

## Intel Core i3-10100F processor 3,6 GHz 6 MB Smart Cache Box

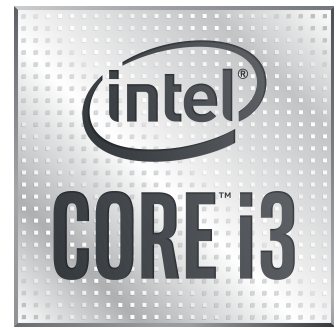
Merk : Intel

Productfamilie: Core

Artikelcode: BX8070110100F

Productnaam : i3-10100F

Intel Core i3-10100F. Processorfamilie: Intel® Core™ i3, 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 Technology 2.0 frequency: 4,3 GHz. Type verpakking: Retaildoos



Processor		Kenmerken	
Processorfabrikant *	Intel	Export Control Classification Number (ECCN)	5A992C
Processorgeneratie	Intel® 10de generatie Core™ i3	Commodity Classification Automated Tracking System (CCATS)	G077159
Processormodel *	i3-10100F	<b>Processor speciale functies</b>	
Basisfrequentie processor *	3,6 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processorfamilie *	Intel® Core™ i3	Intel® Identity Protection Technology (Intel® IPT)	✓
Aantal processorkernen *	4	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	8	Intel® Thermal Velocity Boost	✗
Systeembus	8 GT/s	Intel® Turbo Boost Technology 2.0 frequency	4,3 GHz
Processor operating modes *	64-bit	Intel® Transactional Synchronization Extensions	✗
Maximale turbofrequentie van processor	4,3 GHz	Intel® VT-x with Extended Page Tables (EPT)	✓
Processor cache	6 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel® Stable Image Platform Program (SIPP)	✗
Thermal Design Power (TDP)	65 W	Intel® OS Guard	✓
Box *	✓	Intel® Software Guard Extensions (Intel® SGX)	✓
Inclusief koeler *	✓	Intel® 64	✓
Geheugenbandbreedte ondersteund door de processor ( max)	41,6 GB/s	Intel® Virtualization Technology (VT-x)	✓
Codenaam processor	Comet Lake	Intel® Virtualization Technology for Directed I/O (VT-d)	✓
ARK ID processor	203473	Intel® Turbo Boost Max Technology 3.0	✗
<b>Geheugen</b>		Intel® Optane™ Memory Ready	✓
Maximaal intern geheugen ondersteund door processor	128 GB	Intel® Boot Guard	✓
Geheugentypen ondersteund door processor	DDR4-SDRAM	Intel® vPro™ Platform Eligibility	✗
Klokgeheugen-snelheden ondersteund door processor	2666 MHz	<b>Eisen aan de omgeving</b>	
Geheugen kanaal *	Dubbelkanaals	Tjunction	100 °C
ECC	✗		
<b>Grafisch</b>			
Ingebouwde grafische adapter *	✗		
Aparte grafische adapter *	✗		
On-board graphics adapter model *	Niet beschikbaar		
Discreet grafische adapter model *	Niet beschikbaar		
<b>Kenmerken</b>			
Execute Disable Bit	✓		
Idle States	✓		

Kenmerken		Technische details	
Thermal Monitoring Technologies	✓	Lanceringsdatum	Q4'20
Marktsegment	Desktop	Status	Launched
Maximaal aantal PCI Express-lijnen	16	Ondersteunde geheugen types	DDR4-SDRAM
PCI Express slots versie	3.0	<b>Logistieke gegevens</b>	
PCI Express configuraties	1x16, 2x8, 1x8+2x4	Code geharmoniseerd systeem (HS)	85423119
Ondersteunde instructie sets	SSE4.1, SSE4.2, AVX 2.0	<b>Verpakking</b>	
Schaalbaarheid	1S	Type verpakking	Retaildoos
CPU configuratie (max)	1	<b>Gewicht en omvang</b>	
Ingebouwde opties beschikbaar	✗	Verpakkingsgrootte processor	37.5 x 37.5 mm
Thermal solution specificatie	PCG 2015C	<b>Overige specificaties</b>	
		Maximum intern geheugen	128 GB



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