ComX Computers
Product Specification Sheet

CP-iM10300

Intel Core i3-10300 3.7Ghz 4 cores+Hyper-Threading / 8 threads coMet lake LGA 1200 Processor

Product Overview

Intel coMet lake LGA 1200 Core i3-10300 - 4 cores+Hyper-Threading / 8 threads, 3.7Ghz box CPU / 4.4Ghz turbo boost, 14nm, SSE4, AVX2, BMi, FMA3, SBA, vPro, TSX, VT-x + VT-d + AES-N, built-in dual channel DDR4-2666 (non-ECC only) memory controller, 41.6Gb/sec memory bandwidth, built-in UHD630 graphics (24EU, 350/1150mhz, dual stream video decode + HDMi), 1mb L2 cache + 8mb L3 cache, 65w - Quick Sync Video + InTru 3D + Insider + Clear Video HD + Triple Display Capable + wireless display Capable - box CPU with fan



Specifications

Specifications:

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Specifications	
Product Code	CP-iM10300
Essentials	
Vertical Segment	Desktop
Processor Number	i3-10300
Use Conditions	PC/Client/Tablet
Product Collection	10th Generation Intel Core i3 Processors
Lithography	14 nm
Performance	
# of Cores	4
Processor Base Frequency	3.70 GHz
Cache	8 MB Intel Smart Cache
TDP	65 W

# of Threads	8
Max Turbo Frequency	4.40 GHz
Bus Speed	8 GT/s
Supplemental Information	
Embedded Options Available	No
Memory Specifications	
Max Memory Size (dependent on memory type)	128 GB
Max # of Memory Channels	2
ECC Memory Supported	No
Memory Types	DDR4-2666
Max Memory Bandwidth	41.6 GB/s
Processor Graphics	Intel UHD Graphics 630
Graphics Max Dynamic Frequency	1.15 GHz
4K Support	Yes, at 60Hz
Max Resolution (DP)	4096x2304@60Hz
DirectX* Support	12
Intel Quick Sync Video	Yes
Intel Clear Video HD Technology	Yes
# of Displays Supported	3
Graphics Base Frequency	350 MHz
Graphics Video Max Memory	64 GB
Max Resolution (HDMI 1.4)	4096x2160@30Hz
Max Resolution (eDP - Integrated Flat Panel)	4096x2304@60Hz
OpenGL* Support	4.5
Intel InTru 3D Technology	Yes
Intel Clear Video Technology	Yes
Device ID	0x9BC8
Expansion Options	
Scalability	1S Only
PCI Express Configurations	Up to 1x16, 2x8, 1x8+2x4
PCI Express Revision	3
Max # of PCI Express Lanes	16
Package Specifications	
Sockets Supported	FCLGA1200
Thermal Solution Specification	PCG 2015C

Package Size	37.5mm x 37.5mm
Max CPU Configuration	1
TJUNCTION	100 degreesC
Advanced Technologies	
Intel Thermal Velocity Boost	No
Intel Turbo Boost Max Technology 3.0	No
Intel vPro Platform Eligibility	No
Intel Virtualization Technology (VT-x)	Yes
Intel VT-x with Extended Page Tables (EPT)	Yes
Intel 64	Yes
Instruction Set Extensions	Intel SSE4.1, Intel SSE4.2, Intel AVX2
Enhanced Intel SpeedStep Technology	Yes
Intel Identity Protection Technology	Yes
Intel Optane Memory Supported	Yes
Intel Turbo Boost Technology	2
Intel Hyper-Threading Technology	Yes
Intel Virtualization Technology for Directed I/O (VT-d)	Yes
Intel Transactional Synchronization Extensions	No
Instruction Set	64-bit
Idle States	Yes
Thermal Monitoring Technologies	Yes
Intel Stable Image Platform Program (SIPP)	No
Security & Reliability	
Intel AES New Instructions	Yes
Intel Software Guard Extensions (Intel SGX)	Yes with Intel ME
Intel Trusted Execution Technology	No
Intel Boot Guard	Yes
Secure Key	Yes
Intel OS Guard	Yes
Execute Disable Bit	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/CP-iM10300-Intel-Core-i3-10300-3-7Ghz-4-cores-Hyper-Threading-8-threads-coMet-lake-p-243018.php

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