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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 G1820TE
Number of Cores/Bus Width	2 Core, 64-Bit
Speed	2.2GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	-
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1150-LGA Module
Supplier Device Package	1150-FCLGA
Purchase URL	<a href="https://www.e-xfl.com/product-detail/advantech/96mpcl-2-2-3m10t">https://www.e-xfl.com/product-detail/advantech/96mpcl-2-2-3m10t</a>

# 96MPCL-2.2-3M10T



Intel® Core™ G1820TE Processor (2M Cache, 2.20 GHz)



## Features:

- Intel Celeron G1820TE Processor
- 2 Cores
- 2MB smart cache
- Clock Speed 2.2 GHz
- FCLGA1150 Socket Type
- 35W



## Specifications

Advantech PN	96MPCL-2.2-3M10T
Intel Ordering Code	CM8064601618705
Intel Launch Date	Q1 / 2014
Code Name	Haswell
SPEC Code	SR1T6
Processor Number	G1820TE
# of Cores	2
# of Threads	2
Cache	2MB
Clock Speed	2.2GHz
FSB (Front Side Bus)	N/A
Tech. in Nanometer	22nm
Max Design Power	35W
Direct Media Interface	N/A

Socket Type	FCLGA1150
Max Memory Size	32GB
Tcase	N/A
Memory Type	DDR3-1333
Intel® Graphic Processor	YES
Graphic Base Frequency	200MHz
PCI-E Revision	Up to 3.0
PCI-E Configuration	1x16 or 2x8 or 1x8 2x4
Max # of PCI-E Lanes	16
64-bits Support	YES
Package	Tray
Embedded Channel	YES
RoHs	YES
Compatible Chipset	N/A

## Compatible Motherboard

Model Number	Description
N/A	

[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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