









This is a brand new sensor kit for Arduino, it includes 42 high-quality sensor modules. All the sensor modules are designed by our engineers, these can help you learn Arduino and sensors, and interact with the physical world.

We carefully prepared a guidebook(PDF) with detailed circuit connection diagram for you to learn Arduino programming and sensors. Meanwhile, we have prepared a complete C language code for you. This must be a perfect Arduino learning kit for you.

Features:

- 42 High-quality sensor modules are designed by our engineers, these can help you learn Arduino and sensors, and interact with the physical world.
- Detailed user manual/guidebook and C code are provided. The guidebook contains a description of each module and circuit diagrams. It is easy for you to learn Arduino programming and sensors.
- Adept Arduino UNO R3 is NOT included.

Lessons:

About Arduino

Lesson 1 Blinking LED

Lesson 2 Controlling an LED by a Button

Lesson 3 Controlling an RGB LED by PWM

Lesson 4 Potentiometer Module

Lesson 5 Vibration Sensor Module

Lesson 6 Hall Sensor Module

Lesson 7 Photoresistor Module

Lesson 8 Thermistor Module

Lesson 9 DS18B20 Module

Lesson 10 Active Buzzer

Lesson 11 Passive Buzzer

Lesson 12 PIR Sensor

Lesson 13 LCD1602 Display

Lesson 14 IIC Interface Module

Lesson 15 Touch Button
Lesson 16 Rotary Encoder
Lesson 17 Limit Switch
Lesson 18 Laser Transmitter
Lesson 19 Laser Receiver
Lesson 20 DHT-11
Lesson 21 Reed Module
Lesson 22 Flame Sensor
Lesson 23 MQ-2 Gas Sensor
Lesson 24 Line Finder Module
Lesson 25 Slide Potentiometer Module
Lesson 26 DC Motor Module
Lesson 27 Joystick Module
Lesson 28 MIC Module
Lesson 29 Relay Module
Lesson 30 Segment Display Module
Lesson 31 8*8 LED Matrix Module
Lesson 32 LED Bar Module
Lesson 33 IR Receiver Module
Lesson 34 Soil Moisture Sensor Module
Lesson 35 Water Level Sensor Module
Lesson 36 Ultrasonic Distance Sensor Module

Package List:

4x LED Module
4x Button Module
1x RGB LED Module
1x Potentiometer Module
1x Vibration Sensor Module
1x Hall Sensor Module
1x Photoresistor Module
1x Thermistor Module
1x DS18B20 Module
1x Active Buzzer Module
1x Passive Buzzer Module
1x PIR Sensor Module
1x LCD1602 Module
1x IIC Interface Module
1x Touch Button Module
1x Rotary Encoder Module
1x Limit Switch Module
1x Laser Transmitter Module
1x Laser Receiver Module
1x DHT-11 Sensor Module
1x Reed Module
1x Flame Sensor Module
1x MQ-2 Gas Sensor Module
1x Line Finder Module
1x Slide Potentiometer Module
1x DC Motor Module
1x Joystick Module
1x MIC Module
1x Relay Module
1x Segment Display Module

1x 8x8 LED Matrix Module
1x LED Bar Module
1x IR Receiver Module
1x Remote Controller
1x CM Module
1x Soil Moisture Sensor Module
1x Water Level Sensor Module
1x Ultrasonic Distance Sensor Module
8x 3-Pin Wires
5x 4-Pin Wires
3x 5-Pin Wires
1x Hookup Wire Set
1x 2-Pin Female to Female Wires
20x Male to Female Jumper Wires
1x Header (40 pin)
1x Breadboard
1x Band Resistor Card