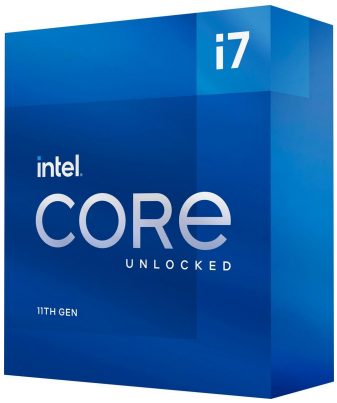
ComX Computers
Product Specification Sheet

BX8070811700F

Intel 11th Gen Rocket Lake Intel Core Octa (8) LGA 1200 Core i7-11700F 2.5 GHz Processor

Product Overview

Intel BX8070811700F 11th Gen Rocket Lake Intel Core Octa (8) LGA 1200 Core i7-11700F 2.5 GHz with turbo boost up to 4.9GHz 16MB Cache Processor, 8 Core, 16 Thread, 16MB smartcache, 65W TDP, LGA 1200, No fan included, 14 nm lithography, No integrated Graphics



Specifications

Specifications:

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Specifications	
Product Code	BX8070811700F
Essentials	
Product Collection	11th Generation Intel Core i7 Processors
Code Name	Products formerly Rocket Lake
Vertical Segment	Desktop
Processor Number	i7-11700F
Status	Launched
Launch Date	Q1'21
Lithography	14 nm
Use Conditions	PC/Client/Tablet
CPU Specifications	
# of Cores	8
# of Threads	16
Processor Base Frequency	2.50 GHz

Max Turbo Frequency	4.90 GHz
Cache	16 MB Intel Smart Cache
Bus Speed	8 GT/s
Intel Turbo Boost Max Technology 3.0 Frequency	4.90 GHz
Intel Turbo Boost Technology 2.0 Frequency	4.80 GHz
TDP	65 W
Memory Specifications	
Max Memory Size (dependent on memory type)	128 GB
Memory Types	DDR4-3200
Max # of Memory Channels	2
Max Memory Bandwidth	50 GB/s
ECC Memory Supported	No
Expansion Options	
Scalability	1S Only
PCI Express Revision	4
PCI Express Configurations	Up to 1x16+1x4, 2x8+1x4, 1x8+3x4
Max # of PCI Express Lanes	20
Package Specifications	
Sockets Supported	FCLGA1200
Max CPU Configuration	1
Thermal Solution Specification	PCG 2019C
TJUNCTION	100 degreesC
Package Size	37.5 mm x 37.5 mm
Advanced Technologies	
Intel Deep Learning Boost (Intel DL Boost)	Yes
Intel Optane Memory Supported	Yes
Intel Thermal Velocity Boost	No
Intel Turbo Boost Max Technology 3.0	Yes
Intel Turbo Boost Technology	2
Intel vPro Platform Eligibility	No
Intel Hyper-Threading Technology	Yes
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
Intel 64	Yes
Instruction Set	64-bit
Instruction Set Extensions	Intel SSE4.1, Intel SSE4.2, Intel AVX2, Intel AVX-512
Idle States	Yes
Enhanced Intel SpeedStep Technology	Yes
Thermal Monitoring Technologies	Yes
Intel Identity Protection Technology	Yes
Intel Stable Image Platform Program (SIPP)	No
Intel Gaussian and Neural Accelerator 2.0	Yes
Security & Reliability	
Intel AES New Instructions	Yes
Secure Key	Yes
Intel Software Guard Extensions (Intel SGX)	No
Intel OS Guard	Yes
Intel Trusted Execution Technology	No
Execute Disable Bit	Yes
Intel Boot Guard	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/BX8070811700F-Intel-11th-Gen-Rocket-Lake-Intel-Core-Octa-8-LGA-1200-Core-i7-11700F-p-255180.php

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