Product Brief

Analog-LoRa Converter

Model: LAC-140V1

Ver.:0.9.5

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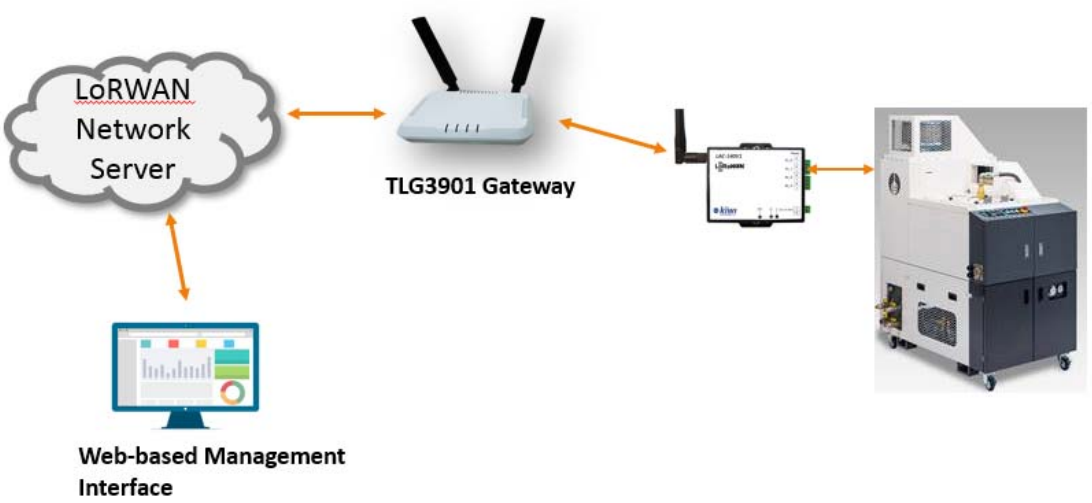
LAC-140V1 is an industrial IoT Analog-to-LoRa Converter. The wireless communication is via LoRa wireless technology, and LoRaWAN protocol. This device can be connected to an analog sampling interface device, and the sampling current and voltage range are 4-20mA and 0-10V respectively. The analog sampling cable, bare line white is the ground line; red one is the analog sampling interface line.

Product Features:

- LoRa Technology
- Long range transmission
- Plug and Play
- Easy setup
- Frequency range: 863~932MHz

Application Scenario:



Product Specifications:

Parameter	Value
Lora Module	Kiwi TLM922S
Frequency	863~ 932MHz
Sensitivity	Up to -138dBm
TX Power	+2 ~ +20dBm
Data Rate	0.292 ~ 21.875Kbps
Input Power	Terminal Block: +9V ~ +24V
Communication protocol	LoRaWAN Class C
Operating Temperature	-10°C ~ 70°C
Storage Temperature	-20°C ~ 70°C
Dimensions	89mm x 68mm x 27mm
Weight	82+-5g

Analog Interface Specifications:

Parameter	Value
Sampling voltage range	0~10V (channel AI_0 and channel AI_1)
Sampling current range	4~20mA (channel AI_2 and channel AI_3)
Digit	16bits
Cable length	1m or 2m

Analog Sampling Cable Specifications : UL2464 24AWG double shield cable (option)

Product no	core	structure	Insulation thickness (mm)	Insulation diameter (mm)	Jacket thickness (mm)	Outside diameter (mm)
IB02102	2C	7C/0.2MM	0.25	1.1	0.8	4.3

Dimension: