



[www.keil.com/ulink](http://www.keil.com/ulink)

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 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.

Feature	ULINK <i>pro</i>	ULINK <i>pro</i> D	ULINK <i>plus</i>	ULINK2
<b>Debug &amp; Trace</b>				
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			
<b>Supported Devices</b>				
ARM7/9	✓	✓		✓
Arm Cortex-M series	✓	✓	✓	✓
XC800/μPSD/XC166/LPC950				✓
<b>Energy measurement &amp; Test I/O</b>			✓	
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
<b>Target Connector</b>				
10-pin (0.05"), 20-pin (0.10")	✓	✓	✓	✓
20-pin (0.05")	✓	✓		
<b>Connects to</b>				
Keil MDK	✓	✓	✓	✓
Keil PK51, PK166				✓
Arm DS-5	✓	✓	✓	
<b>Order-Code</b>	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

Distributed by Hitex GmbH

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