MPLAB Starter Kit for PIC24F MCUs   Buy Now

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Part Number: DM240011

Documentation & Software

The PIC24F Starter Kit contains everything needed to begin exploring the high performance and versatility of the PIC24F microcontroller family. This inexpensive kit includes an integrated in-circuit debugger and programmer, USB device and host connectors, tri color LED, capacitive touch pad and an OLED display. Menu driven demonstration software supports data logging, thumb drive, and graphics applications to test the PIC24F MCU.

PLEASE NOTE: Some customers have experienced issues upon installing the starter kit from the CD. The project build process will fail due to the lack of a license key. If you experience this, the workaround is to download and install the free edition of the MPLAB C Compiler for PIC24F MCUs, and then install the starter kit from the CD.

The PIC24F Starter Kit includes integrated hardware debug and programmer circuitry to develop, program and test applications on the board's PIC24F MCU device --all from the MPLAB graphical development environment. A USB connection to a host computer supplies communications and power to the board --no additional external power supply is needed.

Demos included:

- Interactive, menu driven display using Parallel Master Port (PMP)
- Capacitive touch sensing with the Charge Time Measurement Unit (CTMU)
- Time and data display using the Real Time Clock and Calendar (RTCC)
- RGB LED Control with three PWMs and Peripheral Pin Select (PPS)
- USB Flash drive interface with USB embedded host peripheral
- Real-time data graphing using the ADC and display multi-tasking
- Real-time data capture using multi-tasking with USB embedded host

MPLAB Start Kit for the PIC24F demo support is now distributed as part of the Microchip Application Libraries, www.microchip.com/MLA.

Once downloaded and installed, demos for this start kit include 'PIC24F Starter Kit 1' and nearly all USB related demo projects, please see the USB library release note for details.

Older software distribution can be found in our archives.

| **Features** | **Package Contents** |

- Easy and inexpensive way to learn the PIC24F 16-bit MCU family
- Starter kit features the PIC24FJ256GB106 MCU with 256KB Flash
- Peripherals including CTMU for capacitive touch and USB OTG
- Integrated debugger
- Free MPLAB C Compiler

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AppNotes	Last Updated	Size	
AN1317 - mTouch Conducted Noise Immunity Techniques for the CTMU	5/12/2010 2:17:26 PM	1MB	
AN1250 - Microchip CTMU for Capacitive Touch Applications	2/2/2009 2:12:09 PM	834KB	
Documents	**Last Updated**	**Size**	
MPLAB Starter Kit for PIC24F User's Guide	4/18/2008 12:29:18 PM	1MB	