ComX Computers
Product Specification Sheet

CM8070104291318

Intel Core I3 10100F 3.6 GHz 4 Core 8 Thread LGA 1200 Processor

Product Overview

Intel Core I3 10100F - 3.6 GHz; Turbo@ 4.3GHz; 4 Core 8 Thread; 6MB Intel Smartcache; 65 W TDP; LGA 1200; NO VGA (No Fan included)



Specifications

Specifications:

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Specifications	
Product Code	CM8070104291318
Essentials	
Product Collection	10th Generation Intel Core i3 Processors
Code Name	Products formerly Comet Lake
Vertical Segment	Desktop
Processor Number	i3-10100F
Lithography	14 nm
Use Conditions	PC/Client/Tablet
CPU Specifications	
Total Cores	4
Total Threads	8
Max Turbo Frequency	4.30 GHz
Intel Turbo Boost Technology 2.0 Frequency	4.30 GHz
Processor Base Frequency	3.60 GHz

Cache	6 MB Intel Smart Cache
Bus Speed	8 GT/s
TDP	65 W
Supplemental Information	
Embedded Options Available	No
Memory Specifications	
Max Memory Size (dependent on memory type)	128 GB
Memory Types	DDR4-2666
Max # of Memory Channels	2
Max Memory Bandwidth	41.6 GB/s
ECC Memory Supported	No
Expansion Options	
Scalability	1S Only
PCI Express Revision	3
PCI Express Configurations	Up to 1x16, 2x8, 1x8 2x4
Max # of PCI Express Lanes	16
Package Specifications	
Sockets Supported	FCLGA1200
Max CPU Configuration	1
Thermal Solution Specification	PCG 2015C
TJUNCTION	100 degreesC
Package Size	37.5mm x 37.5mm
Advanced Technologies	
Intel Optane Memory Supported	Yes
Intel Thermal Velocity Boost	No
Intel Turbo Boost Max Technology 3.0	No
Intel Turbo Boost Technology	2
Intel Hyper-Threading Technology	Yes
Intel Transactional Synchronization Extensions	No
Intel 64	Yes
Instruction Set	64-bit
Instruction Set Extensions	Intel SSE4.1, Intel SSE4.2, Intel AVX2
Idle States	Yes
Enhanced Intel SpeedStep Technology	Yes

Thermal Monitoring Technologies	Yes
Intel Identity Protection Technology	Yes
Security & Reliability	
Intel vPro Platform Eligibility	No
Intel AES New Instructions	Yes
Secure Key	Yes
Intel Software Guard Extensions (Intel SGX)	Yes with Intel ME
Intel OS Guard	Yes
Intel Trusted Execution Technology	No
Execute Disable Bit	Yes
Intel Boot Guard	Yes
Intel Stable IT Platform Program (SIPP)	No
Intel Virtualization Technology (VT-x)	Yes
Intel Virtualization Technology for Directed I/O (VT-d)	Yes
Intel VT-x with Extended Page Tables (EPT)	Yes

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/CM8070104291318-Intel-Core-I3-10100F-3-6-GHz-4-Core-8-Thread-LGA-1200-Processor-p-266107.php

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