Keil ULINK series

arm KEIL

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 programing.

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 system analyzer are supported.

ULINK*pro* interfaces to ETM trace connectors and uses streaming trace technology to capture the complete instruction trace for code coverage and execution profiling.

ULINK*plus* additionally offers power measurement for energy optimization and I/Os for test automation.

www.keil.com/ulink

Feature	ULINK*pro*	ULINK*pro*D	ULINK*plus*	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	✓	✓		✓
Arm 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-5	✓	✓	✓	
Order-Code	ULINKPRO	ULINKPRO-D	ULINKPLUS	ULINK2

Related Products

- Keil MDK Microcontroller Development Kit
- Arm DS-5 Development Studio
- ULINK*pro* Isolation Adapter
- ULINK*pro* 5V Adapter

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