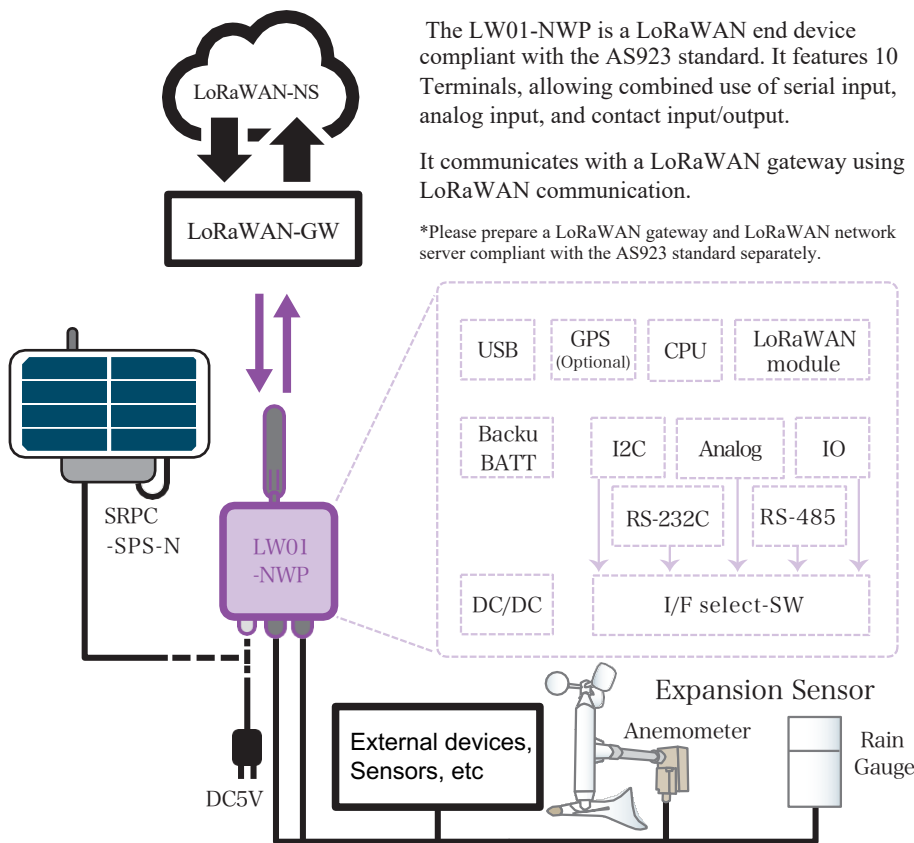


LW01-NWP

A LoRaWAN end device equipped with various external interfaces.

- Compliant with LoRaWAN specifications. (The module itself has obtained technical compliance certification. No license application is required.)
- Interface supporting analog, serial, and contact inputs.
- Backup power (2 AAA batteries) enables transmission of sudden power outage information.
- Using the SRPC-SPS-N (Solar Power Supply), enabling use in areas without power.
- Device settings can be changed online.

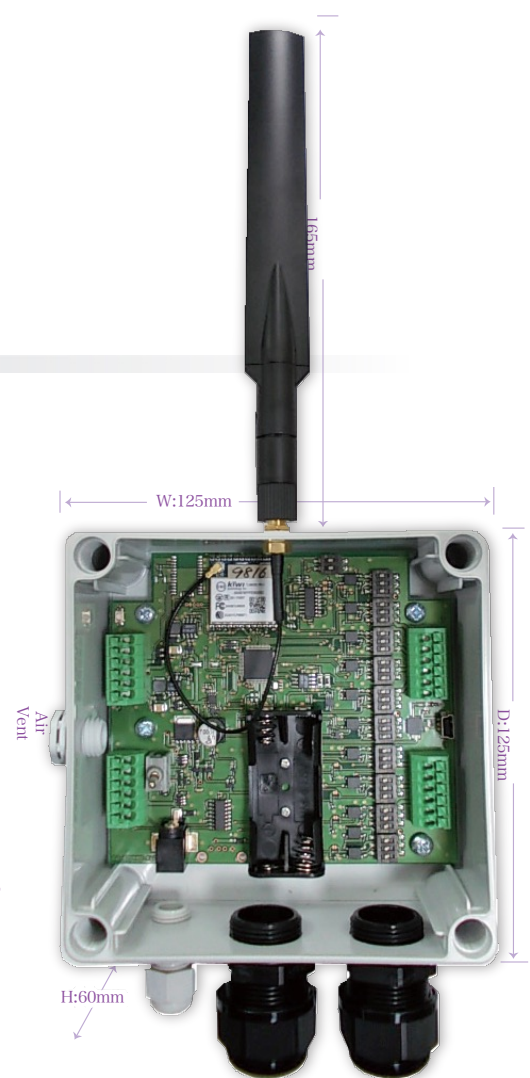
Configuration Diagram



The LW01-NWP is a LoRaWAN end device compliant with the AS923 standard. It features 10 Terminals, allowing combined use of serial input, analog input, and contact input/output.

It communicates with a LoRaWAN gateway using LoRaWAN communication.

*Please prepare a LoRaWAN gateway and LoRaWAN network server compliant with the AS923 standard separately.



Integration with the SRPC Series

The LW01-NWP mounts a port for serial communication with the SRPC Series, enabling it to transmit sensor data acquired by the SRPC to a LoRaWAN gateway.

* Sensor data from the SRPC is output via serial communication at one-minute intervals and transmitted at the configured transmission interval.

Additionally, it can be used in locations without power by receiving power supply from devices like the SRPC-SPS-N.

Electrical Specifications ;

Transmission Frequency	923.2 to 928.0 MHz	Current Consumption
Transmit Channels	6 channels	Approx. 10mA (5V) Standby
Channel spacing	125kHz	Approx. 25mA (5V) during transmission
Transmit power	20mW	Approx. 10µA (3V) during sleep
Transmission speed		Operating Temperature -20 to 70°C(no Condensation)
5470bps (Maximum 242 bytes) / 11000bps (Maximum 242 bytes)		LoRaWAN Specification
1760bps (Maximum 53 bytes) / 3120bps (Maximum 125 bytes) /		LoRaWAN ver1.1 for AS923MHz ISM Band
Power Supply Voltage		Input/Output Terminal 1985234 (Phoenix) <AWG16
Main power supply: 5V DC DC-JACK Φ2.1mm (center positive)		Maintenance Port mini-USB-TYPE-B
Backup Power Supply (2 x AAA batteries) 2.6~3.6V DC		Case Dimensions 125mm × 125mm × 60mm (excluding protrusions)