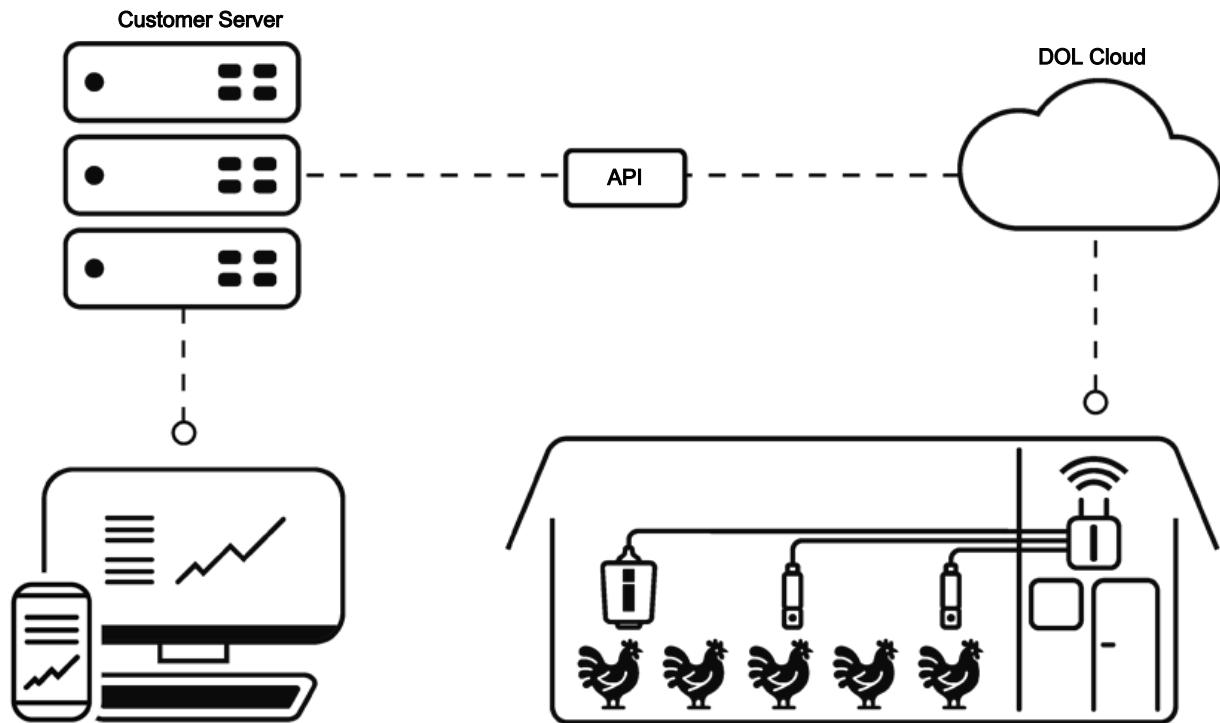


iDOL 64 LoRa Gateway Service WebUI



1 Product description

idol 64 gateway service WebUI is a web page that can help installers set up or troubleshoot installation. It allows you to connect directly to the gateway from a PC and view sensor/modem signal strength and measurement values from the connected sensors.



2 User guide

To access the WebUI page, follow these steps:

1. Connect the ethernet cable between the LAN port on the Gateway and the PC.
2. Turn on the Gateway.
3. Wait approximately 1 minute.
4. Open a web browser on the PC and type in the address bar:
idolgw.local:1880 or 192.168.0.1:1880.

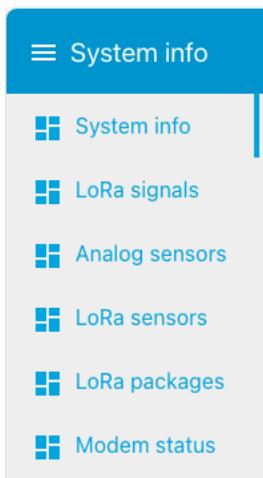
The Gateway assigns IP address (DHCP) and shares Internet with all devices connected via ethernet, such as PC.



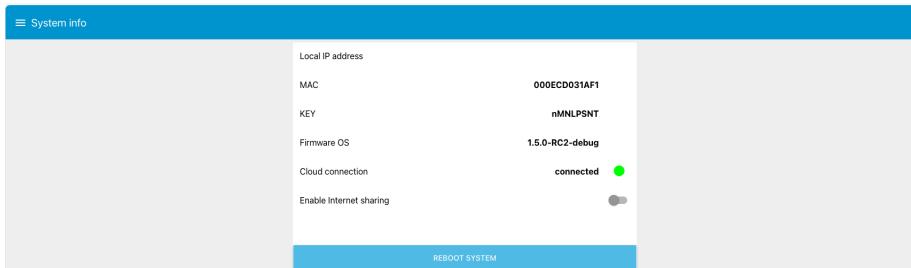
The data active on idol 64 is intended for sensor data only and is therefore limited.

If the data limit is exceeded the sim card will automatically deactivate, and no more data will be sent. In this case, contact dol sensors.

The WebUI page displays dashboards that provide access to various status views.



2.1 System Info



The System Info dashboard displays the following system status information:

Local IP address	
MAC	000ECD031AF1
KEY	nMNLPSNT
Firmware OS	1.5.0-RC2-debug
Cloud connection	connected ●
Enable Internet sharing	<input type="checkbox"/>

REBOOT SYSTEM

Displays information about the system. Internet sharing is disabled by default. If enabled, it remains on until manually disabled again. There is also the option to restart the system.

2.2 Modem signals



View...

- RSSI (Received Signal Strength Indicator)
- Operator name
- Modem IP address
- SIM card ID

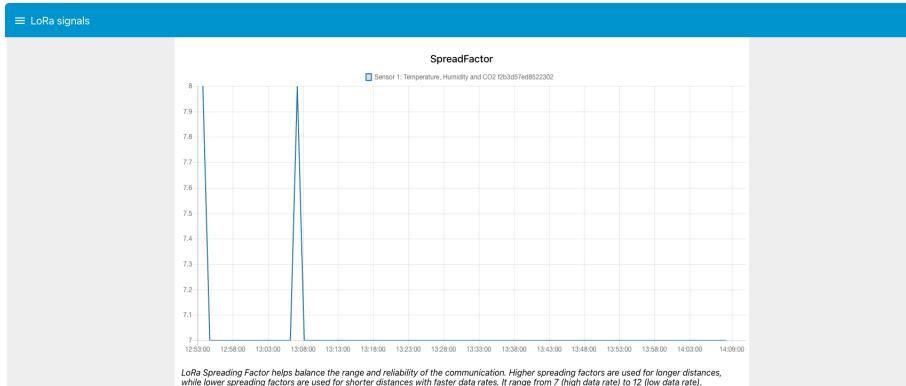
RSSI is a measure of the strength of the received radio signal.

A higher RSSI value indicates a stronger signal.

Modem RSSI should minimum be -99 dB, otherwise we recommended moving the gateway higher from the ground or to a location with better mobile phone service.

2.3 LoRa signals

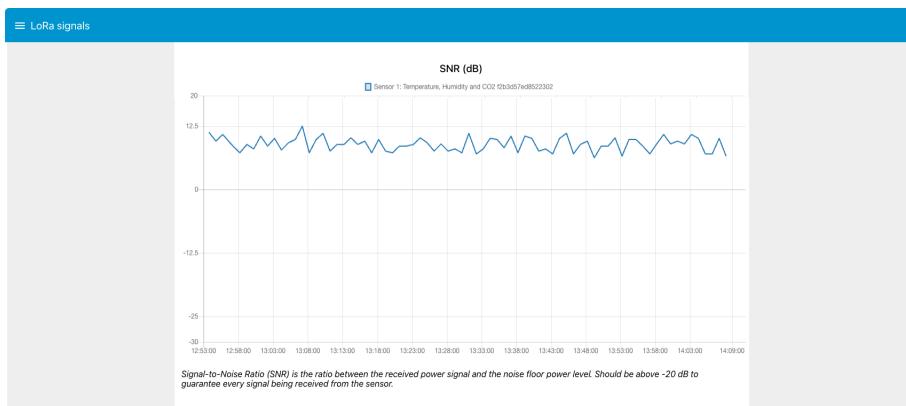
Displays the signal strength of the connection to the sensors.



LoRa Spreading Factor (SF)

It is the frequency shift rate in a signal. A higher SF gives a slower data rate but a clearer signal. A lower SF gives a faster data rate, but with a higher risk of packet loss.

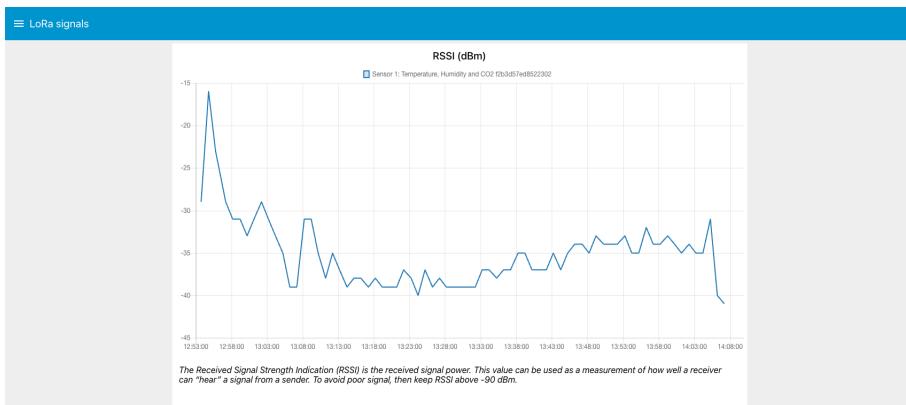
SF ranges from 7 (lowest) to 12 (highest).



SNR (signal-to-noise ratio)

Is a measure that compares the level of a desired signal with the level of background noise.

A high SNR indicates a clearer signal.



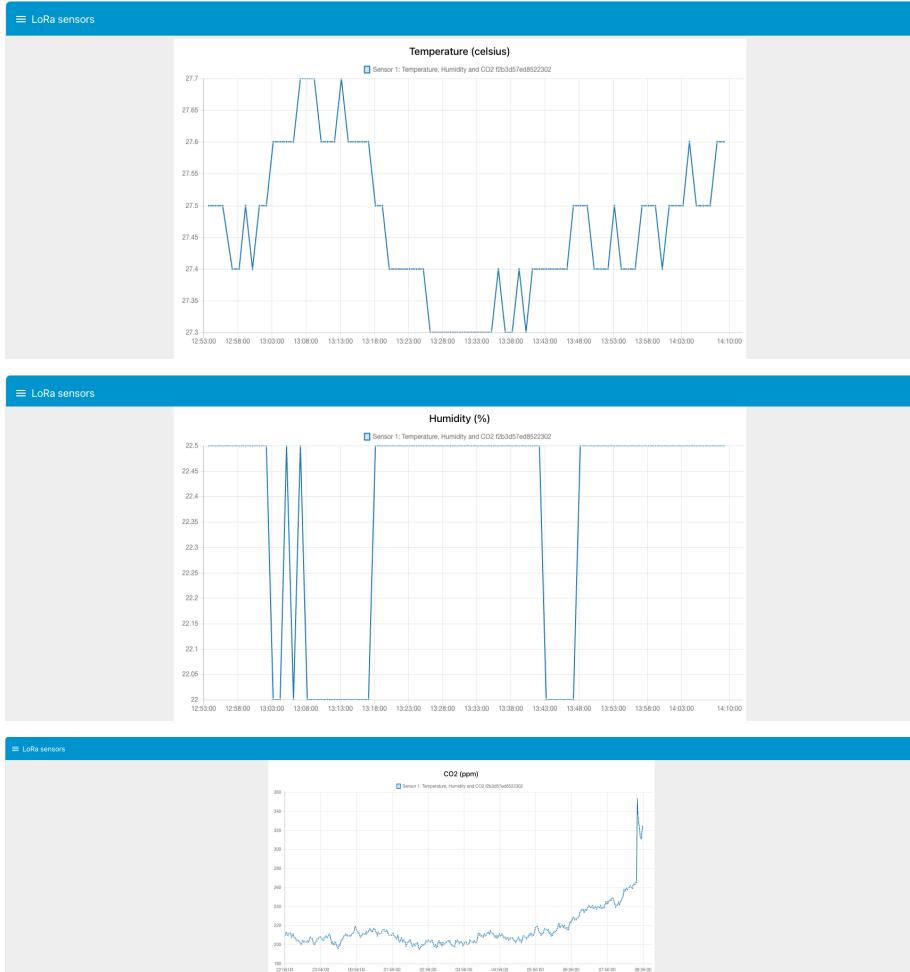
RSSI (Received Signal Strength Indicator)

Is a measure of the strength of the received radio signal.

If spreading factor is 12, then you might want to get the sensor and gateway closer.

2.4 LoRa sensors

Examples below are from idol 139.



Displays the measured values for:

- Temperature
- Humidity
- CO2
- Ammonia
- Water level

2.5 Analog sensors



Displays analog sensor inputs.

Values are displayed in mV (millivolts).

Refer to the sensor data sheet to see how the measured values correspond to the measured values.

2.6 LoRa packages

≡ LoRa packages

Publish	Rev/EU	Name	Event
2025-04-02T11:42:15.02595684202	12b3d57ed85322302	Sensor 1: Temperature, Humidity and CO2	670116822d610164
2025-04-02T11:42:15.052331152	12b3d57ed85322302	Sensor 1: Temperature, Humidity and CO2	670116822d610156
2025-04-02T11:44:12.65450808692	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610153
2025-04-02T11:45:12.7001670392	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610148
2025-04-02T11:45:12.7001670392	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610147
2025-04-02T11:47:12.729804742	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610144
2025-04-02T11:48:12.7552995012	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610144
2025-04-02T11:49:12.7809567552	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610143
2025-04-02T11:50:12.7900995232	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610141
2025-04-02T11:51:12.8050461172	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610154
2025-04-02T11:51:12.8050461172	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610155
2025-04-02T11:53:12.8916808942	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610160
2025-04-02T11:54:12.910912622	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610166
2025-04-02T11:55:12.93949050112	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610160
2025-04-02T11:56:12.9584905012	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610160
2025-04-02T11:56:12.9784795932	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610166
2025-04-02T11:57:13.0074905012	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610166
2025-04-02T11:57:13.02595684202	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610164
2025-04-02T11:58:13.0565887192	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610164
2025-04-02T12:01:13.0860233902	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610166
2025-04-02T12:02:13.0950724422	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610167
2025-04-02T12:03:13.0950724422	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610164
2025-04-02T12:03:13.0950724422	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610166
2025-04-02T12:04:13.1621407822	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610166
2025-04-02T12:04:13.1621407822	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610167
2025-04-02T12:04:13.1787336402	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610167
2025-04-02T12:07:13.1929121642	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610167
2025-04-02T12:08:13.2379516312	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610169
2025-04-02T12:08:13.2379516312	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610169
2025-04-02T12:10:13.3097418342	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610160
2025-04-02T12:11:13.3097418342	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610161
2025-04-02T12:12:13.014325202	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	670116822d610161

Displays the data packets received by the Gateway.

Join packages

Publish	Rev/EU	Name	Event
2025-04-02T12:02:13.0912349422	12b3d57ed8522302	Sensor 1: Temperature, Humidity and CO2	joined at 2025-04-02T12:02:13.0912349422

