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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	i3-540
Number of Cores/Bus Width	2 Core, 64-Bit
Speed	3.06GHz
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/96mpi3-3-06-4m11t

Intel® Core™ i3 Desktop Processor I3-540

Processor Specifications:

sSpec Number: SLBMQ
CPU Speed: 3.06 GHz
PCG: 09A
Bus Speed:
Bus/Core Ratio: 23
L3 Cache Size: 4 MB
L3 Cache Speed:

Package Type: LGA1156
Manufacturing Technology: 32 nm
Core Stepping: C2
CUID String: 20652h
Thermal Design Power: 73W
Thermal Specification: 72.6°C
VID Voltage Range: .65V-1.400V

Product Documentation:

Product Order Codes:

Box Order Code: BXC80616I3540
BX80616I3540

OEM Order Code: CM80616003060AE

Supported Features:

- Dual Core
- Enhanced Intel Speedstep® Technology
- Hyper-Threading Technology ¹
- Intel® EM64T ²
- Intel® Virtualization Technology
- Enhanced Halt State (C1E)
- Execute Disable Bit ³

Notes:

This part supports Intel® HD Graphics.

The integrated graphics frequency is 733 MHz.

This part supports DDR3 memory speeds up to 1333 MHz

Intel SSE4.1 and SSE4.2 enabled.