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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 E5-2620 v3
Number of Cores/Bus Width	6 Core, 64-Bit
Speed	2.4GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	-
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	2011-LGA, FC
Supplier Device Package	2011-LGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpxe-2-4-15m20t

96MPXE-2.4-15M20T



Intel® Xeon® Processor E5-2620 v3 (15M Cache, 2.40 GHz)



Features:

- Intel Xeon E5-2620 v3 Processor
- 6 Cores
- 15MB Cache
- Clock Speed 2.4GHz
- QPI Speed 8GT/s
- FCLGA2011-3 Socket Type
- Tech in 22NM
- Max TDP 85W
- Support DDR4-1600/1866



Specifications

Advantech PN	96MPXE-2.4-15M20T
Intel Ordering Code	CM8064401831400
Intel Launch Date	Q3 / 2014
Code Name	Haswell
SPEC Code	SR207
Processor Number	E5-2620V3
# of Cores	6
# of Threads	12
Cache	15MB
Clock Speed	2.4GHz
QPI Speed	8GT/s
Tech. in Nanometer	22nm
Max TDP	85W

Direct Media Interface	N/A
Socket Type	FCLGA2011-3
Max Memory Size	768GB
Tcase	72.6C
Memory Type	DDR4-1600/1866
Intel® Graphic Processor	NO
Graphic Base Frequency	N/A
64-bits Support	YES
Package	Tray
Embedded Channel	YES
RoHs	YES
Compatible Chipset	C610

Compatible Motherboard

Model Number	Description
ASMB-823I	Dual LGA 2011-R3 Intel® Xeon® E5-2600 v3 ATX Server Board with DDR4, 4 PCIe x16, 6 USB 3.0, SATA3, Dual LAN, IPMI 2.0
ASMB-923I	Dual LGA 2011-R3 Intel Xeon® E5-2600v3 EATX Server Board with DDR4, 4 PCIe x16+2 PCIe x8(Gen 3.0), 4 USB 3.0

[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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