

Keil ULINK

a family of Debug and Trace Adaptors

ARM[®] KEIL[®]
Microcontroller Tools



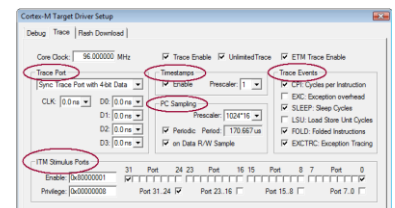
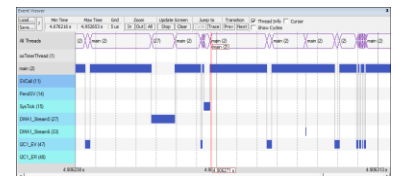
www.keil.com/ulink

The Keil ULINK family of Debug Adaptors connects your PC's USB port to your target system via JTAG or via other on-chip debug interfaces. The ULINK allows you to download and debug programs on target hardware as well as do flash programming. Via Serial Wire Viewer (SWV), ULINKpro is supporting Data and Event trace up to 100Mbit/s in Manchester Mode and up to 1Mbit in UART Mode. Following the implementation of ETM (Embedded Trace Module) into your target device, ULINKpro is supporting Instruction Trace with up to 800Mbit/s. The ULINK-family seamlessly connects to the Keil µVision IDE & Debugger. ULINKproD additionally connects to ARM DS-5.

| ULINK – Edition | ULINKpro | ULINKproD | ULINK2 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|---------------------|-------------------|
| Debug & Trace <ul style="list-style-type: none"> Serial Wire Debug (SWD) Data Trace (ITM) Data & Event Trace (SWV) Instruction Trace (ETM) | ✓ ✓ 100Mbit/s 800Mbit/s | ✓ ✓ 100Mbit/s | ✓ ✓ 1Mbit/s |
| Supported Devices <ul style="list-style-type: none"> ARM7/9 Cortex-M series XC800/µPSD/XC166/LPC950 | ✓ ✓ | ✓ ✓ | ✓ ✓ ✓ |
| I/O Voltage Range | 1,2V -3,3V | 1,2-3,3V | 2,7V – 5,5V |
| Target Connector <ul style="list-style-type: none"> 10-pin (0.05") 20-pin (0.10") 20-pin (0.05") | ✓ ✓ ✓ | ✓ ✓ ✓ | ✓ ✓ |
| Connects to <ul style="list-style-type: none"> MDK-family PK51 PK166 ARM DS5 | ✓ ✓ ✓ | ✓ ✓ ✓ ✓ | ✓ ✓ ✓ |
| Order-Code | ULINKPRO | ULINKPRO-D | ULINK2 |

Debug and Trace features

- Program Download
- Program Flashing
- Support of CoreSight Technology
- Debug program code on target
- Unlimited trace buffer
- Streaming Trace
- Complete Code Coverage
- Execution Profiling



Related Products

- ULINKpro Isolation Adapter
- ULINKpro 5V Adapter

www.distributor.com

All brands names or product names are property of their respective holders. Neither the whole nor any part of the information contained in, or the product described in this document may be adapted or reproduced in any material form expect with the prior written permission of the copyright holder. The product described in this document is subject to continues development and improvements. All particulars of the product and its use contained in this document are given in good faith. All warranties implied or expressed including but not limiting to implied warranties of satisfactory quality or fitness for purpose are excluded. This document is intended only to provide information to the reader about the product. To the extent permitted by local laws ARM shall not be liable for any loss or damage arising from the use of any information or any error or omission in such information.

www.keil.com