

EMB-GATE-LR Monochannel LoRa™ Gateway



The **EMB-GATE-LR** Wireless-to-Ethernet gateway offers a cost effective solution for end users and integrators, allowing to collect data and to remote control LoRa™ End devices.

Thanks to the EMB-LR1272E module embedded within, the **EMB-GATE-LR** provides LoRa™ connectivity directly out of the box.

The **EMB-GATE-LR** comes with an embedded web interface that allows the user to manage the radio network and to retrieve data from end nodes. A web service protocol is also available to get all the information in an autonomous way. In order to provide the maximum flexibility, custom applications can be easily developed using the EMBIT development kit for Python or C++.

Supported features:

- LoRa™ compliant wireless interface
- Embedded web server
- Web configuration and management
- Remote firmware upgrades
- Secure communication protocols support

Application areas:

- Home and building automation
- Smart meter concentrator
- Industrial monitoring
- Wireless alarms
- Agricultural monitoring
- Smart cities

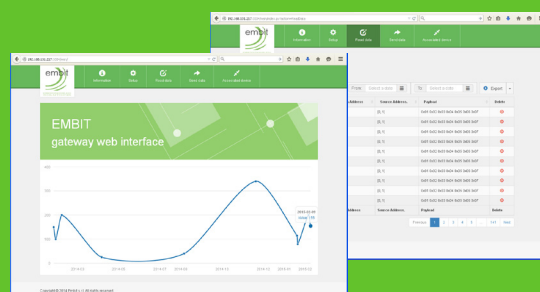
TECHNICAL SPECIFICATIONS

Processor	ARM Cortex™ -A
RAM Memory	512 MB / 1 GB
Onboard Flash	4 GB
LAN Connection	Ethernet RJ45 10/100Base-T
Wireless interfaces	EMB-LR1272E LoRa™ EMBIT module
Operating systems	Embedded Linux
User interfaces	Web Interface
Power supply	5 V DC
Power Source	DC Jack
Ports	Power supply Ethernet 10/100 RJ45 SMA/RP-SMA for external antennas
Current	< 1000 mA peak < 500 mA operating
Dimensions	Length: 130 mm Width: 80 mm Height: 30 mm
Weight	250 g



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EMB-GATE-LR user interfaces



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