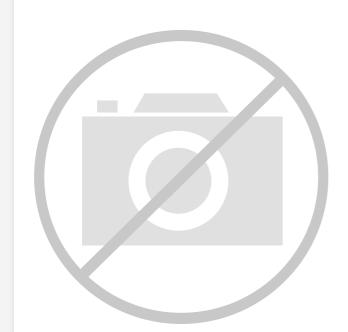
# E·XFL



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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	Core2 DUO Mobile T9400
Number of Cores/Bus Width	2 Core, 64-Bit
Speed	2.53GHz
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	-
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mp2dm-25fa-6m4t

Email: info@E-XFL.COM

Address: Room A, 16/F, Full Win Commercial Centre, 573 Nathan Road, Mongkok, Hong Kong

## Intel® Core<sup>™</sup>2 Duo Mobile Processor T9400

**Processor Specifications:** 

sSpec Number: SLGE5 CPU Speed: 2.53 GHz PCG: Bus Speed: 1066 MHz Bus/Core Ratio: 9 L2 Cache Size: 6 MB L2 Cache Speed: 2.53 GHz Package Type: Micro-FCPGA Manufacturing Technology: 45 nm Core Stepping: E0 CPUID String: 10676h Thermal Design Power: 35W Thermal Specification: 105°C VID Voltage Range: 1.050V-1.212V

## Product Order Codes:

Box Order Code: BX80576T9400

OEM Order Code: AW80576GH0616M AW80576GH0616MG

## Supported Features:

- Dual Core
- Enhanced Intel Speedstep® Technology
- Intel® EM64T<sup>1</sup>
- Intel® Virtualization Technology
- Execute Disable Bit<sup>2</sup>

## Notes:

## Legal Disclaimers:

1 Intel<sup>®</sup> 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 <a href="http://www.intel.com/info/em64t">http://www.intel.com/info/em64t</a> for more information including details on which processors support Intel<sup>®</sup> EM64T or consult with your system vendor for more information.

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.