

MG003 / Pico-gateway



The **MG003-L-EU** is a **pico-gateway dedicated to long-range wireless indoor communication** for low power devices and sensors operating on European ISM 868Mhz unlicensed radio band. This gateway supports LoRa and Fsk modulations.

This gateway embeds a LoRa WAN 1.0 EU (Class A & C) network server allowing to manage natively up to 400 devices per gateway.



HW product features

- ✓ Size: 75mm*75mm*20mm
- ✓ Dedicated to European market
- ✓ 8 LoRa transceivers architecture
- ✓ Maximum output power : +26dBm
- ✓ Powered through a micro-USB I/F
- ✓ Ethernet I/F
- ✓ Status led on front of gateway
- ✓ External Antenna SMA connector
- ✓ 2dBi gain Antenna

SW product features

- ✓ Full Independent configuration of any transceivers
- ✓ LoRa WAN 1.0 EU Class A & C embedded server for battery or mains powered devices
- ✓ Full network server and devices configuration through JAVA application (remote mode)
- ✓ Communication with any external server solution through JSON & UDP protocols
- ✓ Bidirectional communication between applicative server and devices
- ✓ OTAA or ABP devices-gateway association mechanism

Configuration software

The **MG003-L-EU** is provided with a **JAVA application running on Windows/Linux OS to control and configure the gateway (Radio and network server parts) through Ethernet network.**

Index	Device EUI	App Key	Device Type	Rx W2 Frequency	Context
1	333783908D3469	8F18F3207265194D8E59FCA	LoRa Device	869520000	Context

Device Address	D611B001
Nwk SKey	00000000000000000000000000000000
App SKey	00000000000000000000000000000000
Last Devr Nonce	0000
FCNT Uplink	0
FCNT Downlink	0
State	UNREGISTERED
Nb Downlink Frames	0
Pending Frames 1	EMPTY
Pending Frames 2	EMPTY
Pending Frames 3	EMPTY

