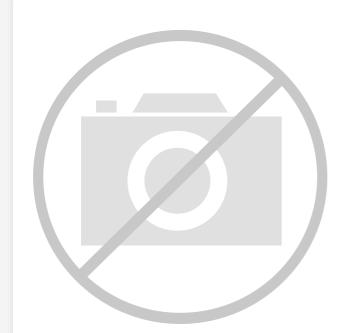**Welcome to [E-XFL.COM](#)**

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 X3450
Number of Cores/Bus Width	4 Core, 64-Bit
Speed	2.66GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	-
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1156-LGA Module
Supplier Device Package	1156-LGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpxe-2-66-8m11t

Intel® Xeon® Processor X3450

Processor Specifications:

sSpec Number:	SLBLD	Package Type:	LGA1156
CPU Speed:	2.66 GHz	Manufacturing Technology:	45 nm
PCG:		Core Stepping:	B1
Bus Speed:	2.5 GT/s	CPUID String:	106E5h
Bus/Core Ratio:	20	Thermal Design Power:	95W
L3 Cache Size:	8 MB	Thermal Specification:	
L3 Cache Speed:	2.66 GHz	VID Voltage Range:	0.70V-1.400V

Product Documentation:

http://support.intel.com/support/processors/sb/CS-028967.htm

Product Order Codes:

Box Order Code: BX80605X3450   **OEM Order Code:** BV80605001911AQ

Supported Features:

- Quad Core
- Enhanced Intel Speedstep® Technology
- Hyper-Threading Technology [1]
- Intel® EM64T [2]
- Intel® Virtualization Technology
- Demand Based Switching
- Enhanced Halt State (C1E)
- Execute Disable Bit [3]