

# 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 cellular network
- ▶ Not mobile network 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 cellular network.

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

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

The information sent varies depending on the RF device. For examples, Alarms will report events such as button test, mains absent, head removed, fire alarm, CO alarm, while other devices will report levels of CO<sub>2</sub>, Radon, ambient temperature, emergency call.

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 devices fitted.

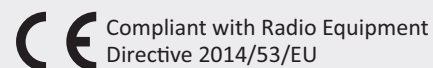
The data on the portal is securely stored and is only available to the associated client.

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.



## 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>	RadioLINK: 868.499MHz (1% duty cycle) RadioLINK Connect: 868.2MHz (1% duty cycle)
<b>RF Power:</b>	≤ 14 dBm
<b>RF Range:</b>	> 100 Metres in free air <sup>1</sup>
<b>RF Protocol type:</b>	Mesh/Star architecture depending on device
<b>RF Protocol:</b>	RadioLINK Connect with RadioLINK fallback
<b>RF System size <sup>2</sup>:</b>	In RadioLINK systems: Up to 12 RF devices In RadioLINK Connect systems: Up to 32 RF devices via cellular network (Roaming SIM card supplied)
<b>Data upload:</b>	
<b>Modem:</b>	4G
<b>Data storage:</b>	Cloud based
<b>Indicators:</b>	<b>Green LED</b> - Power <b>Purple/Blue LED</b> - House code mode <b>Yellow LED</b> - Cellular 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>	KM 735628, Internet of Things (IoT)



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.

