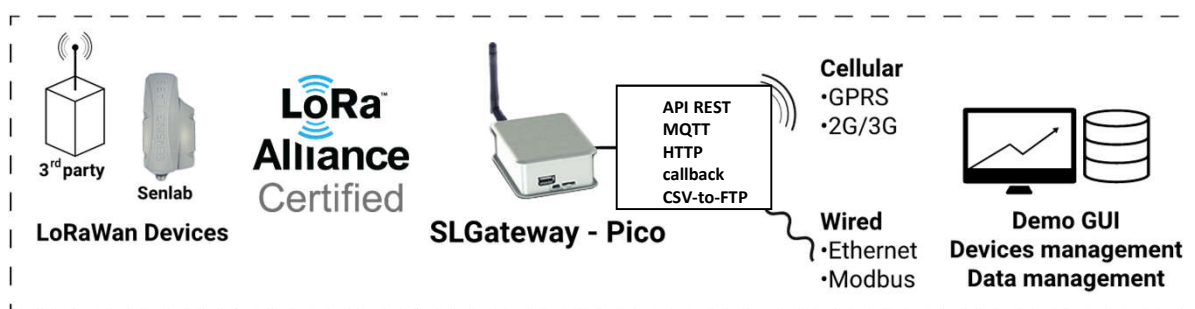SLGateway - Pico is a LoRaWAN™ IoT station developed with the aim to reduce the cost of deploying a network for small and medium size applications. The gateway is enhanced with software layers developed by Sensing-Labs, and designed to meet the need for a plug and play LoRaWAN™ private network solution.

Key features

- Plug and play

- Range: up to 15km

- Smart devices management

- Low cost end to end solution

- Quick visualization of data and network status

- Powerful Embedded Graphical User Interface (GUI)

- Embedded RF range testing tool

- Large choice of API to forward data to your application

- Ready for massive devices and SLgateway deployment

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
Storage Temperature	-40°C to +85°C

Specification	Description
Operation system (OS)	Linux Debian
Connectivity	Ethernet (RJ45 plug) GPRS modem
RF	868Mhz band (Power +14dBm / Sensitivity -137dBm)
Database	Storage of last 100 days data
Data APIs access	Rest API, HTTP Callback, CSV to FTP, Modbus TCP, MQTT
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	Mono datarate (3 channels)
LoRaWan network server	ABP or OTAA activation mode PUBLIC or PRIVATE network type
LoRaWan application server	Application messages Decryption & Encryption Integrated Codecs for Senlab

Sensing-Labs
CAP OMEGA
34960 Montpellier
France

Contact details

+33 4 67 13 01 57
contact@sensing-labs.com
www.sensing-labs.com