



Order Code : 10939 GSM Mobile Trainer Kit is an easy medium of learning the fundamental concept of Mobile communication like GSM, GPRS. The main focus of MCLS is in opening up a whole new world for you, mobile communication concepts like Call setup, call forward, SMS, voice, data and other Network protocols are also experimented on vis-à-vis the existing environment.

FEATURES:

- Remote control by AT commands (GSM 07.07 and 7.05)
- Baud rate from 300 to 115,200 bits/s, Auto baud.
- Various LED indicators for POWER, Network, Low battery, Battery charging & Battery status & serial Communications, Battery temp. indication etc.
- Provision for auxiliary audio MIC & speaker connect.
- Appropriate test points at various stages.
- Specific digital inputs to allow direct SMS transmission if any input changes state.
- Relay output controlled over SMS.

SPECIFICATIONS:

- Dual band 900 / 1800 MHz GSM / GPRS Modem.
- Data, SMS, Voice.
- Onboard RS-232 & USB connector for PC Communication.
- 20 Membrane keys with multifunctional operation.
- GLCD 128x64 for display.
- On board RTC with independent battery backup.
- Onboard Mic and Speaker interface.
- SMA antenna connector with antenna.
- Sliding / fixed landing SIM holder (3.3V/5V SIM interf.)
- Remote control by AT commands (according to GSM 07.07 and GSM 07.05)
- Maximum output power 2W for GSM 900: 1W for GSM 1800.
- Bare board Tested Glass Epoxy SMOBC PCB is used.
- In-Built SMPS of +12V/2A.
- Attractive wooden enclosures.
- User's Manual .

EXPERIMENTS:

- SIM identification for getting self number, network name etc.
- Execution of AT commands via PC.
- Voice communication using AT commands.
- Study of text or PDU data formats & interface with modem. SMS.
- Network status intimation via AT commands.
- Read Message Delete Message on PC.
- Call Records a. View missed calls b. View dialed numbers c. View records on PC.
- Contacts - a. Dial no. b. Delete Contact c. Add contact.
- Study and measure PWM signal of circuit such as Vibrator, LED, Buzzer.
- Setting of MIC gain & Speaker gain via. AT commands.
- SMS interface for Transmit, Receive & manage inbox.
- Send SMS messages with the help of on board keypad.
- Indication of battery temperature via AT commands.
- On board Li-ion battery with provision to start, stop battery charging via AT commands.
- Know & manage information for all recent calls, missed calls.
- Manage contact list.
- Send and receive email facility through AT commands.
- Relay output controlled over SMS.

Note: Specifications are subject to change.

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