USB ColdFire Multilink: Development Made Easy
Reliable & Cost-Effective

Overview

P&E's **USB ColdFire® Multilink** is an easy-to-use debug and programming interface for Freescale's **ColdFire V2/V3/V4** line of microprocessors. The USB ColdFire Multilink is a member of P&E's family of USB Multilinks, which allow the PC to communicate with a target processor through the USB port of the PC. The Multillink controls the microprocessor by accessing the **Background Debug Mode (BDM)** of the target.

The USB ColdFire Multilink's speed and reliability make it ideal for development, and it is supported by P&E software, Freescale's

P&E ColdFire Interface DOWNLOAD SPEEDS				Measured on a 66MHz MCF5272	
P&E Interface	Serial Port	Parallel Port	USB Port	PCI Card	Ethernet Port
Cyclone MAX Rev. B	6 KBps		172 KBps		234 KBps
CABLE_CFLV Rev. F		13 KBps			
USB-ML-CF Rev. C			50 KBps		

Codewarrior, and other third-party software (available separately). P&E's **ColdFire In-Circuit Programmer** can be used with the Multilink to program internal and external flash memory devices. The USB ColdFire Multilink also works with P&E's **ColdFire In-Circuit Debugger** to control the target processor's execution, read/write registers and memory, and perform full C source-level debug.

More information on the USB ColdFire Multilink is available at **www.pemicro.com**.

Target Architectures
· ColdFire® V2/V3/V4

Applications
· Development/Prototyping

Hardware Features
· Fast, hassle-free USB 2.0 communications interface
· Draws power directly from the USB port – no external power supply needed
· Multi-voltage support for targets ranging from 1.8 to 5.5 Volts
· Compact size

Software Compatibility
· P&E ColdFire In-Circuit Debugger
· P&E Coldfire In-Circuit Programmer
· Freescale CodeWarrior
· Greenhills Multi
· CodeSourcery GNU Tools
· Mentor Graphics Edge

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