

## PIC32MZ Embedded Connectivity (EC) Starter Kit Information Sheet

The PIC32MZ Embedded Connectivity (EC) Starter Kit (DM320006 for non-Crypto development or DM320006-C for Crypto development) provides a low-cost method for the development and testing of USB and Ethernet-based applications with PIC32MZ EC devices.

This evaluation kit includes the PIC32MZ EC Starter Kit board, a PHY daughter board, an Ethernet patch cord, and two USB cables (a Standard-A to Micro-B and a Standard-A to Mini-B).

The board features a Mini-B USB port for debugging, a Standard-A USB port for the embedded host, and a Micro-AB USB Host/Device/OTG port. The PHY daughter board features an RJ-45 Ethernet port for network connectivity.

### Installing MPLAB® X IDE and MPLAB XC32 C/C++ Compiler

Before you use the PIC32MZ EC Starter Kit, it is important that you have installed the Microchip MPLAB® X Integrated Development Environment (IDE) and the MPLAB XC32 C/C++ Compiler. Both the MPLAB X IDE and the MPLAB XC32 C/C++ Compiler are free (see the following note) and are available for download at <http://www.microchip.com/MPLAB> and <http://www.microchip.com/compiler>, respectively.

**Note:** Standard Evaluation (Free) – All optimization levels are enabled for 60 days, but then reverts to optimization level 1 only.

### Running the Demonstration Code and More Information

For the free Microchip TCP/IP demonstration code and more information, please visit the PIC32MZ Embedded Connectivity (EC) Starter Kit page at: <http://www.microchip.com>. From the Design menu, click **Development Tools**. Then, from the Starter Kits menu, click **Starter Kits**, and then click **PIC32MZ EC Starter Kit**. On this page, you will find several demonstrations and code examples that will run on the starter kit.

For information on running a demonstration, please read the accompanying `ReadMe.txt` file for the particular demonstration.

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