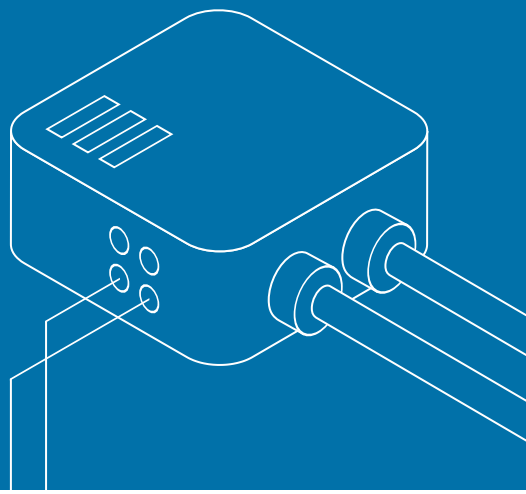
cThings®

Modbus-LoRaWAN

Helping make your devices smart

Our Modbus to LoRaWAN converter allows you to send and receive data from Modbus enabled devices remotely. Helping you integrate previously unconnected devices to your LoRaWAN Network.



Introducing the cThings® Modbus to LoRaWAN Converter

Our Modbus to LoRaWAN Converter enables you to remotely monitor and control Modbus devices. Using the LoRaWAN Converter you can interface with any Modbus enabled device to remotely read and configure registers. This way you can continuously read data and update parameters.

The Modbus to LoRaWAN Converter can also be used to detect and alert maintenance providers to possible faults, allowing for issues to be resolved without the need for site visits or the interruption of supply to customers.

Through our cThings Cloud API you can interact and collect data from your Modbus devices, allowing you to connect any device to your LoRaWAN network and interact with them, from anywhere in the world.

FEATURES

- Instantaneous control
- Long-range (deep building penetration)
- End-to-end security
- Read and write to any Modbus register
- Agnostic to device or meter
- Ability to interface via Modbus to a whie range of products
- User role configurable access
- Bi-directional communication

BENEFITS

- Pro-actively monitor and undertake remote maintenance
- Remote meter reading
- Remote control devices and machines
- Remotely configure and control Modbus enabled equipment
- Reduce the need for engineers visits
- Real-time fault alerts

Call us on +44 (0) 1223 944118, email info@cthings.io or visit cthings.io

Revision 1
February 2023

Modbus to LoRaWAN Conveter Specifications

Modbus-LoRaWAN

PRODUCT CODE

Modbus to LoRaWAN Converter	2001400

COMMUNICATIONS

Protocol	LoRaWAN 1.0.3 Compliant
Frequency	EU863-870
Transmit Power	14 dBm
LoRaWAN Features	Class C, OTAA, ADR
Modbus	One Modbus slave

ELECTRICAL

Nominal voltage	110-240 VAC (+/- 10%)
Frequency	50/60 Hz
Max. Power Consumption	Less than 2.5 W
Power Consumption	Less than 1 W (nominal)
Installation Category	CAT3

MECHANICAL

Dimensions (W x H x D)	120 x 110 x 40 mm
Protection class	IP 40
Terminal connections	3 mm

ENVIRONMENTAL

Operating temperature	0°C to 45°C
Storage temperature	0°C to 45°C
Usage environment	Indoors
Relative humidity	20% to 80% RH non-condensing

CERTIFICATIONS

Safety Compliance	EN 61010-1
EMC Compliance	EN 60730-1, EN 55032 & EN 55014-1 Residential

IMPORTANT

— For optimal performance regular maintenance, servicing and active network management must be undertaken