

UC11-T1

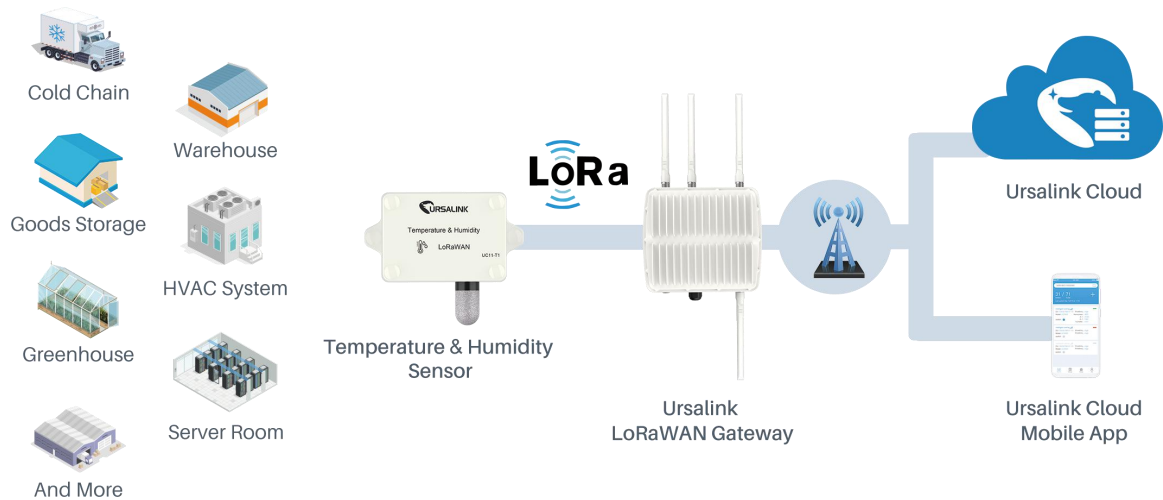
Temperature & Humidity Sensor



► Features

- Robust LoRa connectivity for continuous temperature & humidity monitoring in harsh environments
- IP65 rating waterproof
- 11km communicate range
- LoRaWAN v1.0/v1.0.2
- Ursalink Cloud compliant
- 5-Year battery life
- Replaceable battery

Application Example



Specifications

LoRaWAN	
Frequency	EU433/CN470/IN865/EU868/US915/AU915/KR920/AS923
Tx Power	20dBm
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP Class A
Measurement	
Temperature Range	-40°C to +70°C
Temperature Accuracy	±0.3°C from 0°C to +70°C, ±0.6°C from -40°C to 0°C
Humidity Range	0% to 100% RH
Humidity Accuracy	±3% RH from 10% to 90%, ±5% RH below 10% and above 90%
Physical Characteristics	
Operating Temperature	-40°C to +70°C
Relative Humidity	0% to 100% (non-condensing)
Dimension	111 × 92 × 33 mm (4.3 × 3.6 × 1.3 in)
Weight	147 g
Power Input	8000mAh replaceable Li-SOCL2 battery