

## **SIM900 Quad Band GPRS GSM Shield Development Board for Arduino FREE SIM Adapter**



The GPRS Shield is based on SIM900 module from SIMCOM and compatible with all boards which have the same form factor (and pin-out) as a standard Arduino Board. The shield allows you to achieve SMS, MMS, GPRS and Audio via UART by sending AT commands (GSM 07.07, 07.05 and SIMCOM enhanced AT Commands). The shield also has the 12 GPIOs, 2 PWMs and an ADC of the SIM900 module (They are all 2V8 logic) present onboard.

The GPRS/GSM Shield provides you a way to use the GSM cell phone network to receive data from a remote location. The shield allows you to achieve this via any of the three methods:

- Short Message Service
- Audio
- GPRS Service

### **SPECIFICATIONS:**

- Quad-Band 850 / 900/ 1800 / 1900 MHz - would work on GSM networks in all countries across the world.
- GPRS multi-slot class 10/8
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
- Class 4 (2 W @ 850 / 900 MHz)
- Class 1 (1 W @ 1800 / 1900MHz)
- Control via AT commands - Standard Commands: GSM 07.07 & 07.05 | Enhanced Commands: SIMCOM AT Commands.
- Embedded TCP/UDP stack - allows you to upload data to a web server.

- Short Message Service - so that you can send small amounts of data over the network (ASCII or raw hexadecimal).
- RTC supported.
- Selectable serial port.
- Speaker and Headphone jacks
- Low power consumption - 1.5mA(sleep mode)
- Industrial Temperature Range - -40°C to +85 °C
- Size:8.5x5.7x2cm (approx)

### FEATURES:

- The GPRS Shield is based on SIM900 module from SIMCOM and compatible with Arduino and its clones.
- The GPRS Shield provides you a way to communicate using the GSM cell phone network.
- The shield allows you to achieve SMS, MMS, GPRS and Audio via UART by sending AT commands (GSM 07.07 ,07.05 and SIMCOM enhanced AT Commands).
- The shield also has the 12 GPIOs, 2 PWMs and an ADC of the SIM900 module(They are all 2V8 logic) present onboard.

### APPLICATIONS:

- M2M (Machine 2 Machine) Applications.
- Remote control of appliances.
- Remote Weather station or a Wireless Sensor Network.
- Vehicle Tracking System with a GPS module.

### PINOUT:

