

Keil ULINK series

Debug and trace adapters



The Keil ULINK family of debug and trace adapters connects the host computer via USB to your target system. ULINK uses on-chip debug interfaces and supports application debugging and flash programming.

The ULINK family 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 and trace adapter additionally interfaces to ETM trace connectors and uses streaming trace technology to capture the complete instruction trace for code coverage and execution profiling.

www.keil.com/ulink

ULINK – Edition	ULINKpro	ULINKproD	ULINKplus	ULINK2
Debug & Trace				
Serial Wire Debug (SWD)	✓	✓	✓	✓
Data Trace (ITM)	✓	✓	✓	✓
Data & Event Trace (SWO)	100 Mbit/s	100 Mbit/s	50 Mbit/s	1 Mbit/s
Instruction Trace (ETM)	800 Mbit/s			
Supported Devices				
ARM7/9	✓	✓	✓	✓
Cortex-M series	✓	✓	✓	✓
XC800/μPSD/XC166/LPC950				✓
Energy measurement & Test I/O			✓	
Electric isolation (1 kV)	optional	optional	integrated	
I/O Voltage Range	1.2 V -3.3 V	1.2 V-3.3 V	1.2 V-5.5 V	2.7 V-5.5 V
Target Connector				
10-pin (0.05"), 20-pin (0.10")	✓	✓	✓	✓
20-pin (0.05")	✓	✓		
Connects to				
Keil MDK	✓	✓	✓	✓
Keil PK51, PK166	✓	✓	✓	✓
ARM DS, DS-5	✓	✓		
Order-Code	ULINKPRO	ULINKPRO-D	ULINKPLUS	ULINK2

Related Products

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

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