Gateway BASIC

GSM/GPRS cloud Gateway

Industry	Agriculture	Mobility

TECHNICAL OVERVIEW

General description

Need to connect your equipment to the cloud without taking care of anything else?

The Basic gateway is the solution.

It is built to be configured remotely with your requirements and work autonomously.

Optionally a smartphone may be used to configure it and add contextual data.

In case of a temporary bad GSM/GPRS reception the gateway continue to store locally your data without any loss.

The data are tranferred on a private cloud for you.

You are able to access to your data from the web.

A specific very low power mode could be enabled for very long autonomy.

Features

· Can work autonomously.

· No PC required for operation.

· Possibility to configure remotely from the web or locally using your smartphone.

· Acquire from some KBytes up to Mbytes per day.

· Connect directly the gateway to the CAN bus (vehicle).

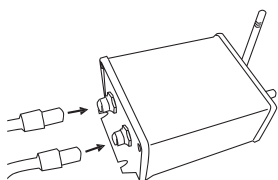· Connect directly the gateway to analog or digital sensors.

Applications

· Agricultural Monitoring
· On/Off-road vehicle
· Industry monitoring
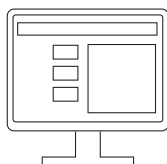· Distant equipment maintenance

HOW IT WORKS

1

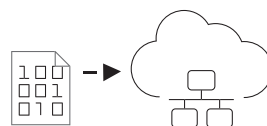**CONNECT your equipement** to the gateway

2

CONFIGURE remotely through the web
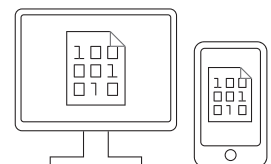
3

COLLECT the gateway then **collect your data** and store them in a private cloud

4

just **ACCESS your data** from the web

SPECIFICATIONS

Wireless & Features	
GSM / GPRS	Frequency Range: 2G / 3G
SIM	Mini-SIM (2FF) 25 mm x 15 mm x 0.76 mm
Options	GPS, XYZ Accelerometer

Inputs / ESD protected	
CAN	1 CAN Bus 2.0B / J1939
Analog	3 Analog inputs 4..20mA, 0/10V, 0/5V, PT1000
Digital	3 PWM / Digital

Outputs / ESD protected	
Digital	2 PWM 0-2A protected Over/Under Voltage, Short Circuit

Power	
Input	12/36 V
Options	Rechargeable Lithium Polymer Battery
Consumption : On / Idle / Specific	55mA / 5mA / proprietary very low power mode

Control	
Bluetooth/BLE	Enable mobile application control
Contextual data	Added using smartphone applications

Data	
Onboard storage option	Up to 2 GBytes
Datarate	Up to MBytes per day
Sample rate	Programmable since 20ms
Trigger	Programmable threshold, periodic, complex conditions, or continuous
Transfer cycle	Programmable

Cloud	
Web	Secure web access
API	REST API or dedicated

Mechanical & connectors	
CAN and Power	Deutch 12 ways
GSM/GPRS/GPS/Bluetooth	Built-in antena
IP Code	IP67
Temperature	-20 to +70 °C (-4 to 158 °F)
Certifications	C E