MG003 / Pico-gateway

The **MG003-L-EU** is a pico-gateway dedicated to longrange 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.

SW product features

- ✓ Full Independent configuration of any transceivers
- LoRa WAN 1.0 EU Class A & C embedded server for battery or not 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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_			0					Context	
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or Hostname Itoway Hostnama		SNET							8F18F3207163194D8E59FC9A
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Config Check config	Preambule Length 8	Nwk SKey	000000000000000000000000000000000000000	0000000000					A •
Save_ Load. Read Write	CRC on Modern Type LORA •	App SKey	000000000000000000000000000000000000000	000000000				counter Size:	✓ 32 bits (16 bits if unchecked)
Verbose	Spreading Factor	Last Dev Nonce	0000				Si	quence Check:	Sequence Check
10 rO	SF8 Coding Rate	FCNT Uplink	0				R	1 Data Rate Offset	0
Flash Fiermoarc	1 Implicit Header	FCNT Downlink	0				R	2 Data Rate:	0
	a Inverted Synchro Word	State	UNREGISTERED -				a	pher:	V Cipher
Device List	Public (0x34)	Nb Downlink Frames	0				R	1 Delay:	1
				Port Mode Clas			м	ax Tx Power:	14 -
		Send	Payload	Port Mode Clas			N	b Transmission:	1

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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

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- ✓ 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.

 Compared a solution



LoRa[®] Alliance

Add/Set Annuler