

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

Merk : Intel

Productfamilie: Core

 Artikelcode:
CM8070804488629

Productnaam : i7-11700K



Intel Core i7-11700K. 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. On-board graphics adapter model: Intel UHD Graphics 750, Maximaal geheugen ingebouwde grafische adapter: 64 GB, Basisfrequentie ingebouwde grafische adapter: 350 MHz. 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



Processor		Kenmerken	
Processorfabrikant *	Intel	Maximaal aantal PCI Express-lijnen	20
Processorgeneratie	Intel® 11de generatie Core™ i7	PCI Express slots versie	4.0
Processormodel *	i7-11700K	PCI Express configuraties	1x16+1x4, 2x8+1x4, 1x8+3x4
Basisfrequentie processor *	3,6 GHz	Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512
Processorfamilie *	Intel® Core™ i7	Schaalbaarheid	1S
Aantal processorkernen *	8	CPU configuratie (max)	1
Processor socket *	LGA 1200 (Socket H5)	Ingebouwde opties beschikbaar	✗
Component voor	PC	Export Control Classification Number (ECCN)	5A992CN3
Processor lithografie *	14 nm	Commodity Classification Automated Tracking System (CCATS)	G167599
Processor aantal threads	16		
Systeembus	8 GT/s		
Processor operating modes *	64-bit		
Maximale turbofrequentie van processor	5 GHz		
Processor cache	16 MB		
Processor cache type	Smart Cache		
Thermal Design Power (TDP)	125 W		
Box *	✗		
Configureerbare TDP-downfrequentie	3,1 GHz		
Inclusief koeler *	✗		
Configureerbare TDP-down	95 W		
Geheugenbandbreedte ondersteund door de processor (max)	50 GB/s		
ARK ID processor	212047		
Geheugen		Processor speciale functies	
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® Identity Protection Technology (Intel® IPT)	✓
Klokgeheugen-snelheden ondersteund door processor	3200 MHz	Intel® Turbo Boost Technology	2.0
Geheugen kanaal *	Dubbelkanaals	Intel® Quick Sync Video Technology	✓
ECC	✗	Intel® InTru™ 3D Technology	✓
Geheugen bandbreedte (max)	50 GB/s	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
		Intel® AES New Instructions (Intel® AES-NI)	✓
		Enhanced Intel SpeedStep Technology	✓
		Intel® Trusted Execution Technology	✓
		Intel® Thermal Velocity Boost	✗
		Intel® Turbo Boost Max Technology 3.0 frequency	5 GHz
		Intel® Turbo Boost Technology 2.0 frequency	4,9 GHz
		Intel® Gaussian & Neural Accelerator (Intel® GNA) 2.0	✓
		Intel® VT-x with Extended Page Tables (EPT)	✓
		Intel® Secure Key	✓
		Intel® Stable Image Platform Program (SIPP)	✓
		Intel® OS Guard	✓
		Intel® Clear Video-technologie	✓
		Intel® Software Guard Extensions (Intel® SGX)	✗
		Intel® 64	✓
Grafisch			
Ingebouwde grafische adapter *	✓		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Intel UHD Graphics 750		
Maximaal geheugen ingebouwde grafische adapter	64 GB		
Basisfrequentie ingebouwde grafische adapter	350 MHz		

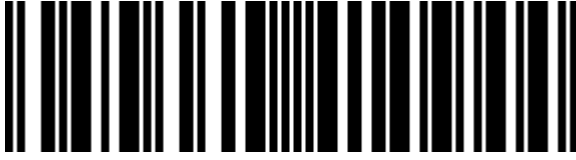
Grafisch		Processor speciale functies	
Graphics on-board -adapter dynamische frequentie (max)	1300 MHz	Intel® Virtualization Technology (VT-x)	✓
Aantal displays ondersteund (door on-board grafische adapter)	3	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
4K-ondersteuning	✓	Intel® Turbo Boost Max Technology 3.0	✓
On-board grafische adapter OpenGL versie	4.5	Intel® Optane™ Memory Ready	✓
Graphics aan boord maximale resolutie adapter (DisplayPort)	5120 x 3200 Pixels	Intel® Boot Guard	✓
Maximale resolutie (eDP - Integrated Flat Panel)	5120 x 3200 Pixels	Intel® Deep Learning Boost (Intel® DL Boost)	✓
Maximale resolutie ingebouwde grafische adapter (HDMI)	4096 x 2160 Pixels	Intel® vPro™ Platform Eligibility	✓
Grafische adapter refresh rate on-board bij maximale resolutie (DisplayPort)	60 Hz	Eisen aan de omgeving	
Refresh rate op maximale resolutie (eDP - Integrated Flat Panel)	60 Hz	Tjunction	100 °C
Verversingsfrequentie ingebouwde grafische adapter bij maximale resolutie (HDMI)	60 Hz	Technische details	
On-board grafische adapter ID	0x4C8A	Doelgroep	Gaming, Content Creation
Discreet grafische adapter model *	Niet beschikbaar	Lanceringsdatum	Q1'21
Aantal verwerkingseenheden	32	Status	Launched
Kenmerken		Ondersteunde geheugen types	DDR4-SDRAM
Execute Disable Bit	✓	Logistieke gegevens	
Idle States	✓	Code geharmoniseerd systeem (HS)	85423119
Thermal Monitoring Technologies	✓	Verpakking	
Marktsegment	Desktop	Type verpakking	Retaildoos
Gebruiksvoorwaarden	PC/Client/Tablet	Gewicht en omvang	
		Verpakkingsgrootte processor	37.5 x 37.5 mm
		Overige specificaties	
		Maximum intern geheugen	128 GB



8592978307226



5415247281269



5054444410944



0675901924047



675901924047

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.