element14 IoT Learner Kit

Part number: PI3-IBM-IOT-LEARNKIT

IBM Watson IoT Platform makes it easy to model, simulate, and analyze fun projects such as a personal weather station or a face-detecting robot. Build and realize them on popular low-cost hardware platforms like Raspberry Pi 3®. Develop important career skills by using the same tools that professional engineers and scientists use every day.

Official Raspberry Pi power supply, ideal for use with any Raspberry Pi board. This power supply comes with 1.5m Micro USB lead and four changeable heads for use in the UK, Europe, Australia & US regions. It supports up to 2.5A of current which is plenty to power devices through the four USB ports on the board.

Kit contents

- Raspberry Pi 3
- 16GB microSD Card pre-loaded with Raspbian Image
- Sense HAT
- Power Supply
- Case

Features

Raspberry Pi 3 features

- Quad Core 1.2GHz Broadcom BCM2837 64bit CPU
- 1GB RAM
- BCM43438 WiFi and Bluetooth Low Energy (BLE) on board
- 40-pin Extended GPIO
- 4x USB 2 ports
- 4 Pole stereo output and composite video port
- Full size HDMI
- CSI camera port for connecting a Raspberry Pi camera
- DSI display port for connecting a Raspberry Pi touchscreen display

- Micro SD port for loading your operating system and storing data
- Upgraded switched Micro USB power source up to 2.5A

Sense HAT features

- Official Sense HAT from the Raspberry Pi Foundation
- 8x8 LED matrix display
- Accelerometer, gyroscope and magnetometer
- Air pressure sensor
- Temperature and humidity sensor
- Small joystick

Power Supply Features

- 1.5m Micro USB
- 4 changeable heads for use in the UK, Europe, Australia & US regions
- Current rating : 2.5A

Raspberry Pi Case features

- Designed to house the Raspberry Pi B , Raspberry Pi 2, Raspberry Pi 3 and HAT PCBs
- HAT can be removed without removing the Raspberry Pi from the enclosure
- All cut-outs are pre-cut into the case
- Camera ribbon slot in enclosure lid
- Display ribbon slot in enclosure lid
- Label recess on enclosure base
- Gloss finish