

DM164140 - MPLAB Xpress Evaluation Board

Part Number: DM164140

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Xpress Your Creativity

Brilliant ideas are fleeting. As soon as they are recognized, they must be captured quickly, and made real with the highest possible urgency. In embedded design, the creative process is often blunted by the massive array of choices required to simply begin the development cycle. The tasks of selecting a target MCU, finding the appropriate tool chain, and setting everything up on your PC can keep your best ideas from becoming great products. The MPLAB Xpress Evaluation Board (P/N: XXXXX) was designed with a single objective – to help your ideas take the shortest journey from imagination to reality.



Crafted for Cloud-Based Development

The MPLAB Xpress Evaluation board offers seamless integration with our software tool chain, including the MPLAB Xpress cloud-based IDE. MPLAB Xpress is an online development environment that contains the most popular features of our award-winning MPLAB X IDE. This simplified & distilled application is a faithful reproduction of our desktop-based program, which allows users to easily transition between the two environments.

On-Board Application Processor

The centerpiece of the MPLAB Xpress evaluation board is the PIC16F18855 MCU; an 8-bit device with the unique combination of low power consumption, performance to handle almost any application task, and on-chip peripherals that enable you to control your system with a minimal amount of code. The PIC16F18855's peripherals can be set up graphically using the MPLAB Code Configurator plugin, saving you weeks of development time.

Easy System Expansion

Adding sensors, actuators, and drive circuitry to your design is a simple task using the on-board MikroBus expansion header. Over 180 MikroElektronika Click™ expansion boards are available; options range from WiFi, Bluetooth, and GSM to relays, motor drivers, and sensors.

Drag-and-Drop Programming

Programming the MPLAB Xpress Evaluation Board is quick and easy. We've integrated a unique drag-and-drop programmer for compatibility with almost any USB-connected PC, laptop, or tablet. The MPLAB Xpress Evaluation board connects to your PC as a USB Flash drive, so no drivers are needed. Programming of the target device is completed in microseconds. with no waiting.

- Compact, credit card sized footprint offers flexibility during prototyping phase
- On-board PIC16F18855 MCU supports a wide range of applications
- MikroBus Expansion Header with over 180 off-the-shelf options for adding functionality to your design
- Integrated drag-and-drop Programmer with USB Interface – no drivers required!
- Analog potentiometer and pushbutton switches for user input
- Integrates seamlessly with MPLAB Xpress cloud-based IDE and MPLAB Code Configurator for the quickest development cycle

Visit our [MPLAB Xpress Cloud-based IDE](#) homepage to Login and for all other relevant information.

Documentation & Software

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