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ULINKpro User's Guide

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Isolation Adapter Option

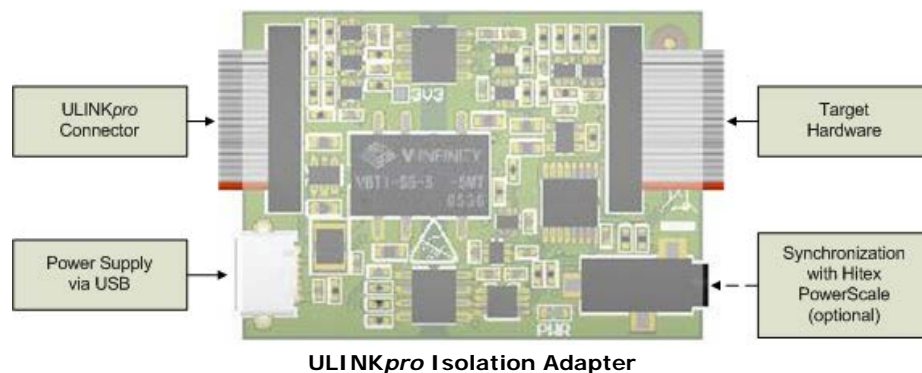


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The **Isolation Adapter** is an optional accessory for the ULINKpro debug and trace unit. This plug-in attachment provides electrical isolation between the target system and the ULINKpro adapter. Electrical isolation is essential when working with systems that may generate high-voltage spikes such as motor control, or where there is no common ground plane.

The Isolation Adapter enhances the capabilities of the ULINKpro in the following ways:

- Provides digital isolation up to 1,000V (1KV).
- Supports JTAG clock speeds up to 15MHz and SW clock speeds up to 20MHz.
- Provides full speed data trace capture (SWO).
- Supports target instruction trace capture up to 150 Mbps using 2 or 4-pin ETM.
- Convenient jack for timing synchronization with optional power measurement probes.
- Allows wide I/O Voltage range from 1.8V to 5.5V.
- Is externally powered via USB MicroAB connector to minimize current draw from the target.



The Isolation 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.

Note

- The Isolation Adapter connects to both Serial Wire and JTAG devices. Switching your uVision project from a Serial Wire (SW) device interface to a JTAG device interface requires a power cycle on your target board.