

Keil ULINK Series

Debug and Trace Adapter



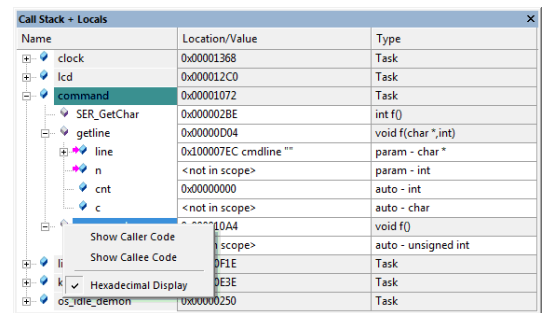
www.keil.com/ulink

The Keil ULINK family of Debug Adaptors connects the HOST computer via the USB port to your target system. ULINK uses on-chip debug interfaces and supports application debugging and flash programming.

The ULINK Debug/Trace adapter series supports traditional features like simple and complex breakpoints, watch windows, and execution control. Using the Serial Wire Output (SWO) additional trace features like event viewer and logic analyzer are supported.

The ULINKpro Debug/Trace adapter also interfaces to ETM trace connectors and uses streaming trace technology to capture the complete instruction trace for code coverage and execution profiling.

ULINK – Edition	ULINKpro	ULINKproD	ULINK2
Debug & Trace			
• Serial Wire Debug (SWD)	✓	✓	✓
• Data Trace (ITM)	✓	✓	✓
• Data & Event Trace (SWO)	100Mbit/s	100Mbit/s	1Mbit/s
• Instruction Trace (ETM)	800Mbit/s		
Supported Devices			
• 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			
• 10-pin (0.05")	✓	✓	✓
• 20-pin (0.10")	✓	✓	✓
• 20-pin (0.05")	✓	✓	✓
Connects to			
• Keil MDK-ARM	✓	✓	✓
• Keil PK51	✓	✓	✓
• Keil PK166	✓	✓	✓
• ARM DS5	✓	✓	✓
Order-Code	ULINKPRO	ULINKPRO-D	ULINK2



The **Call Stack + Locals** window shows variables and the function call nesting. RTOS threads are also shown for applications that use RTX.



The **Event Viewer** displays thread, interrupt, and exception execution over time.

Related Products

- Keil MDK-ARM Microcontroller Development Kit
- ARM DS-5 Development Studio
- ULINKpro Isolation Adapter
- ULINKpro 5V Adapter

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