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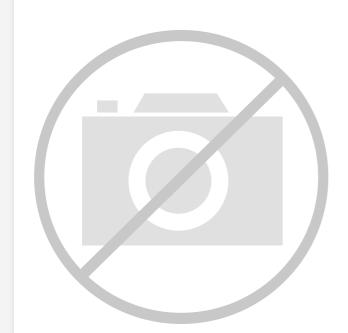
Understanding Embedded - Microprocessors

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
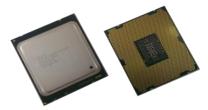
Details

Product Status	Discontinued at Digi-Key
Core Processor	i5-6500
Number of Cores/Bus Width	4 Core, 64-Bit
Speed	3.2GHz
Co-Processors/DSP	-
RAM Controllers	-
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-FCLGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpi5s-3-2-6m11t

96MPI5S-3.2-6M11T

Intel® Core™ i5-6500 Processor (6M Cache, up to 3.60 GHz)

Features:

- Intel I5-6500 Processor
- 4 Cores
- 6M cache
- Up to 3.60 GHz
- Intel HD Graphics 530 support
- 14NM
- 65W

RoHS COMPLIANT

Specifications

Advantech PN	96MPI5-3.2-6M11T	Direct Media Interface	8GT/s
Intel Ordering Code	CM8066201920404	Socket Type	FCLGA1151
Intel Launch Date	Q3 / 2015	Max Memory Size	34.1GB
Code Name	Skylake	Tcase	N/A
SPEC Code	SR2L6	Memory Type	DDR4-1866/2133; DDR3L-1333/1600 @1.35V
Processor Number	i5-6500		
# of Cores	4	Graphic Processor	Graphics 530
# of Threads	4	Graphic Base Frequency	350MHz
Cache	6MB	64-bits Support	YES
Clock Speed	3.6GHz	Package	Tray
FSB (Front Side Bus)	N/A	Embedded Channel	N/A
Tech. in Nanometer	14nm	RoHs	YES
Max Design Power	65W	Compatible Chipset	H110, H170 Z170, B150

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.