

AMR – Automatic Meter Reading GPRS Wireless RTU, Model: SC-ComPort

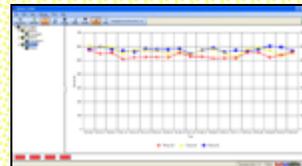
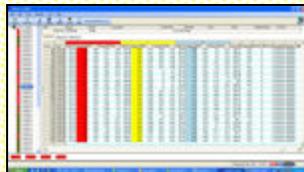


Softbit Technologies Pvt. Ltd., New Delhi presents a revolutionary product first time in India for transfer of data using GSM/GPRS wireless technology. We come across so many occasions where some data from a field instrument/PLC is to be transmitted to the central control room and the data is available at RS232 (or RS485 MODBUS Protocol; optional feature) terminals of the field instrument.

Model: SC-ComPort is the best solution where data from a remotely installed field instrument is to be fetched from RS232 port.

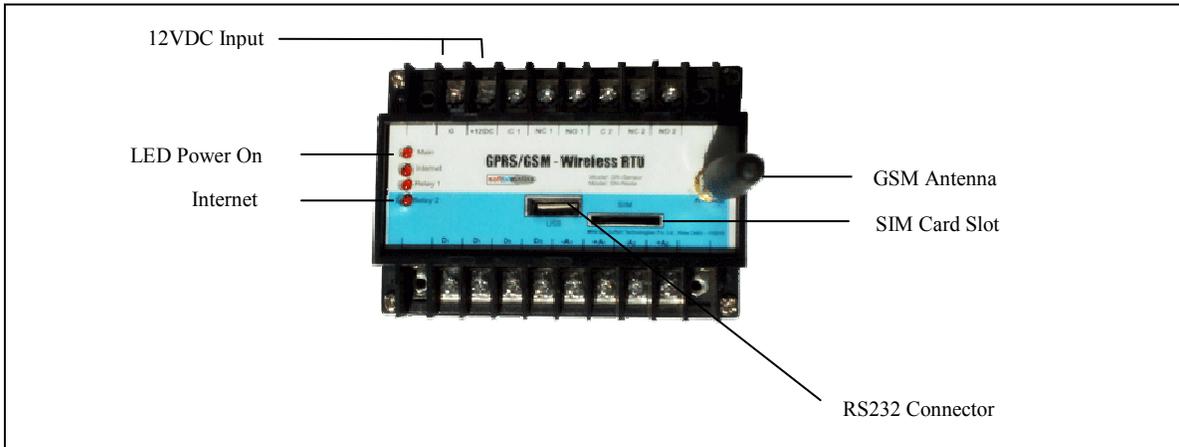
Applications: This is best suitable for fetching data through RS232 port from a PLC, energy meter and field instrument.

Data Monitoring: Data travels from the PLC/field instrument to SC-ComPort to central Server. TCP/IP communication is used to get this data on a central server. User can set the static IP and port number in the SC-ComPort to divert the data to their own server. The data string so obtained can be processed to display the data in tabular or graphical mode.



Note: Softbit can also support you in developing server application and front end SCADA software for monitoring of data.

GPRS SIM Card: The unit is fitted with Quad-Band Modem which uses a GPRS enabled SIM card for data transmission. So the live data in real time can be monitored.



SIM Card Placement In The Slot:

Direction of SIM card while inserting in the SIM slot is shown in the left hand side picture. Just press swiftly to place it in the position. To take out the SIM, press the top of the SIM with your nail or a ball pen tip with a mild jerk and pull it out. **Care must be taken to switch off power supply to RTU while inserting or removing the SIM card else it may get damaged.**

Server Connectivity

By default the RTU would send data to our central server. But client can divert the data to they own sever by changing the IP and port no. They can save their server's IP address and port number in the RTU by sending SMS from a mobile phone.

Edit - IP

To change the IP by SMS, send the following command:

IP xxxx 122.11.25.0

Here, xxxx is a 4 digit PIN (default PIN is 1234) and 122.11.25.0 is IP address of server to which data string is to be forwarded (122.11.25.0 is the dummy IP address).

Edit - Port No

To change the port no. by SMS, send the following command:

PT xxxx 5036

5036 is port number at server to which data string is to be forwarded (5036 is the dummy port number).

Edit - PIN

To change the PIN by SMS, send the following command:

PN xxxx yyyy

where xxxx is the old PIN and
yyyy is the new PIN

Edit - Time Interval

To change the data sending interval by SMS, send the following command:

IN xxxx 15

where 15 is the time interval in seconds

Refresh:

Once the data is sent to the server after preset interval time, the string get empty so that new data could be stored in the string.

End Character:

"," a semi-colon would be placed between two data strings (data values) received from the field instrument (RF reader or solar tracker).

General Specifications:

Supply Voltage:	12 DC SMPS
Baud Rate:	9600
Data Transmission Rate:	60 Sec. (editable)
Data Communication:	TCP/IP Protocol
Configuration:	Through Mobile Phone (Password Protected)
Operating Temperature:	55 deg C
Dimensions:	120mm (W) x 110mm (L) x 60mm (D)
Modem:	Quad Band
Storage:	-25 °C to + 75 °C

Various Applications:



Water Flow Meter



Energy Meter



PLC



Pressure Meter

Note: Design & specifications may change for improvements and betterment of the product.

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