

Wireless Temperature, Humidity & Light Sensor

The wireless Room Sensor offers a cost effective solution for a variety of applications.

Periodic or event driven transmissions, Change of Value (COV) and with real time clock (RTC) for basic data-logger functions.

Its reliable and low power design allows a battery operation up to 10 years without any maintenance.



MAIN FEATURES

- Redundant Dual Sensors
- Temperature, Humidity
- Light Measurement
- OTA & Remote configuration
- Powered by 2 Lithium Batteries
- Up to 10 years operation with low battery alert
- EU868, AS923, AUS915 und US95 compliant

VERSIONS

- As Air Quality Sensor
- Carbon Dioxide (CO₂) & Volatile Organic Compounds (VOC)

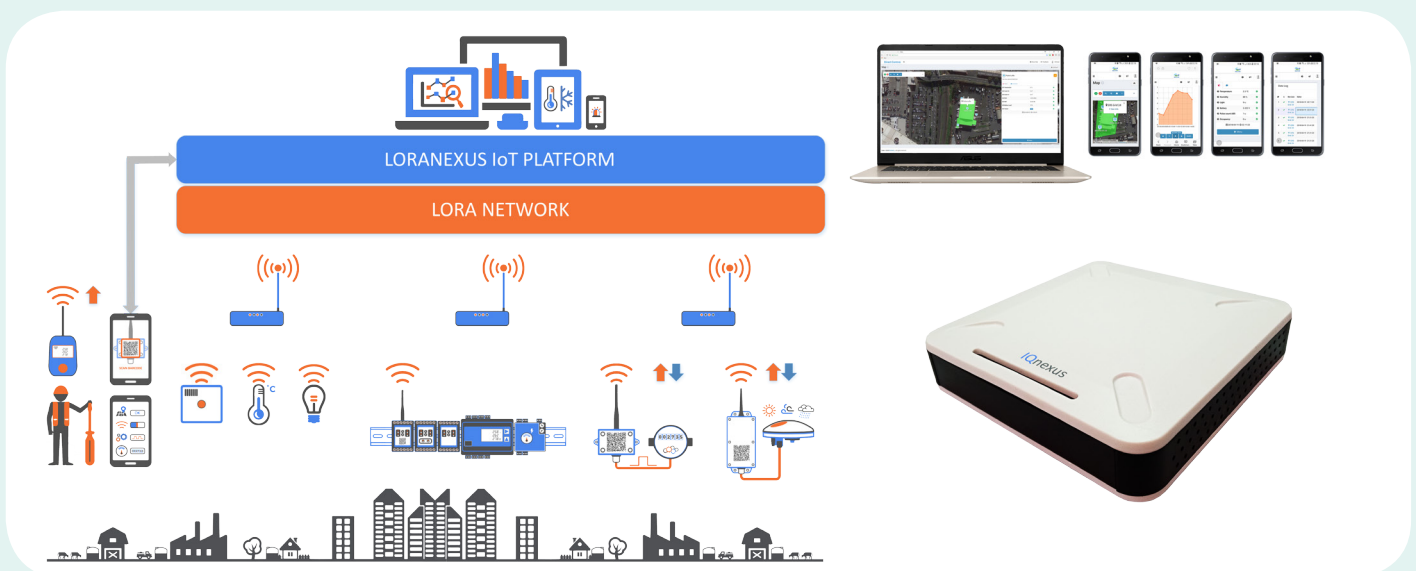
RADIO COMPLIANCE

- RCM mark for AUS/NZ
- AS/NZS 4268, AS/NZS CISPR
- Frequency Range 850-928 MHz



CONFIGURATION

Configuration via the LoRaWAN network of, periodicity, real-time-clock and data encryption. Event based, Change of Value or periodic transmission.



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Features

Model Name	SEN-ROOM
Frequency Band	EU868, AS923, AUS915 und US915 (other frequencies on request)
Transmission Range	Urban environment radius up to 10 km
WAN Protocol	LoRaWAN 1.0.2
Modulation	Based on LoRaWAN
RF Transmitter	SX1276
Receive Sensitivity	-140 dBm
Operating Temperature	-40°C ~ 60°C
Storage Temperature	-20°C ~ 60°C
Sensors	Built in probes for Temperature, Humidity & Light
Power Voltage	3.6 V Nominal
Battery	2 non rechargeable Lithium Batteries
Antenna Type	Internal Antenna
Ingress Protection	IP64 indoor
Dimensions	L 118mm x W 118mm x H 33mm
Weight	80 g (145 incl. Batteries)
Mounting	Wall mounted