Product Brief

RS485-LoRa Converter

Model: LAC-485

Ver.:1.0.0

LAC-485 is a industrial IoT RS485 (ModBus) to LoRa Converter. The LoRaWAN LAC-485 collects data from any ModBus RTU existing equipment and connect these devices to a public or private LoRaWAN network. The coverter has the capability to change the behavior of the ModBus device by writing into its registers..

Product Features:

- LoRa Technology
- Long range transmission
- Frequency range: 863~932MHz
- Plug and Play
- Easy setup
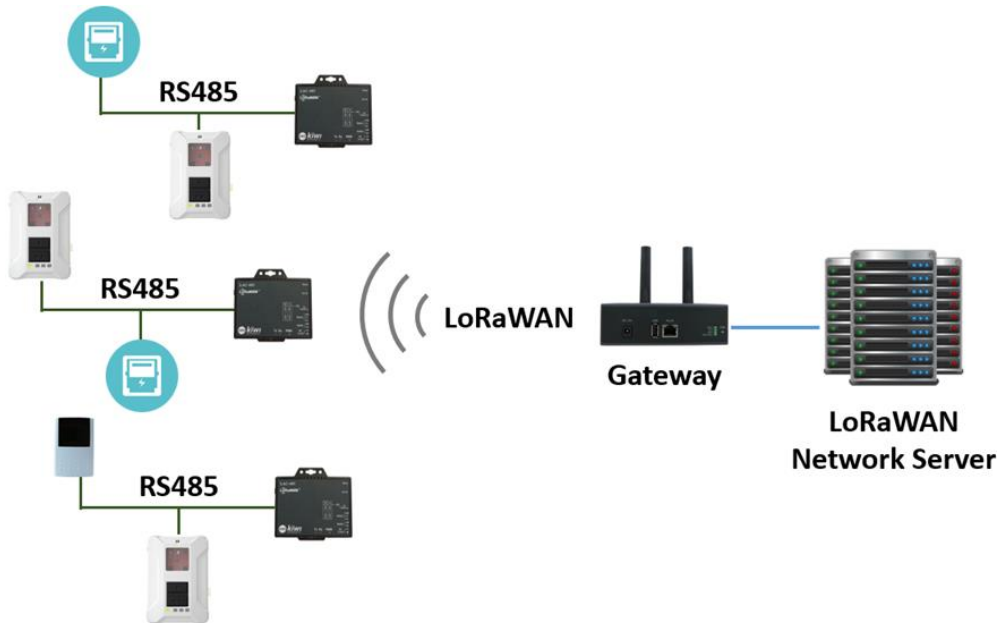- Response quickly
- RS232/RS485 Interface

Application :

- Monitoring and control of ModBus slave equipment via a LoRaWAN network : inputs, outputs, electrical machines, measuring equipment ...

Key Features :

- LoRaWAN, Class A/C
- Easy to use and deploy
- Management of all the variables (read and write) of a ModBus RTU slave equipment via a LoRaWANTM network

LoRaWAN Mode

Product Specifications:

Parameter	Value
Lora Module	Kiwi TLM 922S
Frequency	863~ 932MHz
Sensitivity	Up to -138dBm
TX Power	+2 ~ +20dBm
Data Rate	0.292 ~ 21.875Kbps
Serial Port RS232	Half duplex Baud Rate 9600, 19200, 38400, 57600, 115200
Serial Port RS485	Half duplex Baud Rate 9600, 19200, 38400, 57600, 115200
Input Power	Terminal Block: +5V ~ +24V Micro USB: +5V
Operate Temperature	$0^{\circ}C \sim 50^{\circ}C$
Dimensions	89mm x 68mm x 27mm
Weight	82+-5g