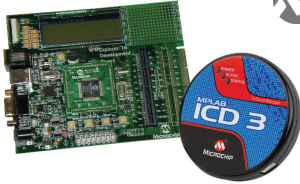


## EXPLORER 16 STARTER KIT W/ MPLAB ICD 3

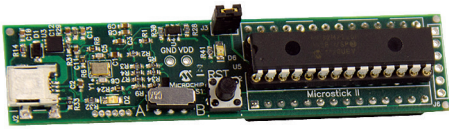


**MPLAB ICD 3 with Explorer 16 Kit** is a complete set of tools for application development using Microchip PIC24F, PIC24H, and dsPIC33 16-bit MCUs. It also includes a 9V universal power supply for the Explorer 16 Development Board, a PIC24FJ128GA010 and a dsPIC33F256GP710 device (mounted on plug-in modules for quick replacement). Also included with the kit is Microchips MPLAB IDE, MPLAB C Compiler for 16-bit devices Lite Edition, tutorials and user manuals on CD-ROM. The complete kit introduces the developer to Microchips family of 16-bit microcontrollers with all the tools for writing code in C, hardware debugging the application and programming devices.

Mfg. Part No.	Description	Stock No.	Price Each
DV164037	Explorer 16 starter kit w/ mlab icd 3	25R7377	1+

PIM\_176996

## MICROSTICK II



- Features**
- Low Cost
  - Integrated USB programmer / debugger
  - USB Powered
  - MPLAB support
  - DUT Socket
  - 0.025" Pin headers
  - Easy access to all device signals for probing
  - Small size, easily Portable
  - On board user LED and reset switch

- Kit contents**
- Free demo code
  - Microstick II Board
  - USB Cable
  - 1x14 header pins (2)
  - PIC24FJ64GB002
  - PIC24HJ64GP502
  - dsPIC33FJ64MC802
  - PIC32MX220F032
  - Guides and instructions

**Microstick II** delivers a complete development hardware platform for 16-bit and 32-bit PIC MCUs and dsPICs. It's the perfect solution to those looking for a low-cost, easy-to-use development platform. The USB-powered kit includes an on-board debugger/programmer, a DUT socket for easy device swapping, a user LED and reset button. It is designed for insertion into a standard prototyping board for easy connection to additional circuitry. The kit is extremely portable as well and is still about the size of a stick of gum!

Mfg. Part No.	Description	Stock No.	Price Each
DM330013-2	Microstick ii	66T7937	40.12

PIM\_198007

## MSP430 LAUNCHPAD VALUE LINE DEVELOPMENT KIT



LaunchPad



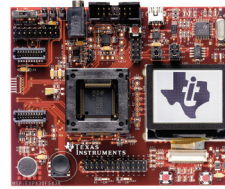
Capacitive Touch Booster Pack

**MSP-EXP430G2 LaunchPad** is an easy-to-use flash programmer and debugging tool that provides everything you need to start developing on MSP430 Value Line devices. It includes a 14-/20-pin DIP socketed target board with integrated emulation to quickly program and debug MSP430 Value Line devices in-system through the Spy Bi-Wire (2-wire JTAG) protocol. The flash memory can be erased and programmed in seconds with no external power supply required due to the MSP430's ultra-low power flash. LaunchPad interfaces MSP430 devices to a free and unrestricted integrated software environment such as Code Composer Studio Version 4 or IAR Embedded Workbench for all MSP430G2xx flash parts in a 14 or 20 pin DIP package.

Mfg. Part No.	Stock No.	Price Each
MSP-EXP430G2	77R3863	1+

PIM\_178813

## MSP430F5438 EXPERIMENTER BOARD

**Features**

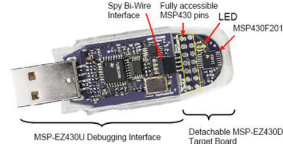
- 100-pin socket for MSP430F5438
- 256KB Flash Memory
- 16KB RAM
- 18MHz Clock Speed
- 4x UART/LIN/IrDA/SPI
- 4x I2C/SPI
- 5-position joystick (up, down, left, right, push down)
- 138x110 grayscale, dot-matrix LCD
- 3-Axis Accelerometer (ADXL330)
- Microphone (Amplified by TLV2760)

**MSP430F5438** experimenter board is a development platform for the latest generation MSP430 MCUs. The experimenter board helps designers quickly learn and develop using the new F5xx MCUs, which provide low active power consumption, more memory and leading integration for applications such as energy harvesting, wireless sensing and automatic metering infrastructure (AMI). A Flash Emulation Tool, like the MSP-FET430UIF, is required to program and debug the MSP430 devices on the experimenter board.

Mfg. Part No.	Stock No.	Price Each
MSP-EXP430F5438	09R4951	1+

PIM\_148811

## MSP430F2013 EZDSP USB STICK DEVELOPMENT TOOL

**Features:**

- **eZ430-F2013** development tool including a USB debugging interface and detachable **MSP430F2013** target board
- LED indicator
- Removable USB stick enclosure

- Debugging interface supports development with all **MSP430F20xx** devices
- Integrated IAR Kickstart user interface which includes an assembler, linker, simulator, source-level debugger and limited C-compiler
- Full documentation on CD-ROM

The **eZ430-F2013** is a complete **MSP430** development tool including all the hardware and software to evaluate the MSP430F2013 and develop a complete project in a convenient USB stick form factor. The IAR Embedded Workbench Integrated Development Environment (IDE) provides full emulation with the option of designing with a stand-alone system or detaching the removable target board to integrate into an existing design. The USB port provides enough power to operate the ultra-low-power **MSP430** so no external power supply is required.

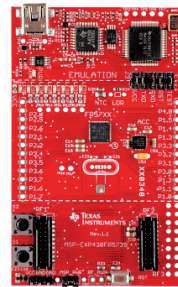
Mfg. Part No.	Description	Stock No.	Price Each
EZ430-F2013	Msp430f2013 ezdsp usb stick development tool	87K7632	1+

PIM\_100980

## MSP-EXP430FR5739 EXPERIMENTERS BOARD

**Features**

- MSP430FR5739, 16Bit, 16KB FRAM, 8MHz
- 3 axis accelerometer
- NTC Thermistor
- 8 Display LED's
- Footprint for additional through-hole LDR sensor
- 2 User input Switches
- Connection to MSP-EXP430F5438
- Connection to most Wireless Daughter Cards (CCxxx RF)



**MSP-EXP430FR5739** Experimenter Board is a development platform for the MSP430FR57xx devices which features integrated Ferroelectric Random Access Memory (FRAM). MSP430FR57xx MCUs provides very low overall power consumption, fast data read / write and unbeatable memory endurance. The Experimenter Board can help evaluate and drive development for data logging applications, energy harvesting, wireless sensing, automatic metering infrastructure (AMI) and many others. The MSP430FR5739 device on the experimenter board can be powered and debugged via the integrated ezFET, or via TI Flash Emulation Tool, like the MSP-FET430UIF.

Mfg. Part No.	Stock No.	Price Each
MSP-EXP430FR5739	45T9740	1+

PIM\_200565