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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 E5-2680 v3
Number of Cores/Bus Width	12 Core, 64-Bit
Speed	2.5GHz
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	<a href="https://www.e-xfl.com/product-detail/advantech/96mpxe-2-5-30m20t">https://www.e-xfl.com/product-detail/advantech/96mpxe-2-5-30m20t</a>

# 96MPXE-2.5-30M20T



Intel® Xeon® Processor E5-2680 v3 (30M Cache, 2.50 GHz)



## Features:

- Intel Xeon E5-2680 v3 Processor
- 12 Cores
- 30MB Cache
- Clock Speed 2.5GHz
- QPI Speed 9.6GT/s
- FCLGA2011-3 Socket Type
- Tech in 22NM
- Max TDP 120W
- Support DDR4-1600/1866/2133



## Specifications

Advantech PN	96MPXE-2.5-30M20T
Intel Ordering Code	CM8064401439612
Intel Launch Date	Q3 / 2014
Code Name	Haswell
SPEC Code	SR1XP
Processor Number	E5-2680V3
# of Cores	12
# of Threads	24
Cache	30MB
Clock Speed	2.5GHz
QPI Speed	8GT/s
Tech. in Nanometer	22nm
Max TDP	120W

Direct Media Interface	N/A
Socket Type	FCLGA2011-3
Max Memory Size	768GB
Tcase	84.5C
Memory Type	DDR4-1600/1866/2133
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
<b>ASMB-8231</b>	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

[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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