



## LoRa Connectivity Solution

The myinsight.io LoRa Gateway kit allows you to build your own fully functional long-range wireless network.

LoRa uses the licence-free 900 MHz ISM band to provide data connectivity as far as 15 km. Entire properties and even council regions can be covered by creating a mesh of multiple LoRa gateways.

LoRa has been developed specifically for the tiny message sizes used in sensor networks, allowing each gateway to support millions of messages per day.

This means the network can support hundreds of connectivity modules reporting every minute, or thousands of modules reporting every hour.

Installation is simple – just mount the gateway and antenna on a tall structure such as a Blackhawk Tower and connect it to your network via an Ethernet cable.

The LoRa Gateway can be powered by PoE (802.3af) or using an ordinary DC power supply (11 to 30 Volts).

If you're new to the technology Powertec can design your entire network, from backhaul connectivity through to unique farming and industrial solutions.

## SPECIFICATIONS

### Features

- \* Set up your own LoRa wireless base station
- \* No spectrum licence required (uses 900 MHz ISM)
- \* Build your own mesh network
- \* Up to 15 km coverage per gateway
- \* Can connect up to 1,000 sensors
- \* Process millions of messages per day
- \* Weatherproof for outdoor installation (IP67)\*
- \* Supplied with omnidirectional antenna kit