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Understanding [Embedded - Microprocessors](#)

Embedded microprocessors are specialized computing chips designed to perform specific tasks within an embedded system. Unlike general-purpose microprocessors found in personal computers, embedded microprocessors are tailored for dedicated functions within larger systems, offering optimized performance, efficiency, and reliability. These microprocessors are integral to the operation of countless electronic devices, providing the computational power necessary for controlling processes, handling data, and managing communications.

Applications of [Embedded - Microprocessors](#)

Embedded microprocessors are utilized across a broad spectrum of applications, making them indispensable in

Details

Product Status	Discontinued at Digi-Key
Core Processor	Celeron G3900
Number of Cores/Bus Width	2 Core, 64-Bit
Speed	2.8GHz
Co-Processors/DSP	-
RAM Controllers	DDR3L, DDR4
Graphics Acceleration	Yes
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1151-LGA Module
Supplier Device Package	1151-LGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpcls-2-8-2m11t

96MPCLS-2.8-2M11T



Intel® Celeron G3900 (2M Cache, 2.80 GHz)



Features:

- Intel Celeron G3900 Processor
- 2 Cores
- 2MB smart cache
- Clock Speed 2.8 GHz
- FCLGA1151 Socket Type
- Max TDP 51W
- Intel® HD Graphics 510



Specifications

Advantech PN	96MPCLS-2.8-2M11T
Intel Ordering Code	CM8066201928610
Intel Launch Date	Q4 / 2015
Code Name	Skylake
SPEC Code	SR2HV
Processor Number	G3900
# of Cores	2
# of Threads	2
Cache	2MB
Clock Speed	2.8GHz
FSB (Front Side Bus)	N/A
Tech. in Nanometer	14nm
Max TDP	51W
Direct Media Interface	8GT/s
Socket Type	LGA1151

Max Memory Size	64GB
Tcase	N/A
Memory Type	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V
Intel® Graphic Processor	Intel® HD Graphics 510
Graphic Base Frequency	350MHz
PCI-E Revision	3
PCI-E Configuration	Up to 1x16, 2x8, 1x8+2x4
Max # of PCI-E Lanes	16
64-bits Support	Yes
Package	Tray
Embedded Channel	Yes
RoHs	Yes
Compatible Chipset	H170, H110, Z170, Q170, Q150, B150

Compatible Motherboard

Model Number	Description
Learn more on PAPS Website	

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All product specification and compatible chipset are subject to change without notice.

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