WizFi630S EVB
Datasheet

(Version 1.0.0)

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Document Revision History

Date	Revision	Changes
2019-12-13	1.0	Release

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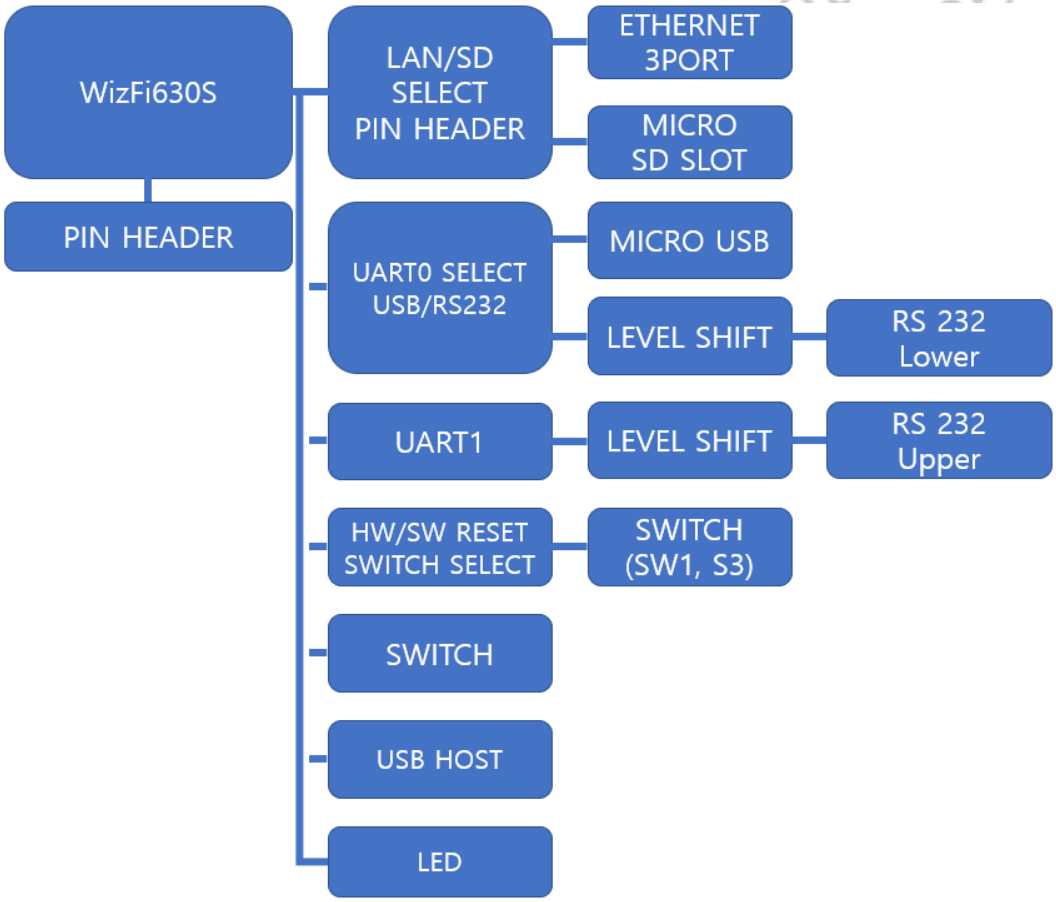
1. Overview

This document will explain about WizFi630S-EVB, which is an evaluation board for easier testing and faster development of WizFi630S.

Users can use the following peripherals that WizFi630 supports; Wi-Fi, Ethernet 3Port and UART-lite, eMMC, USB host, etc.

2. Features

The features of WizFii630S-EVB are as shown below.



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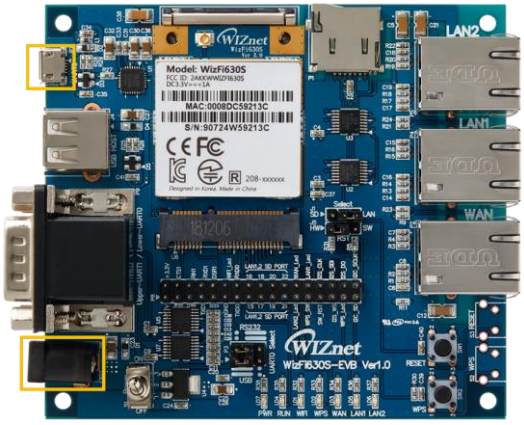
3. Board Configurations

3.1 Power Source



Users can choose between 5V/2A adaptor or Micro USB for power.

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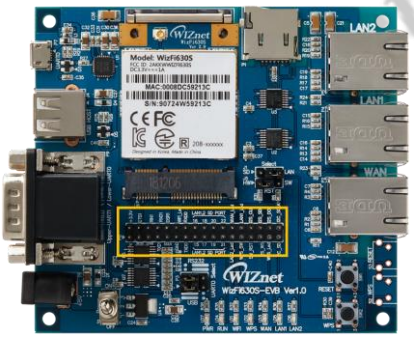
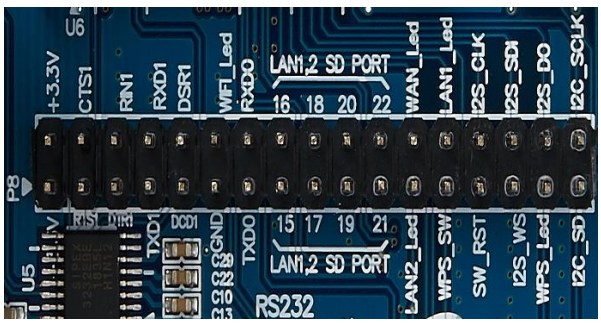
3.2 External Connector





Almost all the pins of WizFi630S can be connected via the external connector.

A few of the pins require caution as they could be connected to the LED, Ethernet, etc.

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3.3 LEDs

There are 6 LEDs for status and 1 LED for user's customization.

- PWR LED indicates the power status of WizFi630S-EVB.
- RUN LED turns on when the booting of WizFi630S is completed.
- WIFI LED indicates the Wi-Fi status of WizFi630S.
- WPS LED can be used for user's customization.
- WAN LED indicates the connection status of WAN Port.
- LAN1 LED indicates the connection status of LAN1 Port.
- LAN2 LED indicates the connection status of LAN2 Port.

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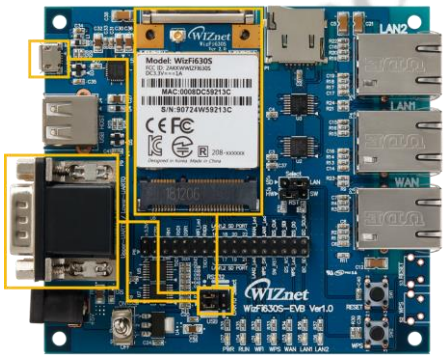
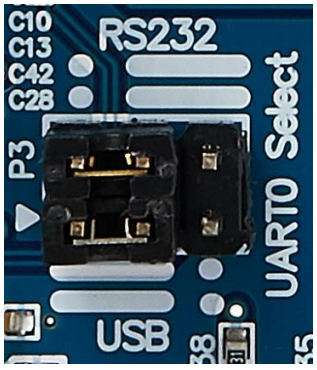
3.4 USB0 Select





WizFi630S-EVB supports the UART0 Interface via 9pin D-sub(DB9) or micro USB.

The DB9 connector and micro USB connector can be physically connected using a 'USB0-select jumper tab.' Power will be supplied simultaneously with the UART interface if a micro USB connector is used, whereas separate power supply is needed when a DB9 connector is used.

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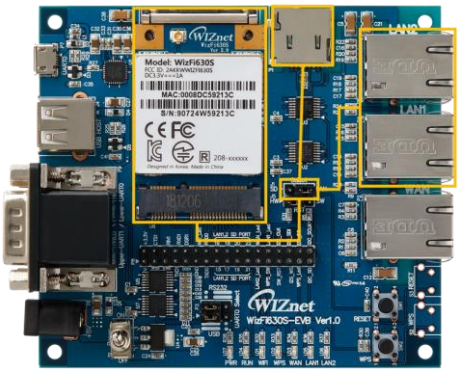
3.5 SD/LAN Select



The pins that are defined as LAN1 and LAN2 can also be used as eMMC Interface via pin-sharing. This pin-sharing function needs to be defined via software and then users can physically choose between SD interface and LAN interface using the 'SD/LAN-select jumper tab.'

3.6 RST(Reset) Select

WizFi630S supports both cold-boot, which resets the system via physical signal, and warm-boot, which resets using GPIO.

WizFi630S-EVB also supports both reset methods and users can select using the 'HW/SW RST-select jumper tab.'

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4. Dimensions

4.1 WizFi630S Dimensions

Dimensions (mm)	Length	Width	Height	Hole Width	HOLE Height	HOLE Φ	PCB Thickness
	43	33	3.8	24.2	3	2.5	1.0
	Tolerance +/- 0.1mm						

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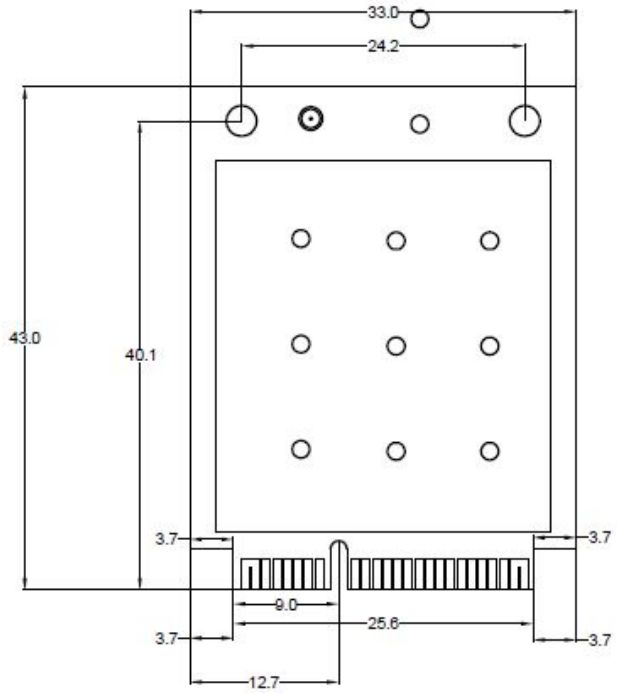

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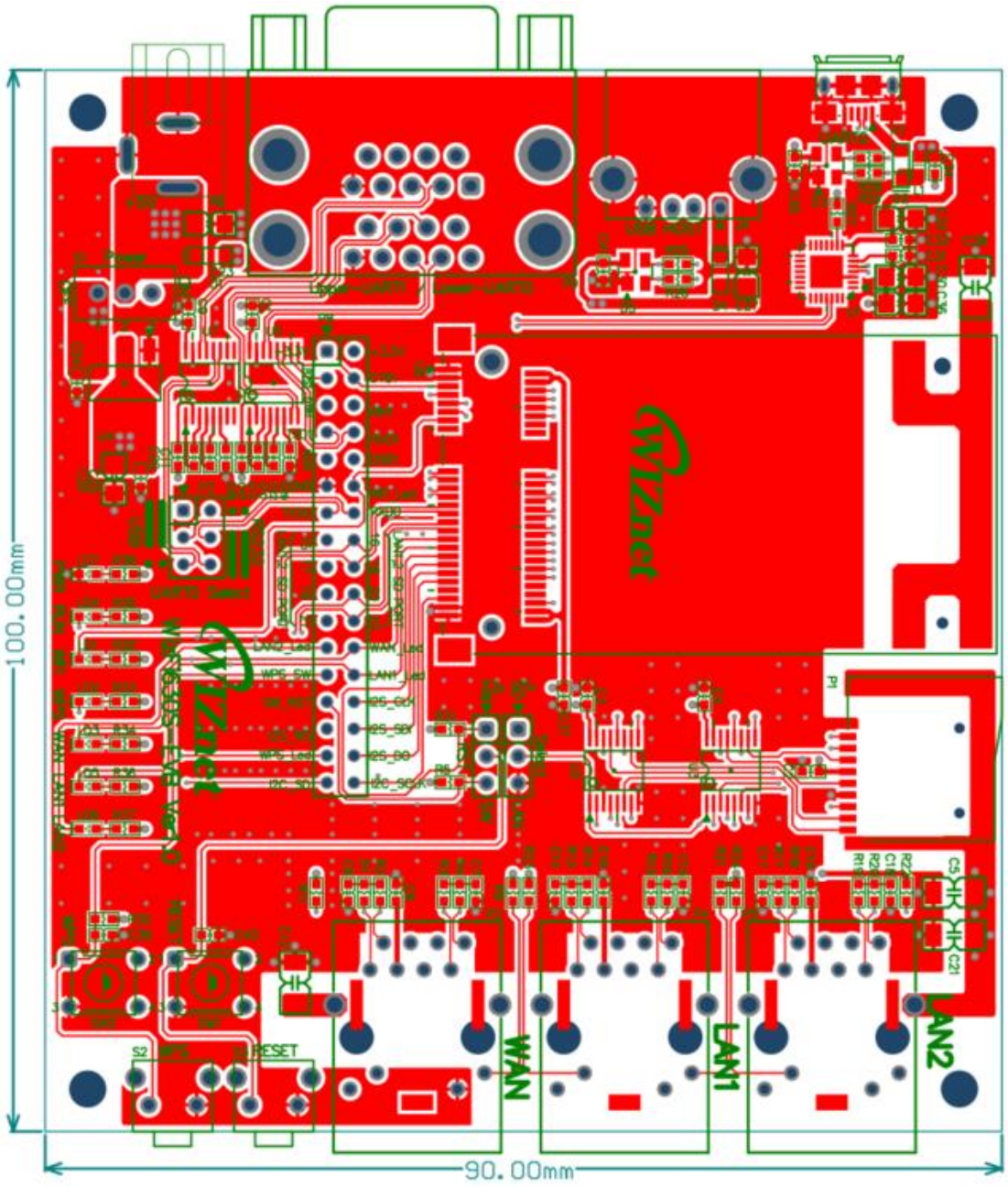
4.2 WizFi630S-EVB Dimensions



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