

LONG-RANGE WIRELESS STARTER KIT

ETS IoT® - LoRa IoT Kit V3



LPS 8 Multichannel Indoor Gateway



Flame Sensor



Relay Module



LDR Sensor



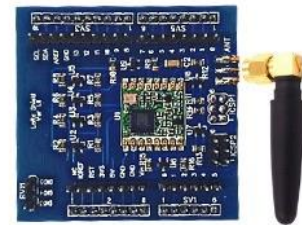
Buzzer Module



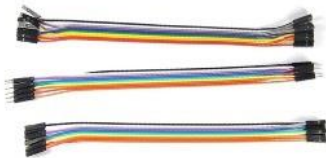
Ultrasonic Sensor



DHT 11 Sensor



ETS IoT LoRa Shield with Antenna - 2 Nos



M-M, F-F, M-F Jumper Wires



USB Adapter for Gateway



LED



USB Cable



Arduino UNO

Specifications

Long-range wireless starter Kit is pack of

- 1 x LPS8 Multi Channel LoRaWAN Gateway
- 2 x (LoRa Shield + Antenna + Arduino UNO + USB Cable)
- 1 x Flame Sensor
- 1 x Relay Module
- 1 x Photosensitive Sensor
- 1 x Buzzer
- 1 x Ultrasonic Sensor
- 1 x DHT11 Temperature and Humidity Sensor
- 10 x dupont wire (Male to Male)
- 10 x dupont wire (Female to Female)
- 10 x dupont wire (Female to Male)

LoRaWAN Multichannel Gateway

LoRa Spec:

- 1 x SX1308 + 2 x 1257 LoRa Transceiver

General Specification:

- 10M/100M RJ45 Ports x 1
- 1 x 2.4G WiFi (802.11 bgn)
- 1 x USB host port
- Power Input via USB Type-C: 5V, 2A

LoRa Shield

- 168 dB maximum link budget.
- +20 dBm - 100 mW constant RF output vs.
- +14 dBm high efficiency PA.
- Programmable bit rate up to 300 kbps.
- High sensitivity: down to -148 dBm.
- Bullet-proof front end: IIP3 = -12.5 dBm.
- Excellent blocking immunity.
- Low RX current of 10.3 mA, 200 nA register retention.
- Fully integrated synthesizer with a resolution of 61Hz.
- FSK, GFSK, MSK, GMSK, LoRaTM and OOK modulation.
- Built-in bit synchronizer for clock recovery.
- Preamble detection.
- 127 dB Dynamic Range RSSI.
- Automatic RF Sense and CAD with ultra-fast AFC.
- Packet engine up to 256 bytes with CRC.
- External Antenna via I-Pex connector