

Telink

# TLSR9518A Dongle User Guide



# 1. Product introduction

## 1.1 General introduction

The TLSR9518A supports standards and industrial alliance , low energy (LE), indoor positioning  
The TLSR9518A combines the features and functions needed for high quality wearable.

## 1.2 Package Material list

TLSRSOCSG80R-V1

Burning EVK for TLSR9518A, Including the Dupont line

# 1. Product Introduction – Continued

## 1.2 Material List – continued



## 2. Core Board Introduction

### 2.1 Dongle introduction

The TLSR9518A supports standards and industrial alliance specifications, low energy (LE), indoor positioning, The TLSR9518A combines the features and functions needed for high quality wearable devices into a single System-on-Chip (SoC).

2.2 The core board has the following characteristics: Clock source of 24 MHz & 32.768 Hz Crystal and 32 kHz / 24 MHz embedded RC oscillator, among which the external 24MHz crystal is to calibrate internal 32 kHz clock, the internal 32 kHz oscillator is for low precision application, the external 32.768 kHz crystal is for high precision application. Up to 48 GPIOs. All digital I/Os can be used as GPIOs. Configurable to select 2-wire SDP or 4-wire JTAG debug interface SPI/I2C/UART with hardware flow control and 7816 protocol support.

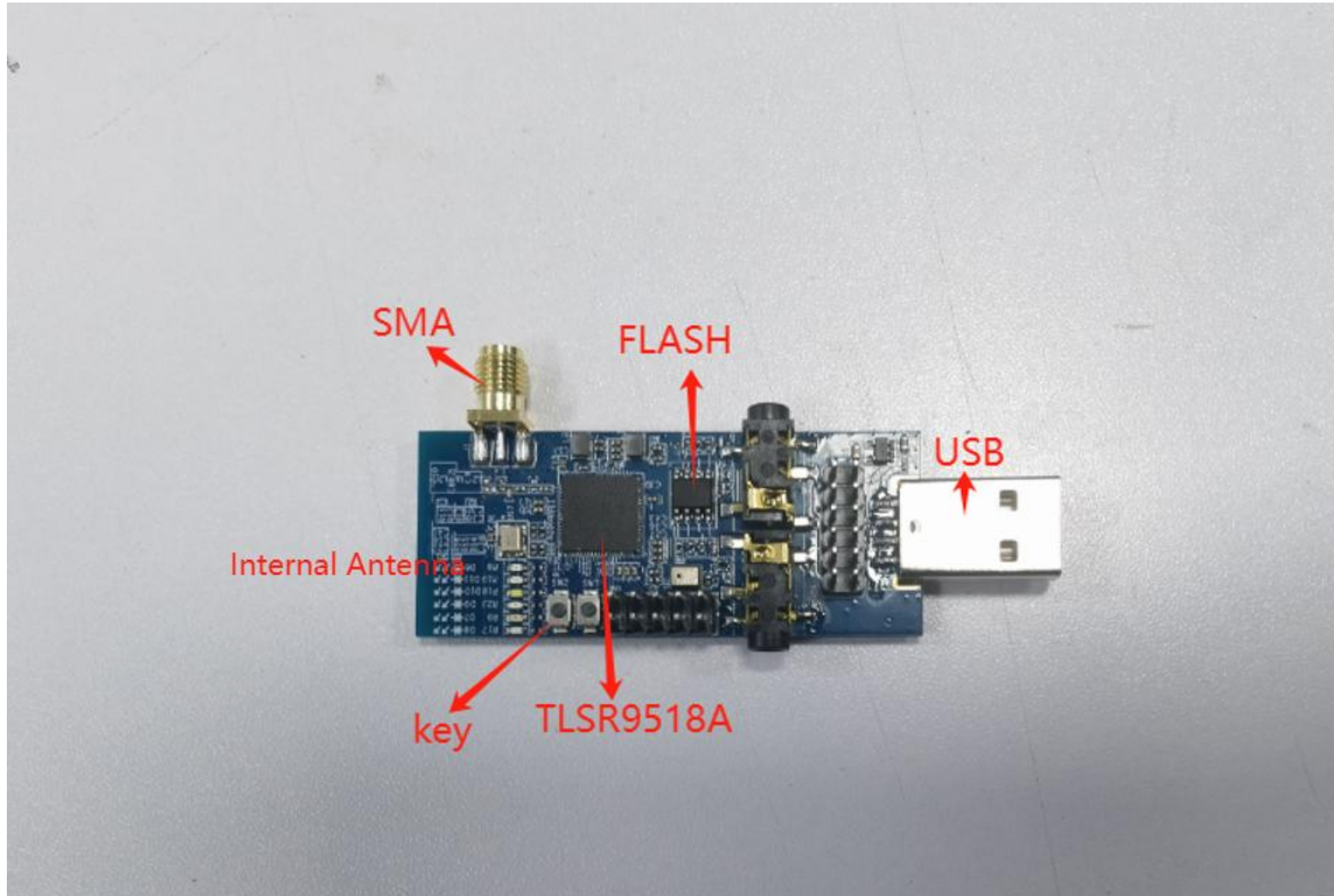
This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

## 2. Core Board Introduction – Continued



## 2. Core Board Introduction – Continued

### 2.1.2 POWER and SWS connection

