Arduino IoT Bundle

SKU AKX00042 **Barcode** 7630049203914

The Arduino IoT Bundle is the best way to start exploring the world of connected devices using the Arduino Nano RP2040 Connect. Follow the 5 step by step tutorials to quickly learn how to build IoT devices.

Overview

Follow the 5 step by step tutorials we have prepared for you and combining the electronic components included in the bundle, you'll quickly learn how to build devices that connect to the Arduino IoT Cloud.

The 5 step by step tutorials are:

- I Love You Pillow
- Puzzle Box

- Pavlov's Cat
- The Nerd
- Plant Communicator

Tech specs

Each bundle includes:

- 1 Arduino Nano RP2040 Connect
- 1 micro USB cable
- 1 400-point breadboard
- 70 solid-core jumper wires
- 2 stranded jumper wire
- 6 phototransistors
- 3 potentiometers (10k ohm)
- 10 pushbuttons
- 1 temperature sensor (TMP36)
- 1 tilt sensor
- 1 alphanumeric LCD (16 x 2 characters)

- 1 bright white
- 28 LEDs (1 RGB, 8 red, 8 green, 8 yellow, 3 blue)
- 1 small DC motor (6/9V)
- 1 small servo motor
- 1 piezo capsule (PKM17EPP-4001-B0)
- 1 H-bridge motor driver (L293D)
- 1 optocouplers (4N35)
- 2 MOSFET transistors (IRF520)
- 5 capacitors (100uF)
- 5 diodes (1N4007)
- 1 male pin strip (40 x 1)
- 20 resistors (220 ohm)
- 5 resistors (560 ohm)
- 5 resistors (1k ohm)
- 5 resistors (4.7k ohm)
- 20 resistors (10k ohm)
- 5 resistors (1M ohm)

- 5 resistors (10M ohm)

FAQs

I plugged the board to my PC / MAC but I cannot see the serial port listed in the IDE, so I can't upload my sketch to the board!

- Make sure the foam that protects the boards' pins is removed.
- Try connecting the board with another USB cable.
- Try connecting the board to another USB port. If possible, avoid USB-hubs.

You can see more information and other things to try in this Help Center article.

Do I need to subscribe to the Arduino IoT Cloud to build the projects described in the tutorials?

No, all the projects can be built using the free plan of the Arduino IoT Cloud.
Click here to see what is included in the plan.

How to enable the 5V / VUSB pin?

The 5V pin is disabled by default. You can locate on the bottom of the board on the VBUS pin two pads, shorting these will enable 5V output. More info on this here.

Where can I find the step by step tutorials?

You can find the step by step tutorials at arduino.cc/iot-bundle