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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	i76700
Number of Cores/Bus Width	4 Core, 64-Bit
Speed	3.4GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	Yes
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1155-LGA Module
Supplier Device Package	1155-LGA (37.5x37.5)
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpi7s-3-4-8m11t



96MPI7S-3.4-8M11T

Intel® Core™ i7-6700 Processor (8M Cache, up to 4.00 GHz)



Features:

- Intel I7-6700 Processor
- 4 Cores
- 8M cache
- FCLGA 1151 Socket Type
- Intel HD Graphics 530 support
- Tech in nm: 14NM
- Max Design Power 65W
- Support DDR3L-1333/1600
DDR4-1866/2133



Specifications

Advantech PN	96MPI7-3.4-8M11T
Intel Ordering Code	CM8066201920103
Intel Launch Date	Q3 / 2015
Code Name	Skylake
SPEC Code	SR2L2
Processor Number	i7-6700
# of Cores	4
# of Threads	8
Cache	8MB
Clock Speed	4 GHz
FSB (Front Side Bus)	N/A
Tech. in Nanometer	14nm
Max Design Power	65W

Direct Media Interface	8 GT/s
Socket Type	FCLGA1151
Max Memory Size	64GB
Tcase	N/A
Memory Type	DDR4-1866/2133; DDR3L-1333/1600 @1.35V
Intel® Graphic Processor	HD Graphics 530
Graphic Base Frequency	350MHz
64-bits Support	YES
Package	Box/ Tray
Embedded Channel	N/A
RoHs	YES
Compatible Chipset	H170, H110, Z170, Q170, Q150, B150

Compatible Motherboard

Model Number	Description
	N/A

[Learn more on PAPS Website](#)

ADVANTECH Peripheral Allied Procurement Services - Global Sourcing Local Supports -

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

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