RS485 to WiFi CONVERTER

DESCRIPTION
RS485 to WiFi 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 WiFi using TCP (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:**
- Supports WiFi client/AP/Router
- Supports encryption type : Open, WEP, WPA.
- 2.4 GHz 802.11b/g/n compatible
- Support transparent transmission mode
- Data transmission trough tcp protocol
- Range : 50 to 60 meters

**User Interface:**
- User friendly application where the access is given hierarchy based.
- The user can easily manage and monitor the usage.

**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 input to the metering adapter is pulse.
OPTIONAL FEATURE
1. User interface for the solution
2. Mechanical meter
3. Antenna (based on required performance)

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