

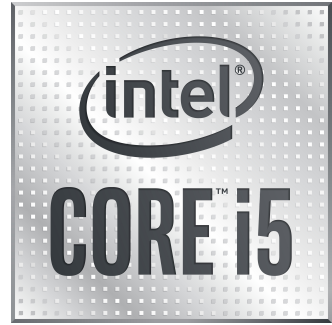
Intel Core i5-10400F processor 2.9 GHz 12 MB Smart Cache

Brand : Intel

Product family: Core

Product code:
CM8070104290716

Product name : i5-10400F



Intel Core i5-10400F Processor (12MB Cache, up to 4.3 GHz)

Intel Core i5-10400F. Processor family: Intel® Core™ i5, 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 width: 70 mm, Package depth: 116 mm, Package height: 101 mm



Processor		Processor special features	
Processor manufacturer *	Intel	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor generation	10th gen Intel® Core™ i5	Intel® Identity Protection Technology (Intel® IPT)	✓
Processor model *	i5-10400F	Intel® Turbo Boost Technology	2.0
Processor base frequency *	2.9 GHz	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor family *	Intel® Core™ i5	Enhanced Intel SpeedStep Technology	✓
Processor cores *	6	Intel Trusted Execution Technology	✗
Processor socket *	LGA 1200 (Socket H5)	Intel® Thermal Velocity Boost	✗
Component for	PC	Intel® Turbo Boost Technology 2.0 frequency	4.3 GHz
Processor lithography *	14 nm	Intel® Transactional Synchronization Extensions	✗
Processor threads	12	Intel VT-x with Extended Page Tables (EPT)	✓
System bus rate	8 GT/s	Intel® Secure Key	✓
Processor operating modes *	64-bit	Intel Stable Image Platform Program (SIPP)	✗
Processor boost frequency	4.3 GHz	Intel® OS Guard	✓
Processor cache	12 MB	Intel Software Guard Extensions (Intel SGX)	✓
Processor cache type	Smart Cache	Intel 64	✓
Thermal Design Power (TDP)	65 W	Intel Virtualization Technology (VT-x)	✓
Box *	✗	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Cooler included *	✗	Intel Turbo Boost Max Technology 3.0	✗
Generation	10th Generation	Intel® Optane™ Memory Ready	✓
Memory bandwidth supported by processor (max)	41.6 GB/s	Intel® Boot Guard	✓
Processor codename	Comet Lake	Intel® vPro™ Platform Eligibility	✗
Processor ARK ID	199278		
Memory		Operational conditions	
Maximum internal memory supported by processor	128 GB	Tjunction	100 °C
Memory types supported by processor	DDR4-SDRAM	Technical details	
Memory clock speeds supported by processor	2666 MHz	Target market	Gaming
Memory channels *	Dual-channel	Launch date	Q2'20
ECC	✗	Product type	Processor
Graphics		Status	Launched
On-board graphics card *	✗	Maximum memory	128 GB
Discrete graphics card *	✗	Supported memory types	DDR4-SDRAM
On-board graphics card model *	Not available		
Discrete graphics card model *	Not available		
Features			
Execute Disable Bit	✓		

Features		Technical details	
Idle States	✓	Bus speed	8 GT/s
Thermal Monitoring Technologies	✓	Logistics data	
Market segment	Desktop	Harmonized System (HS) code	85423119
Maximum number of PCI Express lanes	16	Packaging data	
PCI Express slots version	3.0	Package width	70 mm
PCI Express configurations	1x16, 2x8, 1x8+2x4	Package depth	116 mm
Supported instruction sets	SSE4.1, SSE4.2, AVX 2.0	Package height	101 mm
Scalability	1S	Package type	Tray
CPU configuration (max)	1	Weight & dimensions	
Embedded options available	✗	Processor package size	37.5 x 37.5 mm
Thermal solution specification	PCG 2015C	Other features	
PCI Express CEM revision	3.0	Maximum internal memory	128 GB
Export Control Classification Number (ECCN)	5A992C		
Commodity Classification Automated Tracking System (CCATS)	G077159		



8592978318154



8435280909064

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.