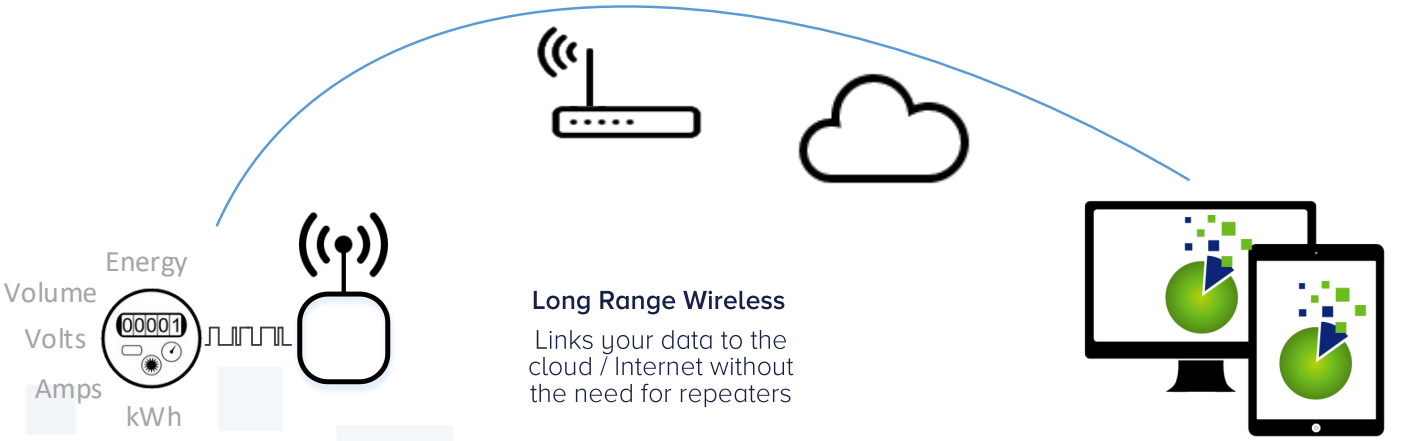
enLink

enLink *Modbus*

enLink Modbus instantly converts wired Modbus devices such as energy meters and sensors to LoRa long range wireless. Any device with a wired Modbus RS485 interface can be read. Modbus register values are transmitted to the cloud, or remote Modbus IP server (enLink Hub), using long range LoRa wireless where the device data can be displayed and analysed.

end to end from measurement to analysis



Modbus meter / sensor
Modbus interface with long range LoRa wireless

Long Range Wireless
Links your data to the cloud / Internet without the need for repeaters

Analysis
Visualise and analyse your data using enVision on desktop or mobile

Modbus data is sent to the cloud / Internet via long range LoRa wireless. Data can be analysed using Synetica's enVision energy platform or other third party Internet connected applications.

enLink

Long range wireless Modbus

enLink Modbus enables wired Modbus slave devices, such as energy meters and environmental sensors to communicate via LoRaWAN wireless.

Long range LoRa wireless transmits the data for up to 16 km with deep in building penetration of 1—2 km without repeaters.

Data can be received by any LoRaWAN compliant gateway to forward data to the Cloud where it can be analysed using enVision or third party applications.

When combined with enLink Hub, data from Modbus devices can be transferred over LoRa wireless to enLink Hub which can then make the data available as Modbus IP registers, CSV file export or MQTT.

Data from up to 60 Modbus registers can be transmitted per enLink Modbus unit. For example, kWh readings (32 bit) from 30 individual meters.

All parameters including Modbus configuration, Modbus device readings, wireless signal strength and wireless network configuration can be viewed and set remotely over the LoRa wireless or locally using simple menus via any USB enabled host such as a PC or Mac.

LoRa™

Modbus

- Up to 60 Modbus registers per enLink Modbus unit
- Modbus RTU RS485.
- 2-part Screw terminals, 2 RS485 connectors
- Configured via USB or via LoRa wireless network

Long range LoRa wireless

- Up to 16 km range
- Deep in-building penetration 1—2 km
- LoRaWAN compliant

Simple setup

- Powered from 12—24 Volts DC (150mA Max)
- Signal strength indicator
- Modbus communications indicator
- Full configuration and monitoring via USB & LoRa

Contact Us

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