



MPLAB C Compiler for PIC24 MCUs

Part Number: SW006014

The MPLAB® C Compiler for PIC24 MCUs is a full-featured ANSI compliant C compiler for the Microchip PIC24 family of 16-bit devices. MPLAB C is fully compatible with Microchip's MPLAB Integrated Development Environment (IDE), allowing source level debugging with the MPLAB REAL ICE™ Emulator, MPLAB ICD 2 In-Circuit Debugger and MPLAB SIM Simulator.

Features

- ANSI compliant with standard, math, memory, data conversion and math libraries
- Generates relocatable object modules for enhanced code reuse
- Optimized to generate as much as 30% less code than other 16-bit MCU compilers
- Strong support for in-line assembly when total control is absolutely necessary
- Peripheral library for quick coding using Microchip device peripherals
- Allows code and data to be located at absolute addresses
- Supports advanced code size optimizations
- Free unrestricted Student Edition of the C compiler