Water Meter Retrofit Module

Make: EnthuTech
Brand: ETS IoT
Model: ETS IoT - WM

Salient Features:
- o LoRaWAN 1.0.3 Class A
- o Frequency Band: IN865
- o Ultra-low power consumption
- o Support multiply RS485 devices by flexible rules
- o Support Modbus protocol
- o Support Pulse/ Interrupt uplink (Optional)
- o Supports connecting UART sensors with 3.3V or 5V
- o Support Bluetooth v5.1 and LoRaWAN remote configure
- o Support wireless OTA update firmware
- o AT Commands to change parameters
- o Uplink on periodically
- o Downlink to change configure
- o IP67 Waterproof Enclosure

Hardware Specifications:
- o ARM microcontroller with 256KB flash and 64KB RAM
- o +5v controllable output
- o 1 x RS485 Interface
- o 1 x Pulse Input Interface

Power Supply Provisions (Optional to Select):
- o 8500mAh Li/SOCl2 Non-Rechargeable Battery
- o Solar panel + 3000mAh Li-Ion battery
- o 230VAC Power + 2600mAh Li-Ion Battery

Operating Temperature Ratings:
- o Operating Temperature: -40 ~ 85°C

Accessories:
- o Can be provided on request

Applications:
- o Interface with RS485 or Pulse Output Water Meter

Product Certification and Compliances:
- o WPC, CE, IEC 61131-3:2013, IEC 61131-5:2013, ISO/IEC 14882:1998, ISO/IEC 17025:2017

Product Overview:

The ETS IoT – WM is a LoRaWAN Water Meter Retrofit Module used to Interface Water Meter with RS485 Modbus Output (or) Pulse Output. It will send the RS485 Modbus supported parameters (or) accumulated pulse count to the server.

ETS IoT - WM runs standard LoRaWAN 1.0.3 in Class A. It can reach a long transfer range and is easy to integrate with any LoRaWAN-compatible gateway and IoT server.

For data uplink, ETS IoT - WM sends user-defined commands to RS485 devices and gets the return from the RS485 devices, and processes these returns data according to user-defined rules to get the final payload and upload to the LoRaWAN server. For Pulse Output User Can gets the accumulated pulse count based on the periodical Interval.

ETS IoT - WM Supports BLE configuration and wireless OTA update which makes users easy to use.

This has multiple power supply options as specified. The above image shown is Solar Power version based on Power supply selection product image may vary.

Enthu Technology Solutions India Pvt Ltd
Plot No. 32, PMR Layout, 5th Street - Block B,
Deepa Mill Road, Goldwins, Civil Aerodrome Post,
Coimbatore, Tamil Nadu, India - 641014

info@enthutech.in   www.enthutech.in