LoRaWan, WiFi, NB-IoT 4G and SigFox Connectivity Module

myinsight.io

anything, anywhere, anytime

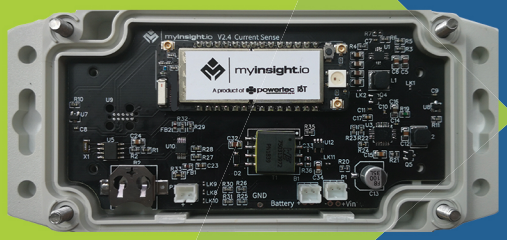

Image is indicative only and will depend on the application and final solution chosen.

Connects to virtually any sensor

This revolutionary product connects to virtually any sensor for monitoring, metering and control presenting the live information to a dashboard via LoRaWAN, WiFi, NB-IoT/4G and BLE. Initially developed for the myinsight.io dashboard it can be used by any vendor for sensor connectivity to their platform.

Each Connectivity Module is capable of connecting to a diverse range of third-party monitoring, control, and metering devices through interfaces including:

- Extended battery life
- Built in MPPT solar charge controller
- Lithium battery and charger
- Multiple input/output voltage controls
- Clock function for scheduled readings

The myinsight.io Connectivity Module covers as standard the approved frequencies for Australia and NZ.

SPECIFICATIONS

Features

Designed for outdoor use: IP67 rated, weather, water, dust and UV resistant

Operational Expectancy:

Operational life in excess of 5 years (depending on sensors used and reporting frequency).

Network Options

LoRaWAN:	AS915, AS923 Public and Private
WiFi:	802.11g/g/n 16Mbps, 1Km range
NB-IoT/Cat M1 LTE:	Covers all LTE-M Bands, supports M1/NB1
Bluetooth V4.2:	Low energy and Classic
SigFox:	RCZ4 920-922MHz

Interface Protocol Support

- RS-232
- RS-485
- SDI-12
- Modbus
- Modbus over IP
- 3 Wire Sensor
- I2C Sensor 4-20mA
- Cambus
- DI/DO
- Wifi 802.11 b/g/n
- RFID
- Location Services

Battery Power Supply (if required)

Internal 3.6V primary lithium-thionyl chloride battery (17A/hr), or External 3.3V supply (±0.2V, 500mA)

Warranty: 2 years
The Connectivity Module has been designed, built and manufactured by the Powertec IoT Division of Powertec Telecommunications P/L. Patent pending.

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