ACT-17
GSM Mobile Communication Trainer Kit

ACT-17 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 can be altered without notice in our constant efforts for improvement.