



# EXPANT Wireless Module manual

**Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.**

**IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user' s authority to operate the device.**

**Dimension : H31mm\*W26mm\*D6mm ( 8-pin connector included )**

**Input Voltage : DC 5V+/-5%**

## **Indroduction :**

EXPANT is a 2.4GHz wireless module. It can be designed to fit MCU base circuit for 2.4GHz wireless communication with another unit.

## **8-pin connector Function :**

P1 : GND—Signal and power input common pin.

P2 : +5V—DC 5V power input pin.

P3 : RST—CYRF6936 RST pin.

P4 : SS--CYRF6936 SS pin.

P5 : IRQ--CYRF6936 IRQ pin.

P6 : SDO--CYRF6936 MOSI pin.

P7 : SDI--CYRF6936 MISO pin.

P8 : SCK--CYRF6936 SCK pin.

**RF channel : 2415MHz~2472MHz for FCC.**

**CYRF6936 Specification : Please visit <http://www.cypress.com> to get CYRF6936 datasheet.**

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATIONS 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 INTERFEERENCE THAT MAY CAUSE UNDESRIED OPERATION

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: 2ACVZ-BOW-EXPANT"

When the module is installed inside another device, the user manual of this device 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.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.