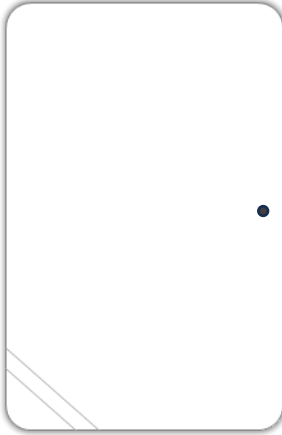# Converter Datasheet

## Product Description

IoT Converter can read up to 32 Modbus RTU devices and support Modbus transparent transmission, serving as a converter from Modbus RS485 to LoRaWAN®. Designed for remote control and data acquisition, it supports multiple trigger conditions and actions, and can work autonomously even when the network is unavailable.
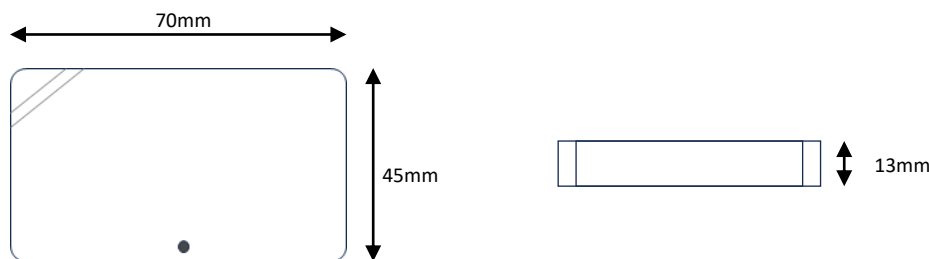
## Product Features

- Supporting reading 32 Modbus registers and connecting up to 32 Modbus devices.
- Ultra-wide-distance transmission up to a line of sight of 15 km.
- Multiple triggering conditions and actions Embedded watchdog for device stability.
- Storing 1000 historical data locally and supporting retransmission to prevent data loss.
- Supporting D2D protocol to enable ultra-low latency and direct control without a LoRaWAN® gateway.
- Compliant with standard LoRaWAN® gateways and network servers.

## Product Dimensions

**Unit: mm**

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# Converter Datasheet



70mm

45mm

13mm

## ☀ Specifications

| | |
|---|---|
| **Antenna** | Internal |
| **Frequency** | CN470/IN865/EU868/RU864/US915/AU915/KR920/AS923-1&2&3&4 |
| **Tx Power** | 16dBm (868 MHz)/22dBm (915 MHz)/19dBm (470 MHz) |
| **Sensitivity** | -137dBm @300bps |
| **Mode** | OTAA/ABP Class C |
| **Data Interface** | 1 × RS485 |
| **Connector** | 3.5 mm Terminal Block |
| **Baud Rate** | 1200~115200 bps |
| **Protocol** | Modbus RTU, Passthrough |
| **Power Supply** | 1. 5-24 VDC by Terminal Block<br>2. 5 VDC by Type-C P |
| **Power Consumption** | < 0.5 W |
| **Operating Environment** | Temperature Range:  -20°C ~ 60°C ;<br>Humidity Range: 0% ~ 95% RH (non-condensing) |
| **IP Rating** | IP 30 |
| **Dimensions** | 70 × 45 × 13 mm |

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