Keil ULINK Series

Debug and Trace Adapter

ARM®KEIL®
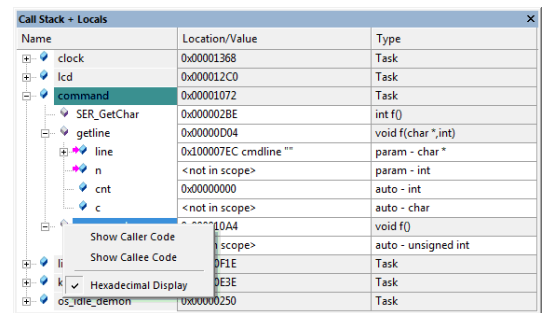Microcontroller Tools

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 programing.

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

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