

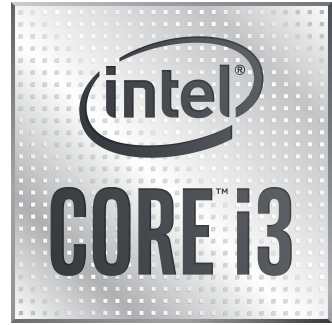
## Intel Core i3-10100F processor 3.6 GHz 6 MB Smart Cache

**Brand :** Intel

**Product family:** Core

**Product code:**  
CM8070104291318

**Product name :** i3-10100F



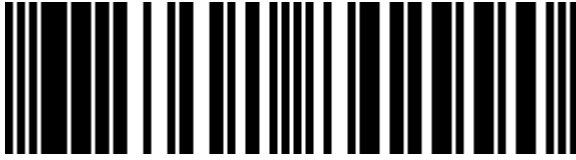
Intel Core i3-10100F Processor (6MB Cache, up to 4.3 GHz)

Intel Core i3-10100F. Processor family: Intel® Core™ i3, Processor socket: LGA 1200 (Socket H5), Processor lithography: 14 nm. Memory channels: Dual-channel, Maximum internal memory supported by processor: 128 GB, Memory types supported by processor: DDR4-SDRAM. Market segment: Desktop, PCI Express configurations: 1x16, 2x8, 1x8+2x4, Supported instruction sets: SSE4.1, SSE4.2, AVX 2.0. Intel® Turbo Boost Technology 2.0 frequency: 4.3 GHz. Package type: Retail box



Processor		Features	
Processor manufacturer *	Intel	Commodity Classification	
Processor generation	10th gen Intel® Core™ i3	Automated Tracking System (CCATS)	G077159
Processor model *	i3-10100F	<b>Processor special features</b>	
Processor base frequency *	3.6 GHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor family *	Intel® Core™ i3	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor cores *	4	Intel® Turbo Boost Technology	2.0
Processor socket *	LGA 1200 (Socket H5)	Intel® AES New Instructions (Intel® AES-NI)	✓
Component for	PC	Enhanced Intel SpeedStep Technology	✓
Processor lithography *	14 nm	Intel Trusted Execution Technology	✗
Processor threads	8	Intel® Thermal Velocity Boost	✗
System bus rate	8 GT/s	Intel® Turbo Boost Technology 2.0 frequency	4.3 GHz
Processor operating modes *	64-bit	Intel® Transactional Synchronization Extensions	✗
Processor boost frequency	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)	✓
Cooler included *	✗	Intel 64	✓
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel Virtualization Technology (VT-x)	✓
Processor codename	Comet Lake	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Processor ARK ID	203473	Intel Turbo Boost Max Technology 3.0	✗
<b>Memory</b>		Intel® Optane™ Memory Ready	✓
Maximum internal memory supported by processor	128 GB	Intel® Boot Guard	✓
Memory types supported by processor	DDR4-SDRAM	Intel® vPro™ Platform Eligibility	✗
Memory clock speeds supported by processor	2666 MHz	<b>Operational conditions</b>	
Memory channels *	Dual-channel	Tjunction	100 °C
ECC	✗	<b>Technical details</b>	
<b>Graphics</b>		Launch date	Q4'20
On-board graphics card *	✗	Status	Launched
Discrete graphics card *	✗		
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
<b>Features</b>			
Execute Disable Bit	✓		
Idle States	✓		

Features		Technical details	
Thermal Monitoring Technologies	✓	Supported memory types	DDR4-SDRAM
Market segment	Desktop	<b>Logistics data</b>	
Maximum number of PCI Express lanes	16	Harmonized System (HS) code	85423119
PCI Express slots version	3.0	<b>Packaging data</b>	
PCI Express configurations	1x16, 2x8, 1x8+2x4	Package type	Retail box
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	<b>Weight &amp; dimensions</b>	
Scalability	1S	Processor package size	37.5 x 37.5 mm
CPU configuration (max)	1	<b>Other features</b>	
Embedded options available	✗	Maximum internal memory	128 GB
Thermal solution specification	PCG 2015C		
Export Control Classification Number (ECCN)	5A992C		



0675901842990



675901842990



5415247274605



5054444424750



8592978331528

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.