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User manual

USB JTAG adapter



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Product information

USB JTAG adapter can be used for programming and debugging applications for ARM processors. The adapter is supported in the most established development tools for ARM like Keil, IAR, etc. After connecting the adapter to a PC, user can deploy his compiled applications through the JTAG interface. The adapter is USB powered and is delivered with several tools and drivers that offer advanced debugging and tracing tools.

Features:

- supported processors - ARM7/9/11, Cortex-A5/A8, Cortex-M0/M1/M3/M4, Cortex-R4 (auto-detection)
- USB 2.0 interface
- JTAG (20-pins)
- supported in IAR, Keil, Rowley, etc.
- SWD (Serial Wire Debug) a SWV (Serial Wire Viewer)
- other technologies – RDI interface, GDB server, tools for flash programming

Basic usage

Installation

The adapter can be connected to a PC through standard A/B USB cable. Before connecting the adapter to a PC is necessary to install USB drivers and additional tools which can be downloaded eg. [here](#). After installing the drivers and connecting the adapter to the PC, an indicator located on the front side of the adapter should go green which is an indication of proper device functionality.

In the directory where the drivers were installed to, there can be found additional tools including documentation. The adapter is connected to user's development board through JTAG interface.

Development tools

The adapter is natively supported in the most development tools for ARM processors. After connecting it to user's PC, the adapter should be automatically detected and used for debugging and deploying application to ARM board. Usually it is necessary to configure user's development tools to use this concrete adapter type and not adapters from other JTAG manufacturers like Ulink.