FRIBEE white

Arduino UNO R3 compitable

CE FC RoHS

Easy expand into a wireless Arduino!

Arduino UNO R3 compatible microcontroller with built-in Xbee shield. It is based on the Atmega328P.

A data displayed on the PC monitor can be transmitted wirelessly without software debugging.
That function is provided as DIP switch conversions.

You can choice an Xbee type pinout antenna for a various wireless communication.

Key features

- XBee-Shield built-in Arduino UNO R3 compatible microcontroller

- You can choice an antenna type such as bluetooth, WiFi, XBee, and Zigbee

- Without s/w debugging, a data displayed on the PC monitor can be transmitted wirelessly

- ATmega328P microcontroller board and equivalent size with uno r3
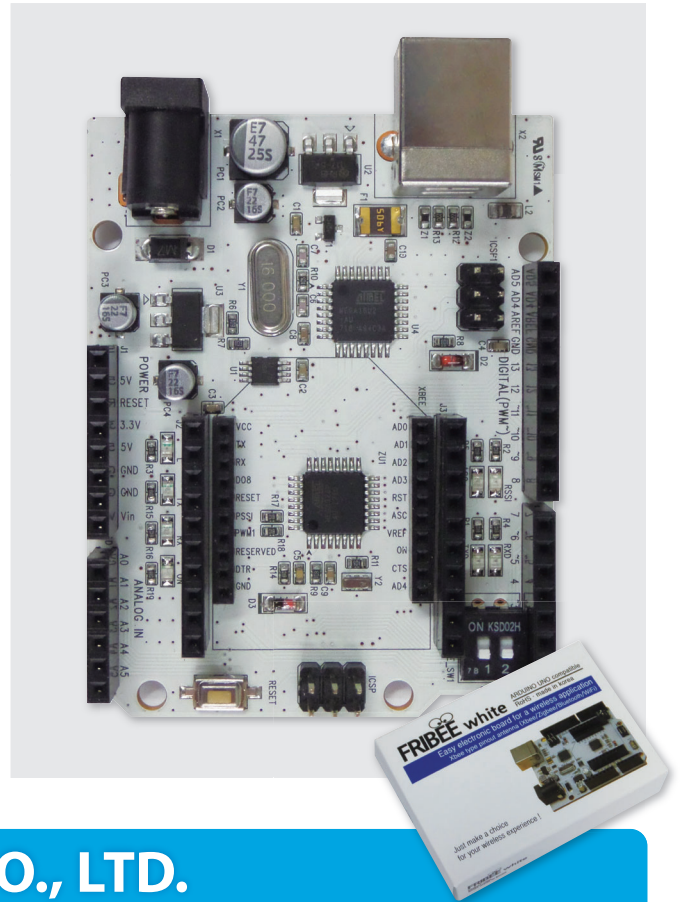
FRIBOT CO., LTD.

Company Profile

Our company has started with the domestic sales online. We have designed the FRIBEE products and those have been produced by the OEM.
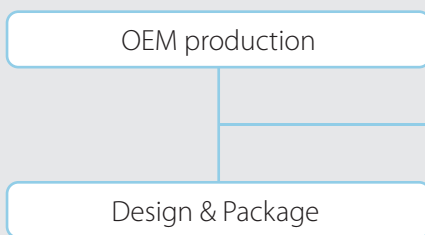
VISION
- Personal DIY networking
- Personal DIY automation
- Personal SMART wearable

MISSION
- Respond quickly to customer demands in the IOT application
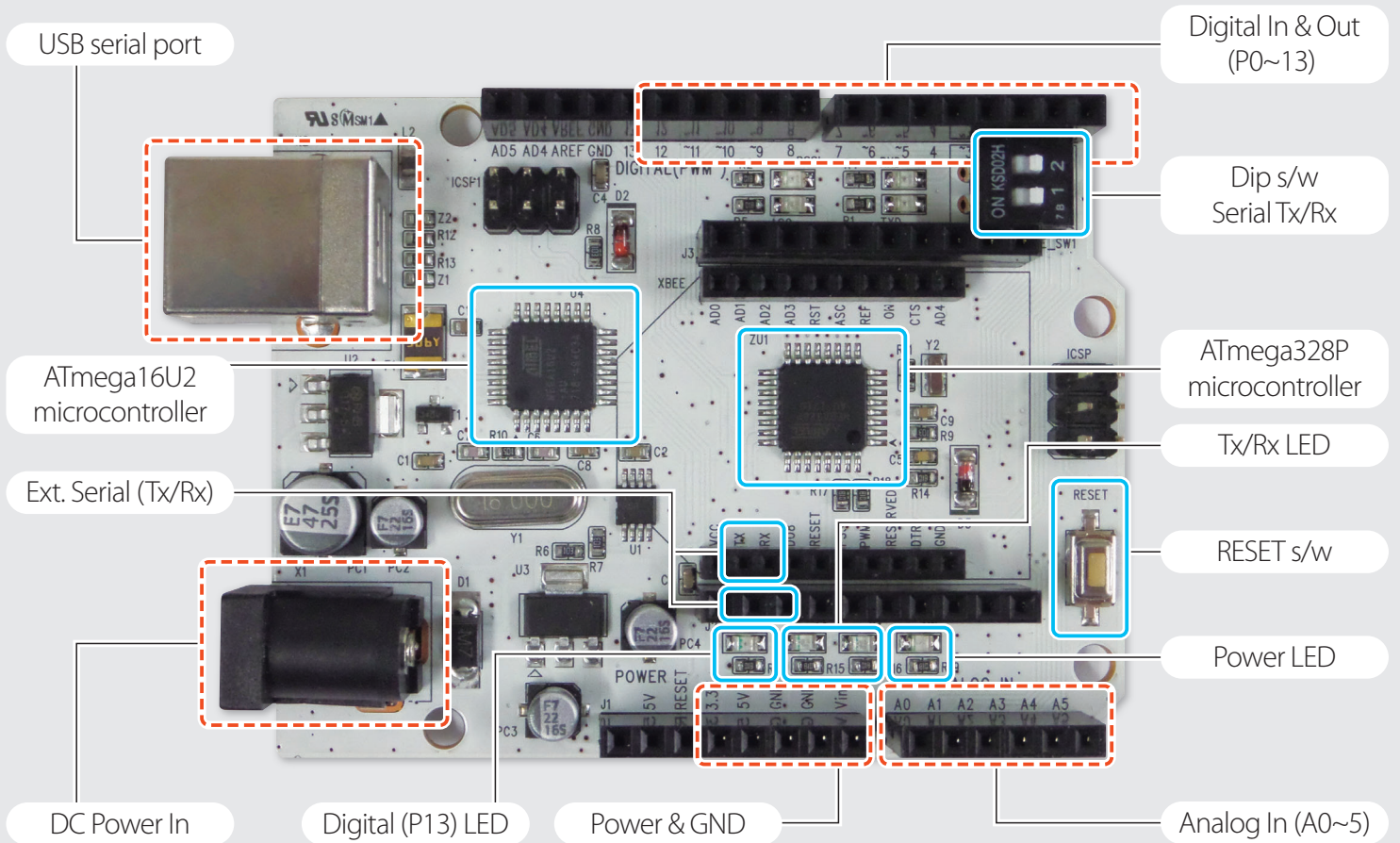- Personalize high quality product

Our business

| OEM production | FRIBEE products | Domestic Online sales : www.fribot.com |
| Design & Package | | Export Online sales at AMAZON USA |

FRIBOT

FRIBEE white (ver.1.0)

Arduino UNO R3 compitable

- USB serial port
- ATmega16U2 microcontroller
- Ext. Serial (Tx/Rx)
- DC Power In
- Digital (P13) LED
- Power & GND
- Digital In & Out (P0~13)
- Dip s/w Serial Tx/Rx
- ATmega328P microcontroller
- Tx/Rx LED
- RESET s/w
- Power LED
- Analog In (A0~5)

Specifications

Microcontroller ARmega328P	Flash Memory 32 KB of which 0.5 KB used by bootloader
Operating Voltage 5V	
Input Voltage (recommended) 7-12V	SRAM 2 KB
Input Voltage (limits) 6-20V	EEPROM 1KB
Digital I/O Pins 14 (of which 6 provide PWM output)	Clock Speed 16 MHz
Analog Input Pins 6	XBee Socket (802.15.4) & pin header
DC Current per I/O Pin 40 mA	DIP s/w for the selection between USB serial and XBEE serial communication.
DC Current for 3.3V Pin 50 mA	

Dimension & Weight
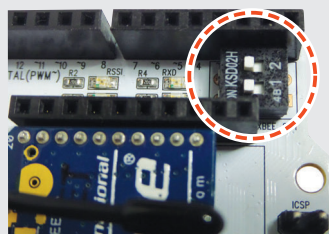
Width x Hight x Depth : 7.9 x 5.7 x 2.0 mm

Weight : 35g (gross weight with package box 40g)

Documentation

Schematics in pdf

DIP switch selection for the serial communications

For USB port serial

For Ext antenna serial