INDUSTRIAL DATALOGGER

RDL data logger is particularly designed for indoor and outdoor industrial monitoring applications. It has analog, digital, 4-20mA, USB, MODBUS and serial type inputs and output for interfacing with various types of equipment controllers, sensors, PLC's ,SCADA and others. It uses GSM/GPRS technology to send data to server for real time monitoring and storage. This enables the acquisition of critical information from remotely located equipment's, machines and made available at central location. Data loggers can also transmit the data for analysis, sharing, and reporting, as well as control external devices. It's DIN Rail mounting makes it easier to install and operate.

Features:

- Industrial grid.
- 4 Channel 4-20mA current loop receiver.
- 12 channel 10 bit ADC/Digital I/O 5V max
- Modbus/RS485 communication.
- GSM GPRS M95 Modem communication.
- ATMEGA 2560 Controller 16MHz, 256KB Flash.
- Input Power Supply 12-36V.
- Logged data will be store in .CSV format.

- Inbuilt/external SMPS.
- Inbuilt RTC enabled.
- On board SD card socket.
- Support up-to 8 GB FAT and expandable up to 16GB.

Applications:

- Solar energy monitoring.
- Condition monitoring.
- Process monitoring.
- Environment monitoring.
- Leakage detection.
- Cold storage
- District metering.

- Warning message in case of calamities.
- Water treatment.
- Generator monitoring.
- Smart grid.
- Production monitoring.
- Green House.

Technical Specification:

M95	
Communication Protocol	FTP and GPRS
Quad-band	850/900/1800/1900 MHz
GPRS Mobile Station	Class B
Supply Voltage Range	3.3~4.6V 4.0V nominal
Low Power Consumption	1.3mA@DRX=5, 1.2mA@DRX=9
Operation Temperature	-40° to +85°
Control via AT commands	GSM 07.07,07.05 and other enhanced AT commands
GPRS Class 12	Max 85.6kbps (uplink and downlink)
MODBUS	
Communication Protocol	MODBUS/RTU
Serial Signal	DATA+, DATA-
Data Bits	8 bits
Stop bits	1,2
Parity	None, Odd, Even

Order Information:

RDL6000	RDL6001	RDL6002	RDL6003
GSM/GPRS	XBEE/WiFi	ESP8266	BLUETOOTH