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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	i7-4770TE
Number of Cores/Bus Width	4 Core, 64-Bit
Speed	2.3GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	Yes
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1150-LGA Module
Supplier Device Package	1150-LGA
Purchase URL	<a href="https://www.e-xfl.com/product-detail/advantech/96mpi7-2-3-8m10t">https://www.e-xfl.com/product-detail/advantech/96mpi7-2-3-8m10t</a>

# 96MPI7-2.3-8M10T



Intel® Core™ i7-4770TE Processor (8M Cache, up to 3.30 GHz)



## Features:

- Intel i7-4770TE Processor
- 4 Cores
- 8M smart cache
- LGA1150 Socket Type
- Intel HD Graphics 4600 support
- 22NM
- 45W



## Specifications

Advantech PN	96MPI7-2.3-8M10T
Intel Ordering Code	CM8064601538900
Intel Launch Date	Q2 / 2013
Code Name	Haswell
SPEC Code	SR183
Processor Number	i7-4770TE
# of Cores	4
# of Threads	8
Cache	8MB
Clock Speed	2.3GHz
FSB (Front Side Bus)	N/A
Tech. in Nanometer	22nm
Max Design Power	45W

Direct Media Interface	5 GT/s
Socket Type	LGA1150
Max Memory Size	32GB
Tcase	N/A
Memory Type	DDR3-1333/1600
Intel® Graphic Processor	HD Graphic 4600
Graphic Base Frequency	350MHz
64-bits Support	YES
Package	Tray
Embedded Channel	YES
RoHs	YES
Compatible Chipset	N/A

## Compatible Motherboard

Model Number	Description
AIMB-784 Series	Intel® 4th Generation Core Processor-based platform

[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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