

Intel Core i7-10700KF processor 3,8 GHz 16 MB Smart Cache Box

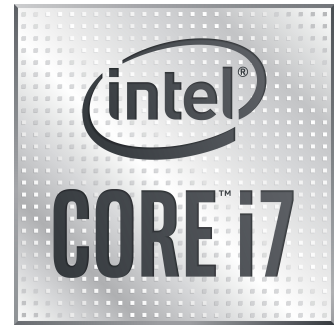
Merk : Intel

Productfamilie: Core

Artikelcode: BX8070110700KF

Productnaam : i7-10700KF

Intel Core i7-10700KF. Processorfamilie: Intel® Core™ i7, Processor socket: LGA 1200 (Socket H5), Processor lithografie: 14 nm. Geheugen kanaal: Dubbelkanaals, Maximaal intern geheugen ondersteund door processor: 128 GB, Geheugentypen ondersteund door processor: DDR4-SDRAM. Marktsegment: Desktop, PCI Express configuraties: 1x16, 2x8, 1x8+2x4, Ondersteunde instructie sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Max Technology 3.0 frequency: 5,1 GHz, Intel® Turbo Boost Technology 2.0 frequency: 5 GHz. Type verpakking: Retaildoos



Processor		Kenmerken	
Processorfabrikant *	Intel	Export Control Classification Number (ECCN)	5A992C
Processorgeneratie	Intel® 10de generatie Core™ i7	Commodity Classification Automated Tracking System (CCATS)	G077159
Processormodel *	i7-10700KF	Processor speciale functies	
Basisfrequentie processor *	3,8 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processorfamilie *	Intel® Core™ i7	Intel® Identity Protection Technology (Intel® IPT)	✓
Aantal processorkernen *	8	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1200 (Socket H5)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component voor	PC	Enhanced Intel SpeedStep Technology	✓
Processor lithografie *	14 nm	Intel® Trusted Execution Technology	✗
Processor aantal threads	16	Intel® Thermal Velocity Boost	✗
Systeembus	8 GT/s	Intel® Turbo Boost Max Technology 3.0 frequency	5,1 GHz
Processor operating modes *	64-bit	Intel® Turbo Boost Technology 2.0 frequency	5 GHz
Maximale turbofrequentie van processor	5,1 GHz	Intel® Transactional Synchronization Extensions	✗
Processor cache	16 MB	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor cache type	Smart Cache	Intel® Secure Key	✓
Thermal Design Power (TDP)	125 W	Intel® Stable Image Platform Program (SIPP)	✗
Box *	✓	Intel® OS Guard	✓
Configureerbare TDP-downfrequentie	3,5 GHz	Intel® Software Guard Extensions (Intel® SGX)	✓
Inclusief koeler *	✗	Intel® 64	✓
Configureerbare TDP-down	95 W	Intel® Virtualization Technology (VT-x)	✓
Generatie	10th Generation	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Geheugenbandbreedte ondersteund door de processor (max)	45,8 GB/s	Intel® Turbo Boost Max Technology 3.0	✓
Codenaam processor	Comet Lake	Intel® Optane™ Memory Ready	✓
ARK ID processor	199325	Intel® Boot Guard	✓
Geheugen		Intel® vPro™ Platform Eligibility	✗
Maximaal intern geheugen ondersteund door processor	128 GB		
Geheugentypen ondersteund door processor	DDR4-SDRAM		
Klokgeheugen-snelheden ondersteund door processor	2933 MHz		
Geheugen kanaal *	Dubbelkanaals		
ECC	✗		
Grafisch			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		

Grafisch		Eisen aan de omgeving	
Discreet grafische adapter model *	Niet beschikbaar	Tjunction	100 °C
Kenmerken		Technische details	
Execute Disable Bit	✓	Doelgroep	Gaming, Content Creation
Idle States	✓	Lanceringsdatum	Q2'20
Thermal Monitoring Technologies	✓	Type product	Processor
Marktsegment	Desktop	Status	Launched
Maximaal aantal PCI Express-lijnen	16	Maximaal geheugen	128 GB
PCI Express slots versie	3.0	Ondersteunde geheugen types	DDR4-SDRAM
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Bussnelheid	8 GT/s
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	Logistieke gegevens	
Schaalbaarheid	1S	Code geharmoniseerd systeem (HS)	85423119
CPU configuratie (max)	1	Verpakking	
Ingebouwde opties beschikbaar	✗	Type verpakking	Retaildoos
Thermal solution specificatie	PCG 2015D	Gewicht en omvang	
PCI Express CEM revisie	3.0	Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB



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