

# SL GATEWAY-8CH

Ref : GAT-LAB-6NN3

**SL GATEWAY-8 CHANNELS IS A LORAWAN IoT STATION  
EQUIPPED WITH A DYNAMIC DATA RATE MANAGEMENT  
TO MAXIMIZE DEVICES BATTERY LIFETIME**

SL-gateway-8ch is designed to meet the needs of a Plug & Play LoRaWAN™ private network solution. It is enhanced with software layers developed by Sensing Labs and has a range up to 15 km.

SL-GATEWAY-8CH is ideal to deploy a large volume of devices

## KEY FEATURES

Compliant with many APIs and IoT / PLC platforms	Smart devices management : Status, reconfiguration, data history	Powerfull Embedded Graphical User Interface (GUI)
Stand alone system: include SLcodec for messages decoding	Support up to 200 devices	"Fleet management" Ready

Casing	Indoor (IP30)
Dimension	130 x 80 x 42 mm
Weight	~330gr (0.73 lb)
RF	868Mhz band (Power +14dBm / Sensitivity - 137dBm)
Operating Temperature	0°C to +50°C



SENLAB Devices



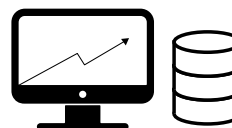
3<sup>rd</sup> party



SL GATEWAY-8CH

API Rest  
MQTT  
HTTP Callback  
CSV-to-FTP  
Modbus TCP

Ethernet  
Wired



Demo GUI  
Devices management  
Data management

## SL GATEWAY-8CH IN ACTION

## TECHNICAL FEATURES FOCUS

### SPECIFICATION

### DESCRIPTION

<b>Operation system (OS)</b>	Linux Debian
<b>Connectivity</b>	Ethernet (RJ45 plug) – Cellular optional (contact us)
<b>RF</b>	868Mhz band (Power +14dBm / Sensitivity -137dBm)
<b>Database</b>	Storage of last 100 days data
<b>Graphical User Interface</b>	Light GUI for gateway configuration & management (available from local or remote access)
<b>Security</b>	Login/Password authentication (HTTP security) Firewall rules
<b>Software maintenance</b>	Easy update, Advanced configuration processes
<b>Backup/Restore</b>	Backup/restore for backup or massive deployment of SLgateway
<b>CSV data export</b>	Export all data or from selected days to CSV file
<b>Remote access (VPN, DynDNS)</b>	<b>VPN</b> configuration to your own OpenVPN server <b>DynDNS</b> configuration to your own dynDNS account
<b>RF Range tester</b>	Local LoRaWAN network coverage test dashboard
<b>LoRaWan RF modem</b>	<b>8 channels – 6 datarate per channel</b>
<b>LoRaWan network server</b>	ABP or OTAA activation mode PUBLIC or PRIVATE network type
<b>LoRaWan application server</b>	Application messages Decryption & Encryption Integrated Codecs for Senlab

Data APIs access :



HTTP  
Callback