

**Product Name:**Sensor Expansion Board Shield V5 RS485 Bluetooth Module Interface For Xbee

### **Introduction**

This little shield that could, takes the small and fiesty Xbee module range and makes it easy to attach to UNOs and MEGAs and gives them access to those much desiered wireless capabilities as well as much more.

The shield gives you full access to all the digital and analog ports and provides each with its own VCC and GND. This is the typical required format that sensor modules are supplied in as can be seen in our range of sensor modules. Furthermore the shield breakout the I2C and UART allowing nice and simple connection for modules such as SD card readers and LCD displays.

The module provides an number of interfaces that are commonly used. These cover the main bluetooth footprint, SD cards, APC communication and RS485. As well as those the standard UART and I2C are also made easy to access. All in all becoming a very versatile shield suitable all manner of communication projects.

Please do not hesitate to contact us if you require further information regarding the shield's operation

### **Specification**

Extract 14 digital IO port (12 servo interfaces) and power supply;

Six analog IO ports;

One digital port external power source terminal;

Automatic switch between external power supply via digital port and onboard power supply;

One external power supply input terminal and One input pin;

RS485 interface;

Reset button;

Bluetooth wireless data transmission interface;

APC220/Bluetooth V3 bluetooth wireless data transmission interface;

IIC/I2C/TWI interface;

3.3 V output port;

SD card module interface;

## Package Included

1PCS x Sensor Expansion Board Shield

