MG003 / Pico-gateway

LoRa Alliance Member

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

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**.

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

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