# **Emulators**



**Home Products Events Support** 

Search Keil.com for:

Go

# **ULINK® USB-JTAG Products**

Overview

**ULINK Product Comparison** 

#### **ULINK® Pro**

#### Overview

Specifications

Supported Devices

**Knowledgebase Articles** 

### **ULINK2® Adapter**

Overview

**Specifications** 

Supported Devices

**Knowledgebase Articles** 

User's Guide

## **ULINK-ME® Adapter**

Overview

**Specifications** 

Supported Devices

**Knowledgebase Articles** 

User's Guide

### **EPM900 LPC Emulator**

Overview

Supported Devices

**Knowledgebase Articles** 

User's Guide

#### SmartMX DBox

Overview

## **Emulators & Debuggers**

Overview

Third-Party Emulators

Feedback

# **ULINK***Pro* Debug and Trace Unit



The Keil ULINK*Pro* Debug and Trace Unit connects your PC's USB port to your target system (via a JTAG, Cortex Debug, or Cortex Debug+ETM connector). It allows you to program, debug, and analyze trace information.

ULINK*Pro*, together with MDK-ARM, provides extended on-the-fly debug capabilities for Cortex-Mx devices. You are able to control the processor, set breakpoints, and read/write memory contents, all while the processor is running at full speed. High-Speed data and instruction trace are streamed directly to your PC enabling you to analyze detailed program behaviour.

## **Features**

- Supports ARM7, ARM9, Cortex-M0, Cortex-M1, and Cortex-M3 devices
- JTAG support for ARM7, ARM9, and Cortex-Mx
- Serial Wire Debug (SWD) support for Cortex-Mx
- Serial Wire Viewer (SWV) Data Trace for Cortex-M3
- Instruction Trace (via ETM) for Cortex-M3
- Trace streamed direct to your PC, provides unlimited trace buffer
- USB 2.0 High-Speed (480Mbits/s) connection to your PC
- JTAG Clock Speed up to 50MHz
- Supports Cortex-Mx devices running at up to 200MHz
- High-Speed Flash Download up to 600KBytes/sec
- USB powered (no power supply required)
- Target connectors:

- 10-pin (0.05") Cortex Debug Connector
- 20-pin (0.10") ARM Standard JTAG Connector
- 20-pin (0.05") Cortex Debug+ETM Connector

ULINKPro provides extensive analysis features such as:

- Data Trace analysis via a Logic Analyzer
- Code Coverage information about your programs execution
- Performance Analysis enabling you to efficiently optimize your application

#### Mote

■ ULINK*Pro* will be available September 2009

**Contact Site Map Press Privacy** 

Copyright © 2010 Keil™, An ARM® Company. All rights reserved.