

MSP430 USB Debugging Interface

(ACTIVE) MSP-FET430UIF 2 reviews

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Part Number	Buy from Texas Instruments	Buy from Authorized Distributor	Status	OS	Current Version	RoHS	Description
MSP-FET430UIF: MSP430 USB Debugging Interface	\$115.00(US\$) In Stock Ships in 24 to 48 hours 	Pricing may vary. 	ACTIVE	Windows XP, Vista, 7 (32 & 64-bit)	1	Yes	Programmer & Debuggers MSP430 Emulation Tool for programming & debugging for all MSP430 devices

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Key Document

[MSP430 Hardware Tools User's Guide \(Rev. P\)](#) (PDF 6204 KB)
 17 Sep 2013 36,306views

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Description

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The MSP-FET430UIF is a powerful flash emulation tool to quickly begin application development on the MSP430 MCU. It includes USB debugging interface used to program and debug the MSP430 in-system through the JTAG interface or the pin saving Spy-Bi-Wire (2-wire JTAG) protocol. The flash memory can be erased and programmed in seconds with only a few keystrokes, and since the MSP430 flash is ultra-low power, no external power supply is required.

The debugging tool interfaces the MSP430 to the included integrated software environment and includes code to start your design immediately. The MSP-FET430UIF development tools supports development with all MSP430 flash devices.

Features

- USB debugging interface ([MSP-FET430UIF](#)) connects a flash-based MSP430 MCU to a PC for real-time, in-system programming and debugging
- Technical specifications:
 - Software configurable supply voltage between 1.8 and 3.6 volts at 100mA
 - Supports JTAG Security Fuse blow to protect code
 - Supports all MSP430 boards with JTAG header
 - Supports both JTAG and Spy-Bi-Wire (2-wire JTAG) debug protocols

What's Included

- One 14-conductor cable
- One MSP-FET430UIF interface module
- One MSP430 CD-ROM
- One READ ME FIRST document
- USB Cable

The USB Debugging Interface is compatible with IAR Version 3.21 or higher.

Technical Documents

User Guides (3)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
MSP430 Hardware Tools User's Guide (Rev. P)		PDF	6204	17 Sep 2013	36,306	
IAR Embedded Workbench Version 3+ for MSP430 User's Guide (Rev. AC)		PDF	959	17 Sep 2013	9,392	
Code Composer Studio v5.5 for MSP430 User's Guide (Rev. Z)		PDF	762	17 Sep 2013	13,206	

Related Products

Software (2)

Name	Part Number	Software Type
MSP430Ware	MSP430WARE	Software Libraries

[MSP430 schematic symbols and footprints library for use with the Eagle CAD tool \(Rev. E\)](#)
 (ZIP, 97 KB) 3191 views, 11 Mar 2011

Development Tools (2)

Name	Part Number	Tool Type
Code Composer Studio (CCStudio) Integrated Development Environment (IDE) v5	CCSTUDIO	SW Development Tools, IDEs, Compilers
IAR Embedded Workbench Kickstart - Free 4KB IDE	IAR-KICKSTART	SW Development Tools, IDEs, Compilers

Design Kits & Evaluation Modules (9)

Name	Part Number	Tool Type
MSP-TS430PZ100C Target board	MSP-TS430PZ100C	Evaluation Modules & Boards
MSP430 Parallel Port Debugging Interface	MSP-FET430PIF	Evaluation Modules & Boards
MSP430F532x 80-Pin FET tool and target board combination	MSP-FET430U80A	Evaluation Modules & Boards

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TI Devices (96)

Part Number	Name	Product Family
CC2560-PAN1315	Bluetooth v2.1 + EDR (Enhanced Data Rate) Transceiver	Wireless Connectivity
CC2560-PAN1325	Bluetooth v2.1 + EDR Transceiver with Integrated Antenna	Wireless Connectivity
CC2567-PAN1317	ANT plus Bluetooth dual-mode, single-chip module	SimpleLink Solutions

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Most Popular Tags for MSP-FET430UIF:

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Customer Reviews ^{BETA}

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5 out of 5 By AJAY	MSP-FET430UIF is Golden Posted on: December 16, 2009 "This is the most cost effective way to get embedded firmware and hardware up from 0. The software provided, example code, and chip coverage are excellent. For more advanced projects there are more advanced debug tools but the MSP-FET430UIF is great for 90% of applications." 8 of 8 found this review helpful. Was this review helpful to you? Yes No (Report Inappropriate Review)
5 out of 5 By dpfefferkorn Experience: > 5 yrs Design Phase: Research Location: Hannover, Germany	Helpful and uncomplicated Posted on: August 16, 2010 "I have never experienced any trouble with this device designed to look like one of the 90s game consoles. It's reliable and simple." Was this review helpful to you? Yes No (Report Inappropriate Review)

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