

# SUMS<sup>+</sup>

## LoRa VPN



### Product information

The SUMS LoRa VPN is a multi-radio logger system that offers a powerful, flexible and affordable solution for remote monitoring and automatic meter reading (AMR) of utility meters.

This innovative solution is ideal for high-rise residential, shopping centres, large-scale industrial, commercial offices and multi-tenanted business parks. The SUMS LoRa VPN solution is designed to help businesses gather reliable, accurate and timely utility data for:

- Sustainability / Net Zero goals
- GRESB reporting
- NABERS ratings.

### Key features

- Real-time wireless AMR
- 15-minute interval data
- Walk-up facia panel live meter readings
- Online live meter readings
- Monitoring of 1-8 utility meters from a single LoRa node



Designed  
in partnership with

 **Definium**  
Technologies

 **Australis**  
**M2M**



## Technical information

The SUMS LoRa VPN solution consists of a LoRa Gateway<sup>1</sup> that collects data from up to 100 1, 2, 4 or 8 pulse metering devices enabling the collection of data from up to 800 meters per gateway. Usage data can be sent directly to the SUMS portal via the integrated 4G wireless gateway, read manually via the fascia panel, or automatically forwarded in 15-minute timestamped intervals to a utility Retailer or 3rd Party for billing or analysis.

### SUMS LoRa Gateway

The SUMS LoRa Gateway is housed in an electrical enclosure with battery backup, antennas and power supply.

Key features:

- Embedded LoRa Server
- 4G Gateway
- Ethernet Port for use as WAN connection in lieu of cellular or for local interface
- High-Gain 920mhz LoRa Antenna
- SMA antenna connectors for both LoRa and cellular antennas
- Replaceable backup battery
- Support for up to 100 end nodes/800-meter points

### SUMS LoRa End Nodes

Four types of LoRa end nodes are currently supported, catering for 1, 2, 4 or 8 pulse inputs.

Key features:

- 1, 2, 4 or 8 pulse inputs
- Maximum 1kHz pulse frequency
- Configurable send/RF Period
- 3 x 1.5 V Lithium batteries, replaceable
- 5+ years battery life at 30-minute RF period and suitable signal conditions
- Activation/reset by magnet
- OTAA activation or reset by magnet swipe

### Standards

All items used comply with Australian EMC regulations for A-TICK Certification.

## More information

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