
Application Note :

User Guide for Telink Burning EVK TLSR8266BR56

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Brief:

This document is the user guide for Telink burning
EVK TLSR8266BR56.



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Revision History

Version	Major Changes	Date	Author
1.0.0	Initial release	2018/3	HZF, Cynthia
1.1.0	Updated section 3 Schematic	2018/7	HZF, Cynthia

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1 Brief Introduction

This document presents guide on how to use Telink TLSR8266-based burning EVK “TLSR8266BR56” as an adapter to download firmware into target board (DUT).



Top view



Left side view



Right side view

Figure 1 TLSR8266BR56 photo

2 Connection Guide

2.1 Supply power for TLSR8266BR56

Connect the miniUSB interface of the TLSR8266BR56 with PC USB via a mini USB cable.



Figure 2 Connection chart to supply power for TLSR8266BR56

2.2 Download firmware into DUT via TLR8266BR56

The TLR8266BR56 is used as burning adapter and it is preloaded with the "8266_evk.bin".

Method 1: Connect the TLR8266BR56 with DUT via Single wire (Swire).

1. Connect the miniUSB interface of the TLR8266BR56 with PC USB via a mini USB cable.

User can observe the indicating LED to check the TLR8266BR56: If the light blinks once, it indicates the TLR8266BR56 and its connection with PC are both OK.

2. Connect the pin header of the TLR8266BR56 with DUT via Swire: connect SWM, GND and 3V3 of pin header with SWS, GND and 3.3V of DUT, respectively.



Figure 3 Connection chart 1 to download FW into DUT via TLR8266BR56

Method 2: Connect the TLSR8266BR56 with DUT via USB instead of Swire. This method only applies to the DUT with USB interface (e.g. dongle board).

1. Connect the miniUSB interface of the TLSR8266BR56 with PC USB via a mini USB cable.
2. Connect the USB interface of the TLSR8266BR56 with the USB interface of the DUT.



Figure 4 Connection chart 2 to download FW into DUT via TLSR8266BR56

2.3 Communication interface

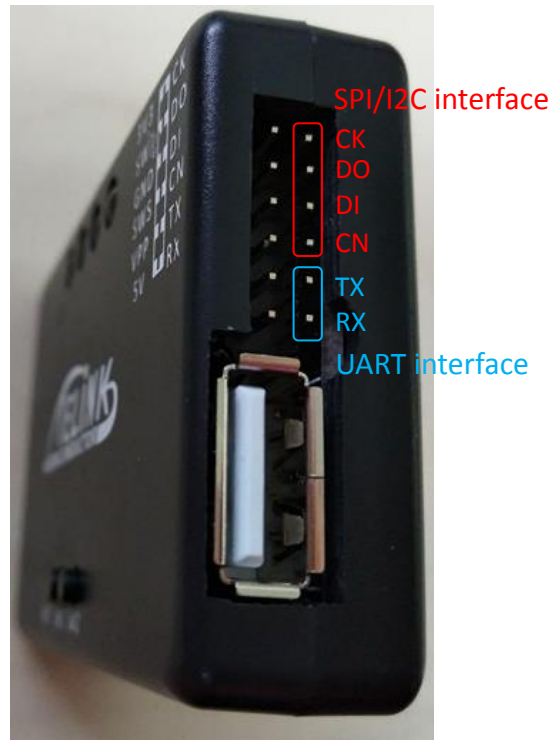


Figure 5 TLSR8266BR56 communication interface

Please refer to the schematic in section 3 for the connection guide of SPI/I2C/UART interface.



This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.