**UC11-T1**

**Temperature & Humidity Sensor**

- 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

- Cold Chain
- Warehouse
- Goods Storage
- Greenhouse
- HVAC System
- Server Room
- And More

## Specifications

<table>
<thead>
<tr>
<th>LoRaWAN</th>
<th>EU433/CN470/IN865/EU868/US915/AU915/KR920/AS923</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tx Power</td>
<td>20dBm</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>-147dBm @300bps</td>
</tr>
<tr>
<td>Mode</td>
<td>OTAA/ABP Class A</td>
</tr>
</tbody>
</table>

### Measurement

- **Temperature Range**: -40°C to +70°C
- **Temperature Accuracy**: 0°C to +70°C (+/- 0.3°C), -40°C to 0°C (+/- 0.6°C)
- **Humidity Range**: 0% to 100% RH
- **Humidity Accuracy**: 10% to 90% RH (+/- 3%), below 10% and above 90% RH (+/- 5%)

### 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