

Make your own "Arduino Robot"!

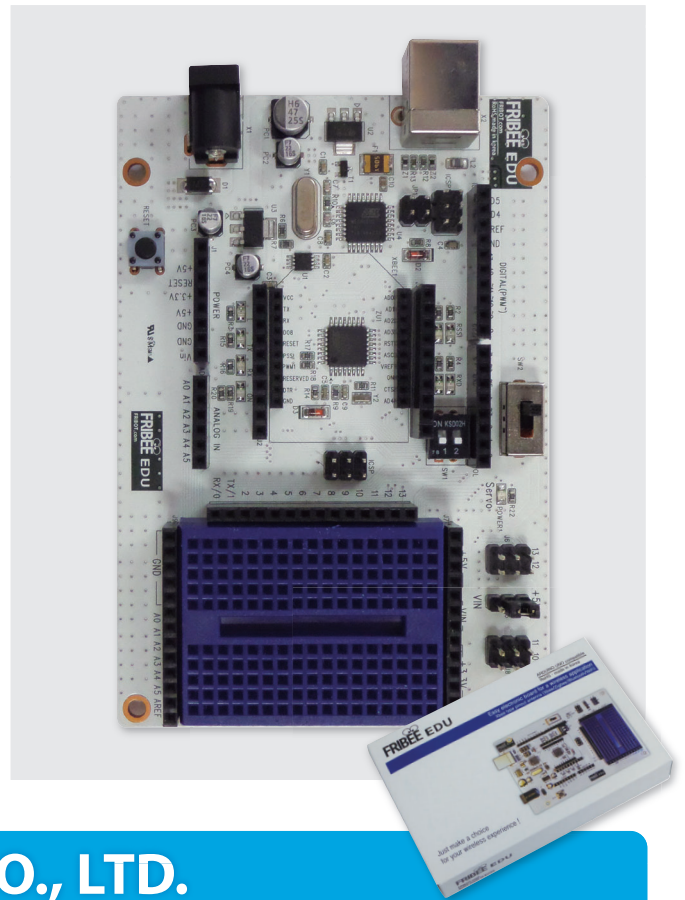
Create a robot that is equivalent to a widely known "Parallax Robot Shield with Arduino" product. It provides effective functionality combining "Arduino UNO compatible microcontroller" and "Parallax board-of-education Shield" and "Xbee shield" functions.

FRIBEE EDU board performs the same performance as "Parallax Robot Shield for Arduino".

Preferably it performs more easily and conveniently in terms of Xbee wireless application of Robot.

Key features

- Arduino UNO R3 compatible for arduino Robot
- Board of education arduino robotic shield
- Arduino UNO R3 compatible with built-in XBee Shield
- Drive your Robot for convenient breadboard prototyping and servo ports, with no soldering required
- Remotely controllable the Robot by XBee type antenna (XBEE / ZIGBEE / Bluetooth / WiFi)



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

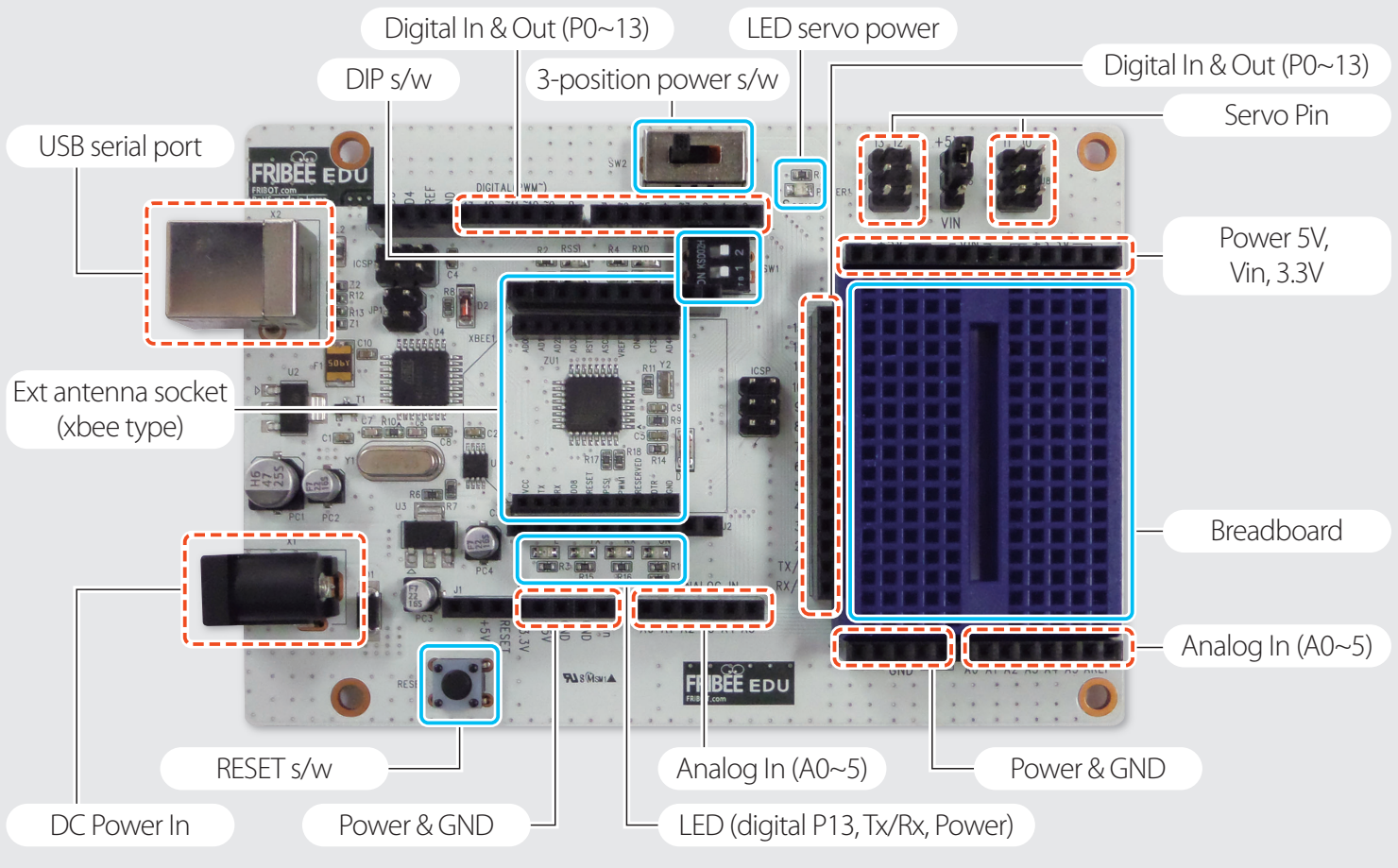
OEM production

Design & Package

FRIBEE products

Domestic Online sales : www.fribot.com

Export Online sales at AMAZON USA



Specifications

Microcontroller ATmega328P

Operating Voltage 5V

Input Voltage (recommended) 7-12V

Input Voltage (limits) 6-20V

Digital I/O Pins 14 (of which 6 provide PWM output)

Analog Input Pins 6

DC Current per I/O Pin 40 mA

DC Current for 3.3V Pin 50

Flash Memory 32 KB of which 0.5 KB used by bootloader

SRAM 2 KB

EEPROM 1KB

Clock Speed 16 MHz

17 row x 2 column breadboard

Servo pins 4 & 3-position power switch

XBee Socket (802.15.4) & pin header

DIP s/w for the selection between USB serial and XBEE serial communication.

Dimension & Weight

Width x Hight x Depth : 12.1 x 8.1 x 2.0 mm

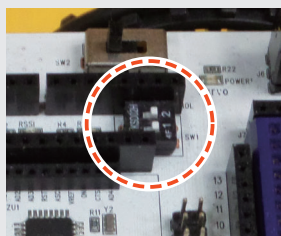
Weight : 70g (gross weight with package box 85g)

Documentation

Schematics in pdf

DIP switch selection for the serial communications

For USB port serial



For Ext antenna serial

