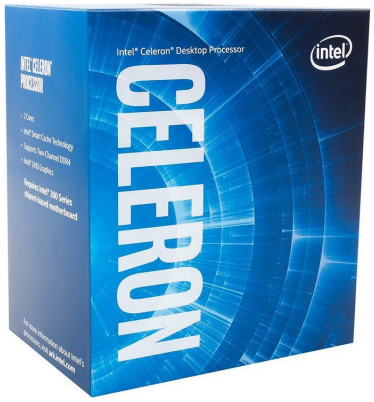
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Product Specification Sheet

BX80701G5900

Intel Celeron G5900 3.4GHz 2 Core 2 Thread LGA 1200 Processor

Product Overview

Intel Celeron G5900 - 3.4GHz, 2 Core, 2 Thread, 2MB Smartcache, 58W TDP. Features: 128GB Max RAM, 16 PCIe Lanes, Optane Supported, 4K Support, Virtualization Support



Specifications

Specifications:

Essentials	
Product Collection	Intel Celeron Processor G Series
Code Name	Products formerly Comet Lake
Vertical Segment	Desktop
Processor Number	G5900
Lithography	14 nm
Use Conditions	PC/Client/Tablet
Performance	
# of Cores	2
# of Threads	2
Processor Base Frequency	3.40 GHz
Cache	2 MB Intel Smart Cache
Bus Speed	8 GT/s
TDP	58 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
Processor Graphics	
Processor Graphics	Intel UHD Graphics 610
Graphics Base Frequency	350 MHz
Graphics Max Dynamic Frequency	1.05 GHz
Graphics Video Max Memory	64 GB
4K Support	Yes, at 60Hz
Max Resolution (HDMI 1.4)	4096x2160@30Hz
Max Resolution (DP)	4096x2304@60Hz
Max Resolution (eDP - Integrated Flat Panel)	4096x2304@60Hz
DirectX* Support	12
OpenGL* Support	4.5
Intel Quick Sync Video	Yes
Intel InTru 3D Technology	Yes
Intel Clear Video HD Technology	Yes
Intel Clear Video Technology	Yes
# of Displays Supported	3
Device ID	0x9BA8
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	No
Intel vPro Platform Eligibility	No
Intel Hyper-Threading Technology	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
Intel Transactional Synchronization Extensions	No
Intel 64	Yes
Instruction Set	64-bit
Instruction Set Extensions	Intel SSE4.1, Intel SSE4.2
Idle States	Yes
Enhanced Intel SpeedStep Technology	Yes
Thermal Monitoring Technologies	Yes
Intel Identity Protection Technology	Yes
Intel Stable Image Platform Program (SIPP)	No
Security & Reliability	
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

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/BX80701G5900-Intel-Celeron-G5900-3-4GHz-2-Core-2-Thread-LGA-1200-Processor-p-243201.php

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