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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	Xeon E3-1275 v3
Number of Cores/Bus Width	4 Core, 64-Bit
Speed	3.5GHz
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	1151-FCLGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpxe-3-5-8m10t

96MPXE-3.5-8M10T



Intel® Xeon® Processor E3-1275 v3 (8M Cache, up to 3.50 GHz)



Features:

- Intel Xeon E3-1275 v3 Processor
- 4 Cores
- 8MB cache
- FCLGA1150 Socket Type
- 22NM
- 84W
- Support DDR3-1333/1600



Specifications

Advantech PN	96MPXE-3.5-8M10T
Intel Ordering Code	CM8064601466508
Intel Launch Date	Q2 / 2013
Code Name	Haswell
SPEC Code	SR14S
Processor Number	E3-1275 v3
# of Cores	4
# of Threads	8
Cache	8MB
Clock Speed	3.5GHz
FSB (Front Side Bus)	N/A
Tech. in Nanometer	22nm
Max Design Power	84W

Direct Media Interface	N/A
Socket Type	FCLGA1150
Max Memory Size	32GB
Tcase	N/A
Memory Type	DDR3-1333/1600
Intel® Graphic Processor	YES
Graphic Base Frequency	350MHz
64-bits Support	YES
Package	Tray
Embedded Channel	YES
RoHs	YES
Compatible Chipset	C224

Compatible Motherboard

Model Number	Description
AIMB-584 Series	Intel® Xeon® E3/ Core™ i7/i5/i3 LGA1150 MicroATX with CRT/DVI/eDP/LVDS/DP, 6 COM, Dual LAN, DDR3 and SATAIII
ASMB-584 Series	LGA 1150 Intel® Xeon® E3 V3 Micro ATX Server Board with 2 PCIe x16 slots (x8 link), 1 PCIe x4, 1 PCI, USB 3.0, PCIe Gen III, Dual LANs

[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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