

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

Merk : Intel

Productfamilie: Core

Artikelcode: BX8071513700KF

Productnaam : i7-13700KF



Intel Core i7-13700KF. 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: 5,4 GHz. Type verpakking: Retaildoos



### Processor

Processorfabrikant *	Intel
Processorgeneratie	Intel® 13de generatie Core™ i7
Processormodel *	i7-13700KF
Processorfamilie *	Intel® Core™ i7
Aantal processorkernen *	16
Processor socket *	LGA 1700
Processor aantal threads	24
Processor operating modes *	64-bit
Prestatiekernen	8
Efficiënte kernen	8
Maximale turbofrequentie van processor	5,4 GHz
Prestatie-kernboostfrequentie	5,3 GHz
Prestatie-kernbasisfrequentie	3,4 GHz
Efficiënte kernboostfrequentie	4,2 GHz
Efficiënte kernbasisfrequentie	2,5 GHz
Processor cache	30 MB
Processor cache type	Smart Cache
Box *	✓
Inclusief koeler *	✗
Processor basisvermogen	125 W
Maximaal turbovermogen	253 W
Stepping	B0
Bus type	DMI4
Maximum aantal DMI lanes	8
Geheugenbandbreedte ondersteund door de processor ( max)	89,6 GB/s
Codenaam processor	Raptor Lake
ARK ID processor	230489

### Geheugen

Maximaal intern geheugen ondersteund door processor	192 GB
Geheugentypen ondersteund door processor	DDR4-SDRAM, DDR5-SDRAM
Geheugen kanaal *	Dubbelkanaals
Non-ECC	✓
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	✓
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### Kenmerken

CPU configuratie (max)	1
Ingebouwde opties beschikbaar	✗
Directe media-interface (DMI) revisie	4.0
Export Control Classification Number (ECCN)	5A992C
Commodity Classification Automated Tracking System (CCATS)	740.17B1

### Processor speciale functies

Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Intel® Turbo Boost Technology	2.0
Intel® AES New Instructions (Intel® AES-NI)	✓
Enhanced Intel SpeedStep Technology	✓
Intel® Speed Shift-technologie	✓
Intel® Turbo Boost Max Technology 3.0 frequency	5,4 GHz
Intel® Gaussian & Neural Accelerator (Intel® GNA) 3.0	✓
Intel® Control-flow Enforcement Technology (CET)	✓
Intel® Thread Director	✓
Intel® VT-x with Extended Page Tables (EPT)	✓
Intel® Secure Key	✓
Intel® OS Guard	✓
Intel® 64	✓
Intel® Virtualization Technology (VT-x)	✓
Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Intel® Turbo Boost Max Technology 3.0	✓
Intel® Boot Guard	✓
Intel® Deep Learning Boost (Intel® DL Boost)	✓
Intel® Volume Management Device (VMD)	✓
Mode-based Execute Control (MBE)	✓
Intel® Standard Manageability (ISM, Standaard beheerbaarheid)	✓

### Eisen aan de omgeving

Tjunction	100 °C
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Kenmerken		Logistieke gegevens	
Idle States	✓	Code geharmoniseerd systeem (HS) 8542310001	
Thermal Monitoring Technologies	✓	<b>Verpakking</b>	
Marktsegment	Desktop	Type verpakking	Retaildoos
Gebruiksvoorwaarden	PC/Client/Tablet	<b>Technische details</b>	
Maximaal aantal PCI Express-lijnen	20	Doelgroep	Gaming, Content Creation
PCI Express slots versie	5.0, 4.0	Lanceringsdatum	Q4'22
PCI Express configuraties	1x16+1x4, 2x8+1x4	Status	Launched
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	<b>Overige specificaties</b>	
Schaalbaarheid	1S	L2 cache	24576 KB
		Maximum intern geheugen	192 GB



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