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# **ES001 USER MANUAL**



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# ES101

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## 1. General description

ES001 is eSky's GSM/GPRS solution in a compact plug-in module. In a compact module, ES001 is quad-band eSky GSM/GPRS solution incorporating ARM-based processor.

Programmable I/O ports can be used to monitoring external signals. Based on this, ES001 is capable of communicating through all traditional data services provided by GSM/GPRS networks. Offering a broad supply voltage range (3.6-4.2VDC), ES001 is a universal solution for most low-volume m2m and module data application.

As with all eSky modules, ES001 supports OTA, which enables version switch with transmission of one delta file. Being built on mature platform, eSky GSM/GPRS solution is a wise choice for to conduct second development.



ES001----GSM/GPRS Module

## **1.1 Necessary Concepts for Reader**

- AT Commands
- Terminal programs such as HyperTerminal or PuTTY



ES001----GSM/GPRS Module

## **1.2 About eSky Wireless Inc.**

eSky Wireless Inc. is a provider of wireless communication products developed in a field-proven platform. From perspective of users, eSky's products always boast the characteristics of effective cost, high quality and flexibility.



ES001----GSM/GPRS Module

## **2. ES001 Physical statistics**

ES001's indubitable advantage is built on the following features.

- Portable size of 40mm\*33mm\*2.9mm
- Low power consumption
- Quad-band of 850/900/1800/1900MHZ
- ARM based processor which provide sophisticated data management
- OTA function available
- Base of mature and field-proven platform
- TCP/UDP/SMS communication



ES001----GSM/GPRS Module

## **2.1 ES001 Detailed Hardware Features**

**Please refer to Electric Spec.**



ES001----GSM/GPRS Module

## **2.2 Primary Connector**

**Please refer to Operational Description**



## **FCC statement :** Section 15.105 (b)

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### FCC Section 15.21 Information to the user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### FCC Section 15.19 Labelling requirements

This device complies with Part 15 of the FCC Rules.  
Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.