

Modem Specifications

Modem Features:

- High Quality Product (Not hobby grade)
- Dual-Band GSM/GPRS 900/ 1800 MHz
- RS232 interface for direct communication with computer or MCU kit
- Configurable baud rate
- SMA connector with GSM Antenna.
- SIM Card holder.
- Built in Network Status LED
- Inbuilt Powerful TCP/IP protocol stack for internet data transfer over GPRS.
- Audio interface Connector
- Normal operation temperature: -20 °C to +55 °C
- Input Voltage: 5V-12V DC

SIM900A General Specification:

- Dual-Band 900/ 1800 MHz
- GPRS multi-slot class 10/8
- GPRS mobile station class B
- Compliant to GSM phase 2/2+
 - Class 4 (2 W @ 900 MHz)
 - Class 1 (1 W @ 1800MHz)
- Dimensions: 24x24x3mm
- Weight: 3.4g
- Control via AT commands (GSM 07.07 ,07.05 and SIMCOM enhanced AT Commands).
- SIM application toolkit.
- Supply voltage range : 3.2 ... 4.8V.
- Low power consumption: 1.0mA (sleep mode).

Modem Specifications:

- **Fax:** Group 3, Class 1
- **Data**
 - GPRS class 10: max. 85.6 kbps (downlink)
 - PBCCH support
 - Coding schemes CS 1, 2, 3, 4
 - CSD up to 14.4 kbps
 - USSD
 - Non transparent mode
 - PPP-stack
- **SMS**
 - Point to point MO and MT
 - SMS cell broadcast
 - Text and PDU mode
- **Voice**
 - Tricodec
 - Half rate (HR)
 - Full rate (FR)
 - Enhanced Full rate (EFR)
 - Hands-free operation (Echo suppression)
 - AMR
 - Half rate (HR)
 - Full rate (FR)
- **Firmware Support**
 - FOTA
 - MMS
 - Java (cooperate with lasolution)
 - Embedded AT
- **Other features**
 - 0710 MUX protocol
 - Embedded TCP/UDP protocol
 - FTP/HTTP
- **Compatibility:** AT cellular command interface