

Intel Core i7-11700KF processor 3,6 GHz 16 MB Smart Cache Box

Merk : Intel

Productfamilie: Core

Artikelcode: BX8070811700KF

Productnaam : i7-11700KF



Intel Core i7-11700KF. 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, Gebruiksvoorwaarden: PC/Client/Tablet, PCI Express configuraties: 1x16+1x4, 2x8+1x4, 1x8+3x4. Intel® Turbo Boost Max Technology 3.0 frequency: 5 GHz, Intel® Turbo Boost Technology 2.0 frequency: 4,9 GHz. Type verpakking: Retaildoos



Processor		Kenmerken	
Processorfabrikant *	Intel	Commodity Classification	
Processorgeneratie	Intel® 11de generatie Core™ i7	Automated Tracking System (CCATS)	G167599
Processormodel *	i7-11700KF	Processor speciale functies	
Basisfrequentie processor *	3,6 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 GHz
Processor operating modes *	64-bit	Intel® Turbo Boost Technology 2.0 frequency	4,9 GHz
Maximale turbofrequentie van processor	5 GHz	Intel® Gaussian & Neural Accelerator (Intel® GNA) 2.0	✓
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	3,1 GHz	Intel® Software Guard Extensions (Intel® SGX)	✗
Configureerbare TDP-down	95 W	Intel® 64	✓
Geheugenbandbreedte ondersteund door de processor (max)	50 GB/s	Intel® Virtualization Technology (VT-x)	✓
ARK ID processor	212048	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
Geheugen		Intel® Turbo Boost Max Technology 3.0	✓
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Optane™ Memory Ready	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Boot Guard	✓
Klokgeheugen-snelheden ondersteund door processor	3200 MHz	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Geheugen kanaal *	Dubbelkanaals	Intel® vPro™ Platform Eligibility	✗
ECC	✗	Eisen aan de omgeving	
Geheugen bandbreedte (max)	50 GB/s	Tjunction	100 °C
Grafisch		Technische details	
Ingebouwde grafische adapter *	✗	Doelgroep	Gaming, Content Creation
Aparte grafische adapter *	✗	Lanceringsdatum	Q1'21
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
Kenmerken			
Execute Disable Bit	✓		
Idle States	✓		
Thermal Monitoring Technologies	✓		
Marktsegment	Desktop		

Kenmerken		Technische details	
Gebruiksvoorwaarden	PC/Client/Tablet	Status	Launched
Maximaal aantal PCI Express-lijnen	20	Ondersteunde geheugen types	DDR4-SDRAM
PCI Express slots versie	4.0	Logistieke gegevens	
PCI Express configuraties	1x16+1x4, 2x8+1x4, 1x8+3x4	Code geharmoniseerd systeem (HS)	85423119
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512	Verpakking	
Schaalbaarheid	1S	Type verpakking	Retaildoos
CPU configuratie (max)	1	Gewicht en omvang	
Ingebouwde opties beschikbaar	✘	Verpakkingsgrootte processor	37.5 x 37.5 mm
Export Control Classification Number (ECCN)	5A992CN3	Overige specificaties	
		Maximum intern geheugen	128 GB



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