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MPLAB® C Compiler for dsPIC DSCs   No Longer Available

Part Number: SW006013

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Microchip highly recommends the MPLAB XC16 PRO Compiler (SW006022-2) for new designs.

The MPLAB® C Compiler for dsPIC DSCs is a full-featured ANSI compliant C compiler for the Microchip 16-bit devices: dsPIC30F and dsPIC33F. MPLAB C is a 32-bit Windows® console application as well as a fully integrated component of 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.

16-Bit Language Tools Libraries
Included in the download of the MPLAB compiler are support libraries including Standard C library, DSP Library and math functions in the Fixed Point Math Library and Floating Point Math Library.

Features	Package Contents

- 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
- Support for DSP accumulator registers from the C language
- Support for DSP intrinsincs (functions) from the C language. DSP intrinsics map directly to native dsPIC assembly language instruction
- Free unrestricted Evaluation Version of the C compiler

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