

GPRS Wireless Data Logger (RTU)



Softbit Technologies Pvt. Ltd., New Delhi presents revolutionary products – GPRS/GSM enabled Wireless RTUs, indigenously developed, first time in India for remote monitoring & control of electrical systems & machines for M2M communication, wireless automation applications, smart grid operations, intelligent energy management.

Models: SB-Smart, SE-Energy, SS-Sensor

Applications: This is best suitable for applications like remote monitoring & control of substations, motors, dg sets, chillers, freezers, wind mills, solar modules, UPS, water treatment plants, chemical plants, POS. The RTU can also be used for monitoring the temperature & humidity of Server

Rooms, R&D labs, in hospitals, hotel kitchens, freezers, cold storage etc., where online real time temperature & humidity is to be monitored. Depending upon the model & requirement the RTU can also monitor the electrical parameters of an electrical system or machine for intelligent energy management. Different sensors can be connected with the RTUs to get data from the machines/systems. The sensors may be analogue or digital (pulse/frequency).

GPRS SIM Card: The unit has a built-in GPRS module which uses a GPRS enabled SIM card for data transmission. The SIM card must be GPRS enabled (VTS plan) and SMS service should be got enabled for Alert text messages (SMS). Live data can be monitored on your control room PC/Laptop or even on your mobile phone.

Web Based Monitoring: Monitoring & control can be done from any Explorer (IE, Google Chrome). Daily Reports can be generated of past one year data You can monitor all your data loggers/machines from a single window. You need not to open a separate window for each data logger. Data is refreshed automatically after every 1 – 15 minutes duration as per the settings. Data can be viewed in tabular form and in graphical form. Your account is protected by a username and password. SCADA application can also be downloaded from our website - <http://www.softbitonline.com/datalogger.html>. It is free with every RTU.

Remote Control Operation: User can send commands from the web browser or SCADA application to the remote machine to switch it ON or OFF. Switching can also be done from the mobile phone. You get a response SMS for every action. Your every command is password protected. You can reset the password any time from your mobile.

Remote Configuration: The data logger installed at a remote location can be configured from the control room from all settings & alerts. User can set the span, can do the calibration, specify a name for different sensors, configure the CT ratio, set errors readings. If having more than one data loggers in his/her account then each data logger can be named depending upon the location or application. Each logger (RTU) has a unique ID.

SMS Alert: You can configure the unit to get Hi/Low SMS alerts. Phone book can store 5 mobile numbers to whom the alerts are to be shoot off. You can also send a request from your mobile phone to get the latest value of various parameters on your mobile.

Data Storage: The data is stored on Softbit remote server for analysis & report generation (Optional feature). A 4GB pen drive can also be used for local level data storage.

GPS: Unit also has provision (optional) to connect a GPS module in case you want to monitor the location of the machine/system in real time. If provided, it can also work as GPS clock for real time date and time in case the RTU gets disconnected from the server. This date & time is used for putting a time stamp along with stored data on the USB.

General Specifications:

Supply Voltage:	90 V AC to 270 VAC through 12 V DC SMPS @ 2A
Power Consumption:	Less than 200mA while transmitting data
Analogue (A/I):	4 nos. 0 – 5 V or 4 – 20mA
Digital (D/I):	4 nos. Pulse/Frequency
Auxiliary Relay (D/O):	4 nos. x @ 5 A each
Energy Monitoring:	Hz, Voltage, Current, PF, KW, KWH, KVA KVAH
LCD Display:	128 x 64 pixel resolution, mono-chrome graphic
Enclosure:	Metallic (for indoor installations)
Enclosure:	ABS Plastic – Optional (for outdoor installation)
Dimensions:	230mm (L) x 100mm (H) x 130mm (W)
Modem:	Quad Band
Antenna:	High Gain 6db
Storage:	-25 °C to + 75 °C
Operational Temperature:	75 °C

Go wireless now! Install Wireless RTUs for monitoring the following or any machine/system.



AGUSTHIESWARAN
DG Monitoring



Substation Automation



Energy Management