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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 E3-1225 v5
Number of Cores/Bus Width	4 Core, 64-Bit
Speed	3.3GHz
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 (37.5x37.5)
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpxes-3-3-8m11t

96MPXES-3.3-8M11T

Intel® Xeon® Processor E3-1225 v5 (8M Cache, 3.30 GHz)

Features:
- Intel Xeon E3-1225 v5 Processor
- 4 Cores
- 8MB Cache
- Clock Speed 3.3GHz
- FCLGA1151 Socket Type
- Tech in 14NM
- Max TDP 80W
- Support DDR4-1866/2133, DDR3L-1333/1 @ 1.35V

Specifications

Advantech PN	96MPXES-3.3-8M11T	Direct Media Interface	8GT/s
Intel Ordering Code	CM8066201922605	Socket Type	FCLGA1151
Intel Launch Date	Q4 / 2015	Max Memory Size	64GB
Code Name	Skylake	Tcase	N/A
SPEC Code	SR2LJ	Memory Type	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V
Processor Number	E3-1225 v5		
# of Cores	4	Intel® Graphic Processor	HD Graphics P530
# of Threads	4	Graphic Base Frequency	350 MHz
Cache	8MB	64-bits Support	YES
Clock Speed	3.3GHz	Package	Tray
QPI Speed	N/A	Embedded Channel	YES
Tech. in Nanometer	14nm	RoHs	YES
Max TDP	80W	Compatible Chipset	Q87, C226, H81

Compatible Motherboard

Model Number	Description
	Learn more on PAPS Website