SENSING LABS

INDOOR
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

SENSING LABS

SL GATEWAY-8CH IN ACTION

SENLAB Devices

3rd party

LoRaWAN CERTIFIED

SL GATEWAY-8CH

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

Ethernet
Wired

Demo GUI
Devices management
Data management
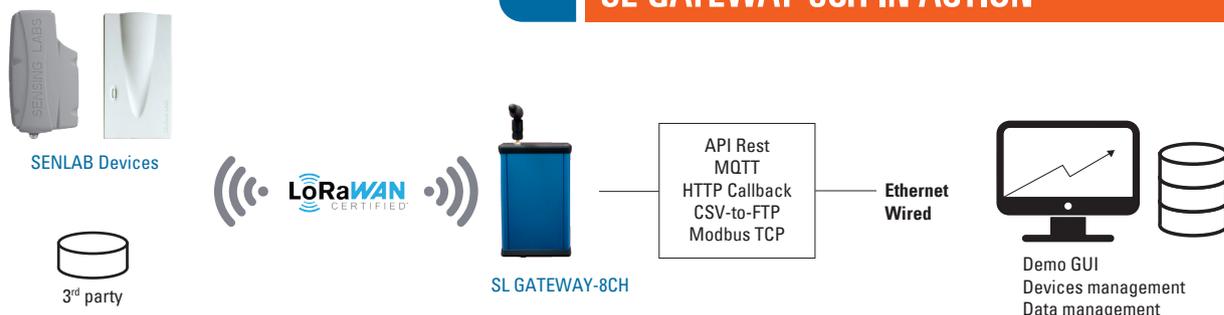
TECHNICAL FEATURES FOCUS

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