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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 E5-2648L v2
Number of Cores/Bus Width	10 Core, 64-Bit
Speed	1.9GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	-
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	2011-LGA Module
Supplier Device Package	2011-LGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpxe-1-9-25m20t

96MPXE-1.9-25M20T



Intel® Xeon® Processor E5-2648L v2 (25M Cache, 1.90 GHz)



Features:

- Intel Xeon E5-2648L v2 Processor
- 10 Cores
- 25MB Cache
- Clock Speed 1.9GHz
- QPI Speed 8.0GT/s
- FCLGA2011 Socket Type
- Tech in 22NM
- Max TDP 70W
- Support DDR3-800/1066/1333/1600



Specifications

Advantech PN	96MPXE-1.9-25M20T
Intel Ordering Code	CM8063501293506
Intel Launch Date	Q3 / 2013
Code Name	Ivy Bridge-EP
SPEC Code	SR1A2
Processor Number	E5-2648L v2
# of Cores	10
# of Threads	20
Cache	25MB
Clock Speed	1.9GHz
QPI Speed	8GT/s
Tech. in Nanometer	22nm
Max TDP	70W

Direct Media Interface	N/A
Socket Type	FCLGA2011
Max Memory Size	768GB
Tcase	92C
Memory Type	DDR3-800/1066/1333/1600/1866
Intel® Graphic Processor	NO
Graphic Base Frequency	N/A
64-bits Support	YES
Package	Tray
Embedded Channel	YES
RoHs	YES
Compatible Chipset	8900CC, 8903CC, 8910CC, 8920CC, 8925, 8926, 8950, 8955

Compatible Motherboard

Model Number	Description
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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