

UC11-N1

Sensor Node

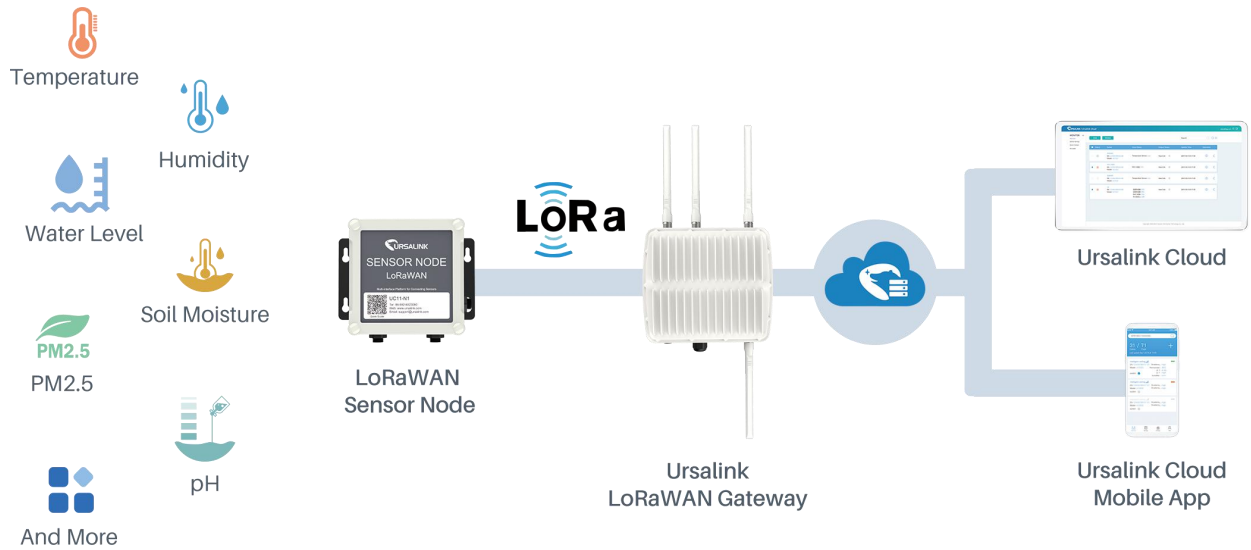
Multi-interface Platform
for Connecting Sensors



► Features

- IP67 waterproof for harsh environments
- Multiple interfaces including serial and I/O
- Up to 11km communicate range
- Standard LoRaWAN v1.0/v1.0.2 protocol support
- Ursalink Cloud compliant
- Multiple power supply option: battery, DC or solar
- 5 years life under LoRaWAN Class A mode

Application Example



Specifications

LoRaWAN	
Frequency	EU433/CN470/IN865/EU868/US915/AU915/KR920/AS923
Tx Power	20dBm
Sensitivity	-147dBm @300bps
Mode	OTAA/ABP
Interface	
Interface 1	2 × GPIO, 1 × RS232/RS485 (switchable), 1 × 3.3 V output, 1 × 5/9/12 V output switchable
Interface 2	2 × Analog input (4-20mA or 0-10V switchable), 1 × 3.3 V output, 1 × 5/9/12 V output switchable
Physical Characteristics	
Operating Temperature	-20°C to +70°C
Ingress Protection	IP67
Dimension	120.1 × 120.1 × 55.4 mm (4.73 × 4.73 × 2.18 in)
Power Input	1. 19000mAh replaceable Li-SOCL2 battery 2. 5-24 VDC with 5000mAh battery backup

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