

DATASHEET

Wireless Temperature and Humidity sensor – Cabled Probe

LORA281110-TH-S31LB-EU868

Name	LORA281110-TH-S31LB-EU868	
		
	Wireless Battery Powered Temperature and Humidity Sensor The LORA281110-TH-S31LB-EU868 is a wireless battery powered Temperature and Humidity Sensor for Internet of Things solution. It is used to measure the surrounding environment temperature and relative air humidity precisely, and then upload the data to the on-premises iQunet Edge (IPC) Server for direct use of data over OPC UA, MQTT or GraphQL API. The temperature & humidity sensor probe provides fully calibrated, linearized, and temperature compensated digital output with a strong reliability and long-term stability. The probe is connected with a 3m cable to the wireless node in a waterproof anti-condensation casing for long term use.	
Product specifications		
Probe	Temperature Sensor: - Range: -40 to + 80°C - Accuracy: ± 0.2 @ 0-90 °C - Resolution: 0.01°C - Long Term Shift: <0.03 °C/yr Humidity Sensor: - Range: 0 ~ 99.9% RH - Accuracy: $\pm 2\%$ RH (0 ~ 100%RH) - Resolution: 0.01% RH - Long Term Shift: <0.25 %RH/yr	
Power	Replaceable un-chargeable Li-SOCI2 battery Capacity: 8500mAh Self-Discharge: <1%/year @25°C	
Wireless data transfer	Frequency plan:	EU868
	Interface:	LoRaWAN EU868MHz
	Data type:	Measurements, time synchronization, diagnostic / configuration
Physical	Dimensions node:	115 x 65 x 47 mm excl. antenna, excl. mounting feet
	Antenna height	108mm
	Probe:	68 x Ø18 mm
	Cable length probe:	3 meter (cut to length on demand)
	Mounting node:	3 mounting feet Ø5mm
Conformity	Certification:	CE

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Product Usage

iQunet.® Edge - LoRaWAN sensor

Temp. / Humidity



Use case:

- Remote Monitoring
- Environmental Quality Monitoring

Contact us: info@iQunet.com

