

ACCUIOT LORA NODE



Version:1.0

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RD Manager

A handwritten signature in black ink, appearing to read 'Zevin', is written over the 'RD Manager' text.

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AccuIoT Lora Node

Features

- Long Range Wide Area IoT application
- Low power consumption for battery power applications
- LoRa Private protocol for closing system application
- IP67 waterproof case available
- Connect to industry standard analog or digital sensors

Specification

Power

Internal (2) 1.5V AA batteries

External Input 5 VDC Voltage (micro USB connector)

Mechanical

Physical Connection pluggable Connector,

Sensor Inputs Analog Input (0 ~ 5 VDC, 0 ~ 10 VDC, 4 ~ 20 mA),

Digital Input(Dry contact), Integrated Temperature, Thermocouple K Type, PT100, NTC

Digital Output (0 ~ 30 VDC)

External Antenna SMA, Omnidirectional, 3 dBi, 900~922MHz, Dimensions 123 mm

Option Enclosure IP67-rated, ABS

Weight 0.75 lbs (0.34 kg)

Technology

Wireless LoRa Private 868/915MHz

Environmental

Installation Indoor or outdoor

Operating Temperature -20 to 70 °C

Storage Temperature -40 to 70 °C

Operating Humidity 0 to 90% Non-condensing

Analog Inputs

Input ranges 0 ~ 5 VDC, 0 ~ 10 VDC, 4 ~ 20 mA

Resolution 16 bit

Accuracy Voltage: 0.10% of full scale reading, 0.20% max.

Current: 0.1% of full scale reading, 0.2% max.

Thermocouple Input

Types Supported K

Ranges Supported Type K -270 to +1,372 °C

Resolution 0.1 °C

Accuracy +/- 0.2 %,

PT100 Input

Ranges Supported : -200 ~850C

Resolution 0.1 °C

Accuracy +/- 0.2 %

NTC Input

Ranges Supported : -40 ~120C

Resolution 0.1 °C

Accuracy +/- 0.2 %

Digital Inputs

Dry contact

Low : close to GND

High : Open

Digital Outputs(Relay output)

Contact rating 0.5A/125 VAC, 2A/30VDC

Output Type – relay output

RS485 communication enable