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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	Xeon L5410
Number of Cores/Bus Width	12 Core, 32-Bit
Speed	2.33GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	No
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	771-LGA Module
Supplier Device Package	771-FCLGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpxe-2-3fb-12m7t

Intel® Xeon® Processor L5410

Processor Specifications:	
sSpec Number: SLBBS	Package Type: 771 pin
CPU Speed: 2.33 GHz	Manufacturing Technology: 45 nm
PCG:	Core Stepping: E0
Bus Speed: 1333 MHz	CPUID String: 1067Ah
Bus/Core Ratio: 7.0	Thermal Design Power: 50W
L2 Cache Size: 12 MB	Thermal Specification: 57°C
L2 Cache Speed: 2.33 GHz	VID Voltage Range: 1.212V
Product Documentation: http://support.intel.com/support/processors/sb/CS-028967.htm	

Product Order Codes:	
Box Order Code: BX80574L5410A BX80574L5410P	OEM Order Code: AT80574JJ053N

Supported Features:
<ul style="list-style-type: none">• Quad Core• Enhanced Intel Speedstep® Technology• Intel® EM64T ¹• Intel® Virtualization Technology• Demand Based Switching• Execute Disable Bit ²

Notes:

Legal Disclaimers:
<p>1 Intel® EM64T requires a computer system with a processor, chipset, BIOS, operating system, device drivers and applications enabled for Intel EM64T. Processor will not operate (including 32-bit operation) without an Intel EM64T-enabled BIOS. Performance will vary depending on your hardware and software configurations. See http://www.intel.com/info/em64t for more information including details on which processors support Intel® EM64T or consult with your system vendor for more information.</p> <p>2 Enabling Execute Disable Bit functionality requires a PC with a processor with Execute Disable Bit capability and a supporting operating system. Check with your PC manufacturer on whether your system delivers Execute Disable Bit functionality.</p>