

# Ei1000G - SmartLINK Gateway

**Mains Powered 230V~  
Rechargeable Battery Back-up**

## Key Features

- ▶ Enables remote management of RF Alarms
- ▶ Receives RF specific data from RF devices
- ▶ Transmits data over GSM network
- ▶ Not GSM provider dependent
- ▶ Bidirectional data encryption
- ▶ Unique House Coding feature
- ▶ Easy setup and configuration

## Product Description

The SmartLINK Gateway is designed for use with the Ei Electronics RF devices. It provides a mechanism to transfer information from the RF network to a portal over the GSM network.

It is mains powered with a rechargeable battery backup that can provide up to 72hrs of power supply in case of mains failure.

Connected devices' events are processed by the Gateway as they occur and cover events\* such as:

Fire Alarm  
CO level detected (High, Medium, Low)  
Button Test  
Mains Absent Fault  
Head OK  
Head Removed  
End of life

To ensure the safety of the data, it is encrypted in both directions during transmission using AES128 encryption.

In addition, for ease of installation, the SmartLINK mobile application provides a step by step guide for the installation of the Gateway and the Ei Electronics RF devices.

All data sent is accessible from a web portal where alerts can be set up to be delivered by email or SMS. Reports can also be run from the web portal to facilitate the management of the Alarms fitted.

The data on the portal is securely stored and is only available to the associated client.



## Technical Specification

<b>Supply Voltage:</b>	230V AC, 50Hz
<b>Battery back-up:</b>	Rechargeable battery
<b>Power consumption:</b>	40mA
<b>RF frequency:</b>	868MHz band (1% duty cycle)
<b>RF Range:</b>	> 100 Metres in free air <sup>1</sup>
<b>RF Protocol type:</b>	Mesh architecture
<b>RF Protocol:</b>	RadioLINK
<b>RF System size:</b>	Up to 12 RF devices <sup>2</sup>
<b>Data upload:</b>	via 2G GSM network (Roaming SIM card supplied)
<b>Modem:</b>	Quad-Band GPRS modem
<b>Data storage:</b>	Cloud based
<b>Indicators:</b>	Green LED - Power Blue LED - RF communication Yellow LED - GSM communication
<b>Normal Operating and Storage Temperature Range:</b>	
-10°C to 40°C <sup>3</sup>	
<b>Normal Operating and Storage Humidity Range</b>	
15 % to 95 % Relative Humidity <sup>3</sup> (non-condensing)	
<b>Dimensions:</b>	Product - 150mm x 145mm x 55mm
<b>Weight:</b>	550g.
<b>Warranty:</b>	5 years
<b>Approvals:</b>	CE Compliant with Radio Equipment Directive 2014/53/EU



Compliant with Radio Equipment Directive 2014/53/EU

Manufactured to ISO 9001 quality standards  
Specifications are subject to change

1. Obstructions of any sort will result in a reduction in range from the free space specification. The range may vary depending on installation.
2. Please contact us for further advice if additional RF devices are required.
3. Temperature and Humidity conditions are for normal operation and storage. Units will function outside these ranges as required by the specific product Standards. Extended exposure to conditions outside these ranges can reduce product life. For advice on prolonged operation outside these ranges consult the manufacturer.



\* Reportable events are model dependant