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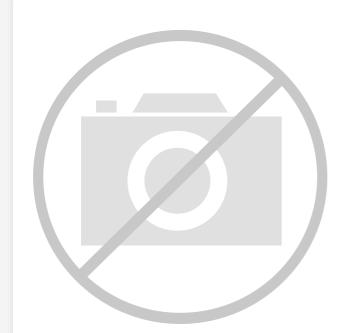
Understanding Embedded - Microprocessors

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	Obsolete
Core Processor	Celeron 440
Number of Cores/Bus Width	1 Core, 64-Bit
Speed	2.0GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	-
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	-
Supplier Device Package	775-LGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpc4-2-0f8-5k7t

96MPC4-2.0F8-5K7T1

Spec

Product	96MPC4-2.0F8-5K7T1
Product Description	INTEL Celeron 440 2.0G 800F 512KB 775Pin
Manufacturer Part Number	BV80557RG041512 (SL9XL)
Manufacturer	INTEL
Processor Number	440
Code Name	Conroe
Compatible Chipsets	3000, 3010, 3210, 945G, 945GC, 945GZ, 945P, 945PL, 946GZ, 946PL, G31, G33, G35, G41, G43, G45, G965, P31, P35, P43, P45, P965, Q33, Q35, Q43, Q45, Q963, Q965
Socket Type	LGA775
Clock Speed	2.0GHz
FSB	800MHZ
L2 Cache	512KB
Graphic Processor	N/A
Manufacturing Technology	65NM
sSpec	SL9XL
Thermal Design Power	35W
Thermal Specification	60.4C
MultiCore	N/A
64 bit Support	Yes
Package	Tray
RoHS Status	Yes
Embedded	Yes
Launch Date	Q3 / 2006

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All product specifications are subject to change without notice.   Last Updated:28July2015