Intel Core i7-11700F processor 2,5 GHz 16 MB Smart Cache Box
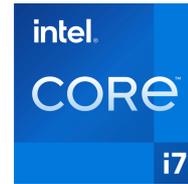
Merk : Intel   **Productfamilie:** Core   **Artikelcode:** BX8070811700F

Productnaam : i7-11700F

Intel Core i7-11700F. 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: 4,9 GHz, Intel® Turbo Boost Technology 2.0 frequency: 4,8 GHz. Type verpakking: Retaildoos

Processor

Processorfabrikant *	Intel
Processorgeneratie	Intel® 11de generatie Core™ i7
Processormodel *	i7-11700F
Basisfrequentie processor *	2,5 GHz
Processorfamilie *	Intel® Core™ i7
Aantal processorkernen *	8
Processor socket *	LGA 1200 (Socket H5)
Component voor	PC
Processor lithografie *	14 nm
Processor aantal threads	16
Systeembus	8 GT/s
Processor operating modes *	64-bit
Maximale turbofrequentie van processor	4,9 GHz
Processor cache	16 MB
Processor cache type	Smart Cache
Thermal Design Power (TDP)	65 W
Box *	✔
Geheugenbandbreedte ondersteund door de processor (max)	50 GB/s
ARK ID processor	212280

Geheugen

Maximaal intern geheugen ondersteund door processor	128 GB
Geheugentypen ondersteund door processor	DDR4-SDRAM
Klokgeheugen-snelheden ondersteund door processor	3200 MHz
Geheugen kanaal *	Dubbelkanaals
ECC	✘
Geheugen bandbreedte (max)	50 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	✔
Idle States	✔
Thermal Monitoring Technologies	✔
Marktsegment	Desktop
Gebruiksvoorwaarden	PC/Client/Tablet
Maximaal aantal PCI Express-lijnen	20
PCI Express slots versie	4.0

Processor speciale functies

Intel® Hyper Threading Technology (Intel® HT Technology)	✔
Intel® Identity Protection Technology (Intel® IPT)	✔
Intel® Turbo Boost Technology	2.0
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	4,9 GHz
Intel® Turbo Boost Technology 2.0 frequency	4,8 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® Software Guard Extensions (Intel® SGX)	✘
Intel® 64	✔
Intel® Virtualization Technology (VT-x)	✔
Intel® Virtualization Technology for Directed I/O (VT-d)	✔
Intel® Turbo Boost Max Technology 3.0	✔
Intel® Optane™ Memory Ready	✔
Intel® Boot Guard	✔
Intel® Deep Learning Boost (Intel® DL Boost)	✔
Intel® vPro™ Platform Eligibility	✘

Eisen aan de omgeving

Tjunction	100 °C

Technische details

Doelgroep	Gaming, Content Creation
Lanceringsdatum	Q1'21
Status	Launched
Ondersteunde geheugen types	DDR4-SDRAM

Logistieke gegevens

Kenmerken

PCI Express configuraties	1x16+1x4, 2x8+1x4, 1x8+3x4
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0, AVX-512
Schaalbaarheid	1S
CPU configuratie (max)	1
Ingebouwde opties beschikbaar	✘
Export Control Classification Number (ECCN)	5A992CN3
Commodity Classification Automated Tracking System (CCATS)	G167599

Logistieke gegevens

Code geharmoniseerd systeem (HS)	85423119

Verpakking

Type verpakking	Retaildoos

Gewicht en omvang

Verpakkingsgrootte processor	37.5 x 37.5 mm

Overige specificaties

Maximum intern geheugen	128 GB

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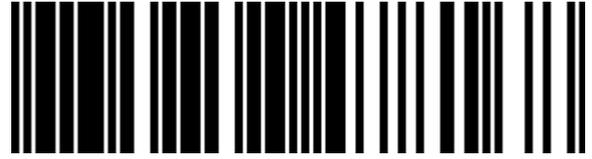
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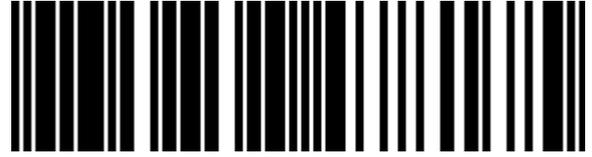
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