

Telink TLSR9218 Multi Standard Wireless SoC Chip Instruction Manual

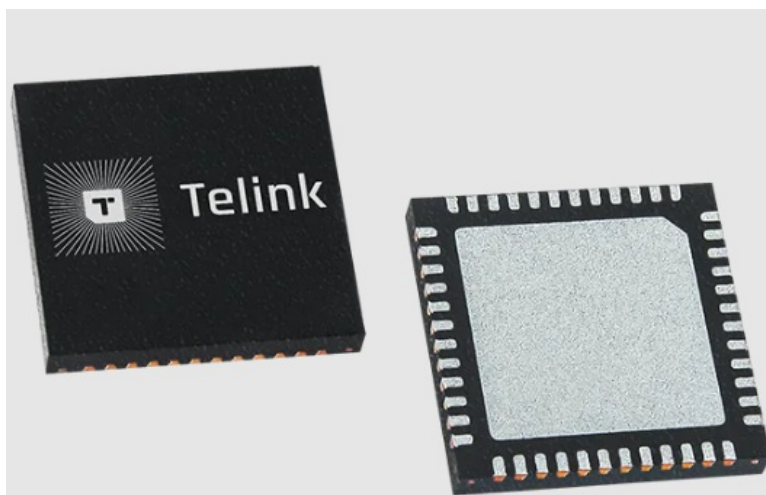
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Telink

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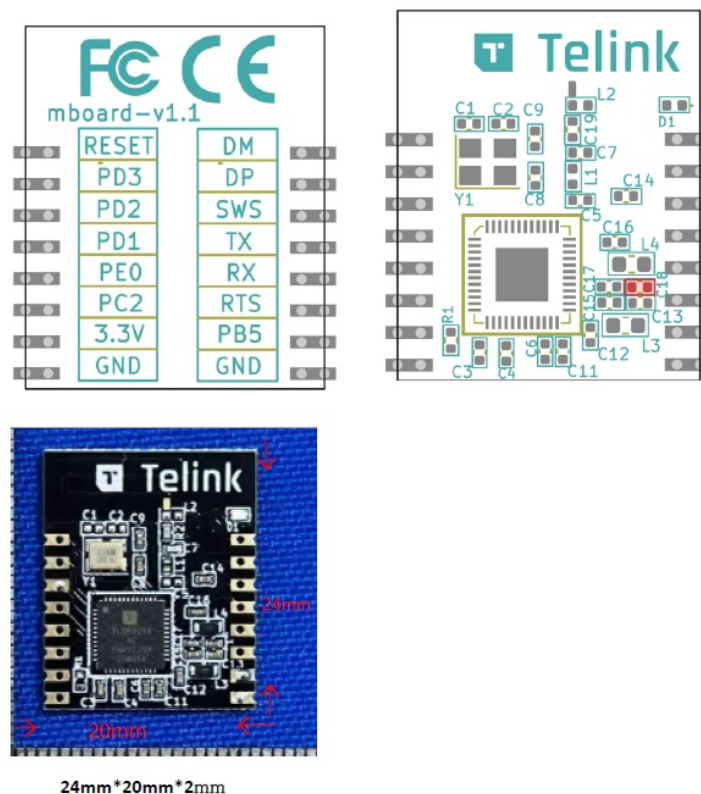


Installation

The TLSR9218, which is based on Telink TLSR9218 chip, provides a Bluetooth LE-standard wireless system. The TLSR9218 integrates a power-balanced BLE internal Flash, 14bit ADC with PGA, analog and digital microphone input, stereo audio output, 6-channel PWM, one quadrature decoder (QDEC), abundant and flexible GPIO interfaces, and nearly all the peripherals needed for IOT (Internet of Things) and HID (Human Interface Devices) application development (e.g Bluetooth). The TLSR9218 supports standards and industrial alliance specifications including Bluetooth Low Energy (up to Bluetooth 5), BLE Mesh proprietary standard.

Telink TLSR9218 board can be used for SDK development. Firmware can be directly downloaded to the TLSR825XML32D board to be up and running.

The TLSR9218 is usually placed on the motherboard as a daughter board. To install the TLSR9218 on the hardware, you need to connect it to the motherboard PIN to PIN, including power, ground, UART and other GPIO. When TLSR9218 is used as the main chip. First, download firmware into TLSR9218, make sure the TLSR9218 is supplied with power normally. Then connect SWS of the TLSR9218 with SWM of a burning EVK (TLSR8266BR56). Meanwhile, connect the miniUSB interface of the burning EVK with PC USB. When TLSR9218 is used as the slave chip, it can communicate with the main chip through UART.



FCC Statement

FCC standards: FCC CFR Title 47 Part 15 Subpart C Section 15.247 Device is equipped with PCB antenna, Antenna gain 0dBi 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. Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: 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 to correct the interference by one or more of the following measures:

- Reorient or relocate 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. We will retain control over the final installation of the modular such that compliance of the end product is assured. In such cases, an operating condition on the limit modular approval for the module must be only approved for use when installed in devices produced by a specific manufacturer. If any hardware modify or RF control software modify will be made by host manufacturer, C2PC or new certificate should be apply to get approval, if those change and modification made by host manufacturer not expressly approved by the party responsible for compliance, then it is illegal.
- FCC Radiation Exposure Statement The modular can be installed or integrated in mobile or fix devices .

This modular cannot be installed in any portable device if without further certification such as C2PC with SAR. This modular complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This modular must be installed and operated with a minimum distance of 20 cm between the radiator and user body. If the FCC identification number is not visible when the module is installed inside another device, then the outside of the device into which the module is installed must also display a label referring to the enclosed module. This exterior label can use wording such as the following: "Contains Transmitter Module FCC ID: OEOTLSR9218MD48D Or Contains

FCC ID: OEOTLSR9218MD48D" When the module is installed inside another device, the user manual of the host must contain below warning statements; 1. 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;
2. This device must accept any interference received, including interference that may cause undesired operation.

Note: 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 to correct the interference by one or more of the following measures:

- Reorient or relocate 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 the user's authority to operate the equipment.

The devices must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product.

Any company of the host device which install the modular with limit modular approval should perform the test of radiated & conducted emission and spurious emission, etc. according to FCC part 15C : 15.247 and 15.209 &

15.207 ,15B Class B requirement, Only if the test result comply with FCC part 15C : 15.247 and 15.209 & 15.207 ,15B Class B requirement then the host can be sold legally.

Documents / Resources

	<p>Telink TLSR9218 Multi Standard Wireless SoC Chip [pdf] Instruction Manual TLSR9218MD48D, OEOTLSR9218MD48D, TLSR9218, TLSR9218 Multi Standard Wireless SoC Chip, Multi Standard Wireless SoC Chip, Wireless SoC Chip, SoC Chip, Wireless Chip, Bluetooth LE Standard Wireless System</p>
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