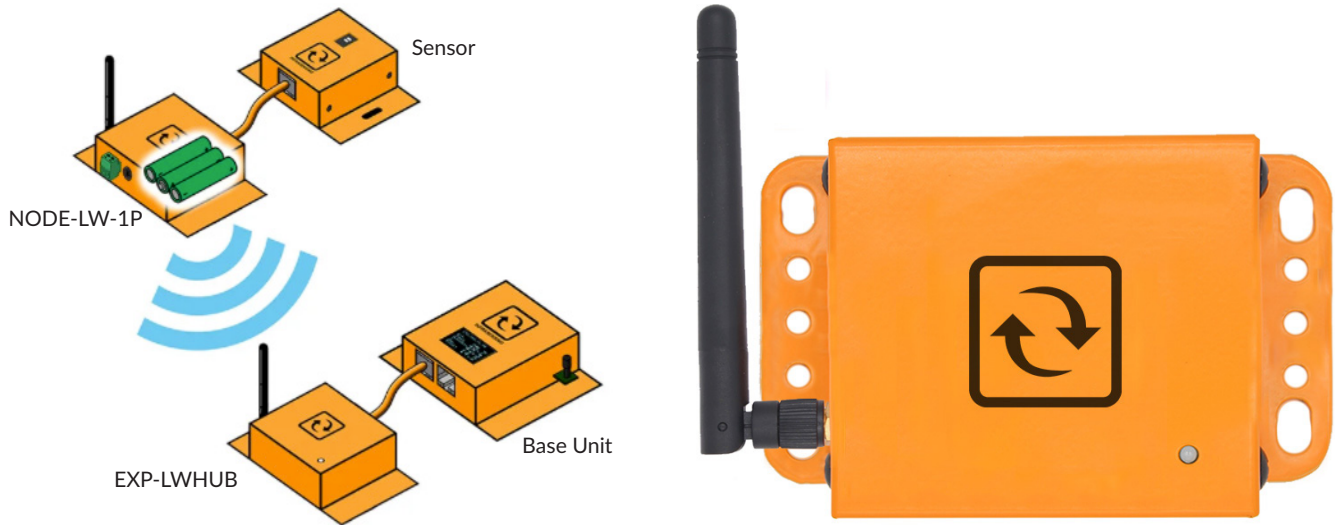




Wireless (LoRa) Hub (EXP-LWHUB)



General Description

Enable wireless communication between your sensors and the base unit for a distance of up to 2km (1.2 miles).

Key Features

- Plugs into the base unit (BASE-WIRED)
- Uses LoRa point to point communication protocol.
- Supports up to 20 sensor nodes.
- DIN Rail mountable with optional DIN Clips.
- Steel enclosure. Industrial grade.
- 1 wireless hub per base unit.
- FCC and CE certified.

Technical Specification

| | | |
|----------------------|--|--|
| Chipset | SX 1276 | |
| Power Source: | Power Adapter (BASE-PWR) | |
| Power Usage | 720 mW | |
| Current rating | 30-35 mA - Transmit mode 10-15 mA - Receive mode | |
| Max line of sight | 2km or 1.2 miles | |
| Frequency range | 400 - 1000 Mhz | |
| Regional frequencies | Common Name | Channel Plan |
| | EU 868 US 915 CN 779 EU 433 AU 915 CN 470 AS 923 KR 920 IN 865 RU 864 | EU 863-870 Mhz US 902-928 Mhz CN 779-787 Mhz EU 433 Mhz AU 915-928 Mhz CN 470-510 Mhz AS 923 Mhz KR 920-923 Mhz IN 865-867 Mhz RU 864-870 Mhz |

Environmental and Physical Specification

| | |
|----------------------------------|---|
| Operating temperature range | -55°C to +115°C (-67°F to +185°F) |
| Humidity (operating and storage) | < 90% rH (non-condensating). |
| Dimensions | 70 mm (2.75") x 95 mm (3.74") x 20 mm (0.78") |
| Weight | 0.15kg (0.33 lbs.) |