



## Features

### Control Board: AVR

Based on AVR, users can learn the control of various kinds of I/O peripherals.

### I/O Socket

3 sets of extendable I/O ports are located around the working area for easy signal connection.

### Power Jack

With an independent power supply, users can freely increase/decrease peripheral modules.

### DAC/ADC

2 additional independent DAC/ADCs are included for users to design more experimental circuits.

### On Board Components

- 9-36VDC Power input – With terminal and socket connection
- Arduino UNO R3 Microcontroller
- Zigbee
- 0-5V adjustable 1 pot for analogue experiments
- 2 relay and output terminals
- Breadboard
- Buzzer
- Standard I/O interface
- Programmable with Arduino open source IDE
- Motor
- Quartz crystal 16 MHz
- LED
- 7-segment display module
- DC motor control module
- Stepper motor module
- RC servo motor
- LCD module
- Keypad module
- Buzzer
- Push button momentary
- Light Dependent Resistance
- Thermistor, NTC 10k

Note: Specifications are subject to change.