

Technical Support

[Overview](#)
[Search](#)
[Contact](#)
[Assistance Request](#)
[Feedback](#)

On-Line Manuals

[Product Manuals](#)
[Document Conventions](#)

ULINKpro User's Guide

[Introduction](#)
[Hardware Description](#)

- [Target Interfaces](#)
 - [ARM Standard JTAG](#)
 - [Cortex Debug \(10-pin\)](#)
 - [Cortex Debug+ETM](#)
- [Board Design Rules](#)
- [Interface Schematic](#)
- [Start Sequence](#)
- [Reset Sequence](#)
- [5V Adapter Option](#)
- [Isolation Adapter Option](#)

[Setup ULINKpro](#)
[Using ULINKpro](#)
[Configure Cortex-M Devices for Tracing](#)
[µVision Windows](#)
[Troubleshooting](#)
[Appendix](#)

5V Adapter Option



[Home](#) » [Hardware Description](#) » 5V Adapter Option [Home](#) » [Hardware Description](#) » 5V Adapter Option

The **5V Adapter** is an optional accessory for the ULINKpro debug and trace unit. This plug-in attachment extends the ULINKpros capabilities to allow 5V-only devices.

The 5V Adapter enhances the capabilities of the ULINKpro in the following ways:

- Expands the I/O Voltage range to 1.5V - 5.5V to accommodate 5V-only devices.
- Supports JTAG and SW clock speeds up to 50MHz.
- Provides full speed data trace capture (SWO).
- Supports target instruction trace capture up to 400 Mbps using 4-pin ETM.



ULINKpro 5V Adapter

The 5V Adapter replaces the 20-pin ribbon cable on ULINKpro, and connects to either the 10-pin (Cortex Debug) or 20-pin (Cortex Debug + ETM) connectors on Keil evaluation boards.



MCBTMPM360 Board w/ULINKpro 5V Adapter