

# SL-PICO GATEWAY

Ref : PIC-LAB-63NS

**SL GATEWAY-PICO IS A LORAWAN™ IOT STATION**

**DEVELOPED WITH THE AIM TO REDUCE THE COST OF DEPLOYING**

**A NETWORK FOR SMALL AND MEDIUM SIZE APPLICATIONS.**

SL-Pico gateway 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.

## 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	100.7 x x73.6 x 42.8mm
Weight	~250gr (1.01 lbs)
RF	868Mhz band (Power +14dBm / Sensitivity - 137dBm)
Operating Temperature	0°C to +50°C

### DISTRAME SA

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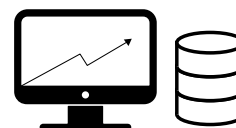
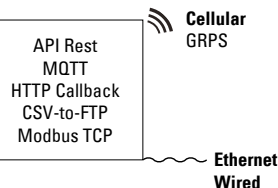
SENLAB Devices



3<sup>rd</sup> party



SL GATEWAY PICO



Demo GUI  
Devices management  
Data management

## SL GATEWAY-PICO IN ACTION

## TECHNICAL FEATURES FOCUS

### SPECIFICATION

### DESCRIPTION

<b>Operation system (OS)</b>	Linux Debian
<b>Connectivity</b>	Ethernet (RJ45 plug) – GPRS modem
<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>Mono datarate (3 channels)</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

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