

DESCRIPTION

RS485 to GPRS convertor replaces the wired approach of sending the sensor data to the centralized server. The device collects the data through MODBUS (RTU) protocol and sends it to the centralized server through GPRS using Http (default). The input to this type of metering adapter is RS485 which supports MODBUS (RTU) protocol.

The RS485 to GPRS adapter has inbuilt processing, sensing, storage and Wireless transmission unit.

SPECIFICATIONS**Interface Support:**

Serial - RS485/ TTL / RS232(MODBUS RTU)

Power Supply:

Voltage : 5V (typical)

Current : 2A

Battery life:

Secondary Internal 4.2V, 1100mAh battery

Battery operation upto 10 hours*.

Communication:

Sensitivity : 108 dBm (typ.) @ 850/900 MHz

107 dBm (typ.) @ 1800/1900 MHz

Output power: Class 4 (2W) @ 900 MHz

Class 1 (1W) @ 1800 MHz

GSM/GPRS protocol stack 3GPP Release 4 compliant

Supports TCP,IP,HTTP,FTP,UDP,SMTP,ICMP,FTPS protocols.

User Interface:

- User friendly application where the access is given hierarchy based.
- The user can easily manage and monitor the usage.
- Can be configured using SMS mode.

Physical Parameters:

Operating temperature - 0 to 45 degree Celsius

Storage temperature - 0 to 45 degree Celsius

Enclosure:

Dimension : 50 * 50 * 50mm

Grade : IP66

* Life time of the battery is calculated when the module is sending SMS every minute.

**KEY HIGHLIGHTS**

1. Low power
2. 3G Compatible
3. Embedded SIM Support

OUR OTHER PRODUCTS

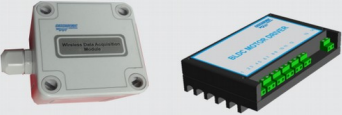
Thermal Printer & Driver Cards



Metering Adapter & Gateway



Data Logger & Motor Driver



Wireless Access Control & Battery Monitoring



IoT , Interface & Controller Modules



OPTIONAL FEATURE

1. User interface for the solution
2. 3G compatible
3. Antenna (based on required performance)
4. Embedded SIM
5. SMA or UFL connector option for antenna

APPLICATIONS

1. Smart remote metering
2. Water monitoring and measuring
3. Gas metering
4. Energy meter
5. Smart city
6. Irrigation and agriculture industry

CASCADEMIC Solutions Pvt. Ltd.

With IoT and M2M being the core of development in the modern embedded era, we at CASCADEMIC develop Industrial solutions in SCADA, M2M & Growing IIoT

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