

Wireless ModBus Master Transceiver

Ready-to-use wireless transceiver for external, industrial ModBus devices and probes. External DC power supply or different configurations of internal lithium batteries in the two larger enclosures.

The transceiver acts as a ModBus Master and polls the connected slaves. Interacts with LORANEXUS creating virtual ModBus IP devices with an address range of 1-255. No bridging required. Works over public and private LoRaWAN networks.



MAIN FEATURES

- Acts as ModBus Master, LoRaWAN Class-A
- Up to 8 Slaves per Transceiver
- Creates Payload with Register values
- Interacts with LORANEXUS
- Free Mapping of Registers on LORANEXUS
- External powered or internal batteries
- Power Management for external probes

VERSIONS

For ModBus Devices with defined Mapping. Power & Energy Meters, Ultrasonic Level, Input-Output Modules

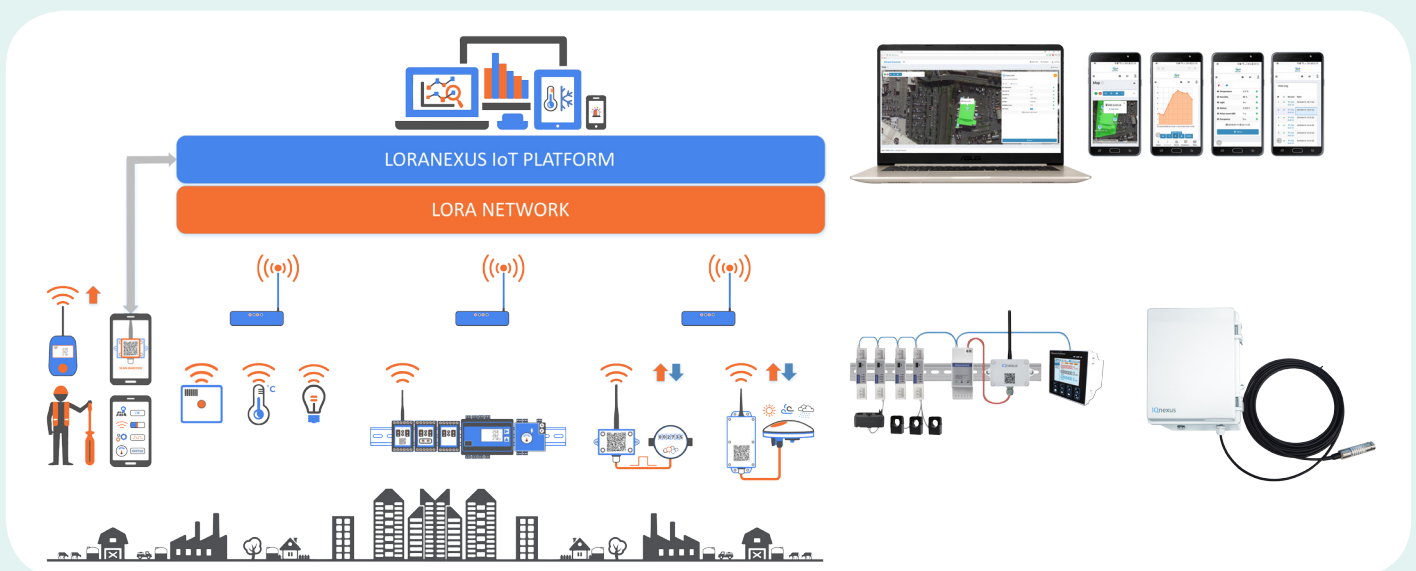
RADIO COMPLIANCE

- RCM mark for AUS/NZ
- AS/NZS 4268, AS/NZS CISPR
- EU868, AS923, AU915 & US915



CONFIGURATION

Configuration via the network of ModBus Mapping, periodicity and data encryption. Event based or periodic transmission.



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Features

Model Name	SEN-MODBUS
Frequency Band	EU868, AS923, AU915 & US915 (other frequencies on request)
Transmission Range	Urban environment radius – 10 km
WAN Protocol	LoRaWAN 1.0.2
Modulation	Based on LoRaWAN™
RF Transmitter	SX1276
Receive Sensitivity	-140 dBm
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 60°C
Sensors	External ModBus Devices and Probes
Power Voltage	12-24 VDC - External Power Supply or up to 6 Lithium Batteries
Battery	Optional up to 6 non rechargeable Lithium batteries
Antenna Type	External SMA or internal antenna
Ingress Protection	IP64 to IP67 depending on enclosure
Dimensions	Depending on enclosure
Weight	Depending on enclosure
Mounting	Flanged box mounted with 2 or four screws