

## The Product

- General Purpose Internet Gateway, designed for remote monitoring of conditions and energy usage, with digital inputs and outputs and a radio frequency interface for data collection from the range of Invisible Systems wireless transmitters.
- A network of local wireless transmitters can be connected to sensors & data transported to a remote ftp server for online web reporting, or 3rd party data integration.
- The GPRS Gateway also has 4 analogue inputs and 4 digital inputs and outputs, RS485 & RS232 communication for local wired networking plus Dallas 1 Wire. The analogue & digital i/o can be increased to 16 with the addition of a daughter board.
- Onboard memory enables local data collection for economic ftp transfer via GPRS, the internal battery backed clock keeps accurate date and time (BST).
- Optional GPS provides real time location and tracking, essential for critical site condition monitoring and mobile applications.



## Features

- 868Mhz RF to GPRS WAN Gateway
- Collects data wired locally through I/O or from a network of up to 80 RF Sensors
- 4 x Analogue Inputs
- 4 x Digital Inputs
- RS232
- RS485
- Daughter Board Available to increase I/O availability to 8 Analogue and 8 Digital
- Optional GPS

## Benefits

- Enables wireless condition information for remote site
- Does not need to be connected to existing IT Infrastructure
- Enables collection of condition data up to 10km line of site
- Data signed and date stamped for accurate recording
- Incorporates a variety of remote diagnostic tools
- Enables transfer of data from remote site over UDP or FTP
- Can operate in conjunction with Invisible Systems Realtime Online Cloud based web application

### Invisible Systems Ltd

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# Datasheet | Gateway GPRS, GPS, RF



Delivering information

## Technical Information

Inputs	<ul style="list-style-type: none"> <li>• Power – 240 VAC (12v DC – Special Order)</li> <li>• 4 Digital Inputs</li> <li>• 4 Analogue Inputs (0-1v, 0-5v, 0-10v, 4-20mA)</li> </ul>
Outputs	<ul style="list-style-type: none"> <li>• 4 Open collector outputs (max 30VDC, 50mA)</li> </ul>
Memory	<ul style="list-style-type: none"> <li>• 64kb</li> </ul>
RTC	<ul style="list-style-type: none"> <li>• Battery backed real time clock</li> </ul>
Local Radio Comms	<ul style="list-style-type: none"> <li>• RF 868Mhz</li> </ul>
Local Network Comms	<ul style="list-style-type: none"> <li>• RS485</li> <li>• RS232</li> <li>• Ethernet</li> </ul>

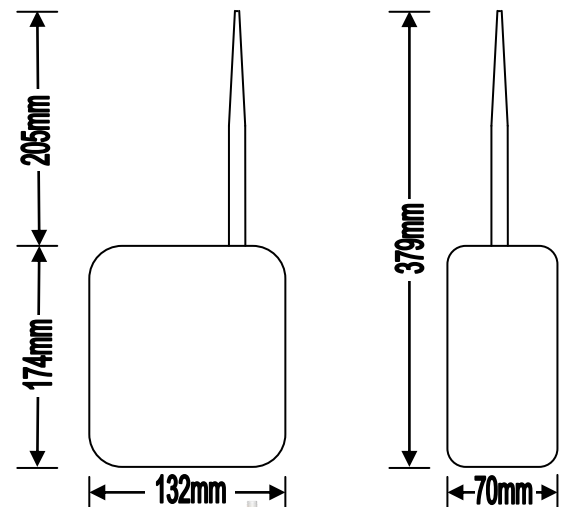
## Options

Part Number	Description
<b>Mobile Network Antennas</b>	
130-440-4412-A	GSM/GPRS antenna 2db gain – 5m cable – SMA
130-440-4404-A	GSM/GPRS whip antenna 7db gain – 5m cable – SMA
130-440-4411-A	Combination GSM/GPRS/GPS antenna – 5m cable – SMA
<b>RF Antennas and cables</b>	
130-440-4415-A	868 Mhz ¼ wave - S MA
130-433-1005-A	868 Mhz co-linear dipole - 2m cable - S MA
220-210-2328-A	Coax SMA cable extension – 5m
220-210-2329-A	Coax SMA cable extension – 2m

## System Components

Description	Part Number
868 Mhz GPRS	999-902-1335-A

## Dimensions



## Weight

720g

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