Client/Tablet	Doelgroep	Gaming, Content Creation
Maximaal aantal PCI Express-lijnen	20	Lanceringsdatum	Q1'23
PCI Express slots versie	5.0, 4.0	Status	Launched
PCI Express configuraties	1x16+1x4, 2x8+1x4	<b>Gewicht en omvang</b>	
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Verpakkingsgrootte processor	45 x 37.5 mm
Schaalbaarheid	1S	<b>Overige specificaties</b>	
CPU configuratie (max)	1	L2 cache	24576 KB
		Maximum intern geheugen	192 GB



5032037260237



0735858528276



735858528276

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.