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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	i5-6500TE
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	Module
Supplier Device Package	-
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpi5s-2-3-6m11t1



96MPI5S-2.3-6M11T1

Intel® Core™ i5-6500TE Processor (6M Cache, up to 3.30 GHz)



Features:

- Intel I5-6500TE Processor
- 4 Cores
- 6M cache
- Up to 3.30 GHz
- Intel HD Graphics 530 support
- 14NM
- 35W



Specifications

Advantech PN	96MPI5-2.3-6M11T1
Intel Ordering Code	CM8066201938000
Intel Launch Date	Q4 / 2015
Code Name	Skylake
SPEC Code	SR2LR
Processor Number	i5-6500TE
# of Cores	4
# of Threads	4
Cache	6MB
Clock Speed	2.3GHz
FSB (Front Side Bus)	N/A
Tech. in Nanometer	14nm
Max Design Power	35W

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