Multilink FX

Overview

Multilink debug probes allow a PC access to the Background Debug Mode (BDM) or JTAG interface on wide range of ARM Cortex and 8-16-/32-bit devices, in order to halt normal processor execution and use the PC to control the processor. The user can then directly control the target's execution, read/write registers and memory values, debug code on the processor, and program internal or external FLASH memory devices.

Supported manufacturers include NXP, STMicroelectronics, Cypress, Infineon, Silicon Labs, and many others. Multilink connects between a USB port on a Windows machine and the standard debug connector on the target. Microcontrollers are supported via the multiple headers located under a flip lid on the Multilink case. Ribbon cables suitable for a variety of architectures are included.

Supported Devices	ARM Cortex-M Many additional 8-/16-/32-bit devices
Communications	High-Speed USB 2.0
Cloud Connectivity	none
Speed	Very Fast
Power Management	Can provide 3.3V/5V via ribbon cable
SWO Features	Real-Time Power Measurement SWO ITM Console SWO Data Real-Time Expressions
PROG Software Included?	No
Stand-Alone Programming	No
On-Board Storage	No
Automation	Scripted programming with CPROG (sold separately)
Security Features	No
Expanded Storage	No

Device Support

ARM Cortex devices

Analog Devices	Wireless
AutoChips	MCU
CVA Chip	M01
Cypress	CCG2, CCG3PA, EZ-BLE-PSoC-PRoC, FM3, PSoC5
Flagchip as Flagship	FC4150F, FC7240, FC7300
Geehy	APM32
GigaDevice	GD32
indie Semi	ADAS/Autonomous, ASIC, UserExperience
Infineon	MOTIX™, PRoC-BLE, PSoC4, PSoC6, Traveo-II, XMC, XMC7000
Maxim Integrated	DARWIN
Microchip (Atmel)	PIC32, SAMxxx
MindMotion	MM32F, MM32SPIN
NordicSemi	nRF51, nRF52, nRF53, nRF91
Nuvoton	Nano, NuMicro
NXP	Automotive, iMX RT, Kinetis, LPC, MCX, Sensors,Trimension, Vybrid, Wireless
OMNIVISION	OMX14X
OnBright	OB90Rxx
onsemi	RSL10, Wireless-RF-Transceivers
Qorvo	Intelligent Motor Controllers
Raspberry Pi	RP2xxx
Redpine Signals	WiSeMCU
Renesas	RA, SmartBond, Synergy
Silergy (Maxim)	AM0x, AM1x, MAX716xx, SY7x2xx
Silicon Labs	EFM32, EFR32, SiM3, WiFi
STMicroelectronics	Bluetooth, STM32
Texas Instruments	LM3S, LM4, MSP, SimpleLink, TM4C12x
Toshiba	TX00, TX03, TX04
WIZnet	W7500x
Yuntu	YTM32B1LD0, YTM32B1LE0, YTM32B1MD1
ZHIXIN	MCU

8/16/32 bit devices

NXP	S32, ColdFire® V1, ColdFire® V2/V3/V4, MPC55xx-57xx, DSC, S12Z, HC(S)12(X), HCS08, RS08, MPC5xx/8xx, HC16/683xx
STMicro	SPC5