



## Features

The Kit includes everything you need to get started with the internet of things, including an Arduino Boards. Alphanumeric Display and Matrix Keypad, sensors and actuators. The Arduino starter kit is perfect for anyone (kids, adults or the elderly) who loves technology and wants a new geeky challenge or to get start building their own personal internet of things. You'll learn through building several creative projects. Start the basic electronics, do more complex projects, the kit will help you control the physical world with sensors and actuators

This is a great kit for you to learn about Arduino and apply many smart home devices. Apart from a components list, we also provide details about the Device bit Platform including operation instructions, and 14 experiments to apply these components and learn about the related modules. Detailed materials such as module description, principle explanation and related code are provided in Manuals.

We want to use the Internet of Things to transform the way students learn about our world. Our learning materials have been designed to get educators using our kits to teach a broad swathe of subjects across Key Stages. Our current focus is getting feedback on how this new technology can help support the new computing curriculum.

## Experiments List

- |                |                                    |                 |   |
|----------------|------------------------------------|-----------------|---|
| ▶ Experiment 1 | How to Use GYROSCOPE sensor Module | ▶ Experiment 8  | How to Use GSM MODEM Module             |
| ▶ Experiment 2 | How to Use IR sensor Module        | ▶ Experiment 9  | How to Use RFID TX and RX 315MHz Module |
| ▶ Experiment 3 | How to Use PIR sensor Module       | ▶ Experiment 10 | How to Use XBEE Module                  |
| ▶ Experiment 4 | How to Use REMOTE sensors          | ▶ Experiment 11 | How to Use Voice Recognition Module     |
| ▶ Experiment 5 | How to Use Natural Gas Sensor      | ▶ Experiment 12 | How to Use Ultrasonic Sensor Module     |
| ▶ Experiment 6 | How to Use HUMIDITY Sensor         | ▶ Experiment 13 | How to Use Magnetic compass Sensor      |
| ▶ Experiment 7 | How to Use Temperature Sensor      | ▶ Experiment 14 | How to Use Camera Module                |

## Package Includes

1 x ADXL335 Gyroscope Module	1 x Ultrasonic sensor Module
1 x Voice Recognition Sensor	1 x RFID TX and RX Module
2 x IR Sensor Module	1 x Xbee Module
1 x PIR Sensor Module	1 x GSM SIM900 Module
1 x Humidity and Temperature Sensor	1 x 4x4 Matrix Keypad
1 x RGB Module	1 x 20x4 LCD
1 x Relay Module	1 x Arduino Module
1 x 10K Potentiometer	1 x Robot Module
1 x Passive Buzzer	1x Camera Module
1 x Natural Gas sensor Module	1x Magnetic Compass Module
1 x Remote Sensor Module	

Note: Specifications are subject to change.

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