



Telink

Application Note:

User Guide for TLSR9_DEV_KEY

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Brief

This document is the user guide for TLSR9_DEV_KEY.

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Information

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Revision History

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This is the Initial release.

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1. Brief Introduction

This document presents guide on how to use TLSR9_DEV_KEY as an adapter to download firmware into target board (DUT).

Figure 1-1 TLSR9_DEV_KEY photo



2. Connection Guide

2.1 Supply power for TLSR9_DEV_KEY

Connect the mini-USB interface of the TLSR9_DEV_KEY with PC USB via a mini USB cable.

Figure 2-1 Connection chart to supply power for TLSR9_DEV_KEY



2.2 Download firmware into DUT via TLSR9_DEV_KEY

The TLSR9_DEV_KEY is used as burning adapter and it is preloaded with the "aice_mini.hdr".

Method 1: Connect the TLSR9_DEV_KEY via JTAG interface (4-wire).

1. Connect the mini-USB interface of the TLSR9_DEV_KEY with PC USB via a mini USB cable.

User can observe the indicating LED to check the TLSR9_DEV_KEY: If the blue light is always on, it indicates the TLSR9_DEV_KEY and its connection with PC are both OK.

2. Connect the pin header of the TLSR9_DEV_KEY with DUT via Swire: connect TDI,TDO,TCK,TMS,REF,5V and GND of pin header with TDI,TDO,TCK,TMS,3V3,5V and GND of DUT, respectively. If the red light is off, it indicates the TLSR9_DEV_KEY and its connection with DUT are both OK.

Figure 2-2 Connection chart 1 to download FW into DUT via TLSR9_DEV_KEY


Method 2: Connect the TLSR9_DEV_KEY via JTAG interface (2-wire).

1. Connect the mini-USB interface of the TLSR9_DEV_KEY with PC USB via a mini USB cable.
2. Connect the pin header of the TLSR9_DEV_KEY with DUT via Swire: connect TCK, TMS, REF, 5V and GND of pin header with TCK, TMS, 3V3, 5V and GND of DUT, respectively.

Figure 2-3 Connection chart 2 to download FW into DUT via TLSR9_DEV_KEY



3. Schematic

Figure 3-3-1 TLR9_DEV_KEY schematic



