

## CASCADEMIC Solutions Pvt. Ltd.

In the era of the smart and the convergence of technologies, we at CASCADEMIC extended and evolved our decades of embedded expertise from the SCADA to the M2M & Growing IoT space.

CASCADEMIC is a Fabless ODM Solution Provider in M2M and IoT. Specializing in Wireless Remote Monitoring, Sensors, and Controls & Industrial Automation.

In the process of continuous evolution and upgradation of technology, the process and processor SoC's are evolving and becoming more and more integrated. In addition, the complexities around RF, Ultra low power, Wireless protocols, and Embedded Java & Real time firmware applications built-on many such industrial embedded devices with long term reliability and availability requirements are increasing.

By addressing the above needs from the Concept to Manufacturing Vertical Integration, we act as an ODM partner for our Customer's Intelligent System Solution needs of:

- Wireless Smart Flow Meter
- OEM Thermal Printer Solution
- Wi-Fi RFID Access Control Solution
- Wireless Sensor Networks
- Smart Automation & Control
- GPS NAVI TRACK

## ADDRESS

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## Rs485 to WiFi Converter



Long lasting battery life

Easy configuration and installation

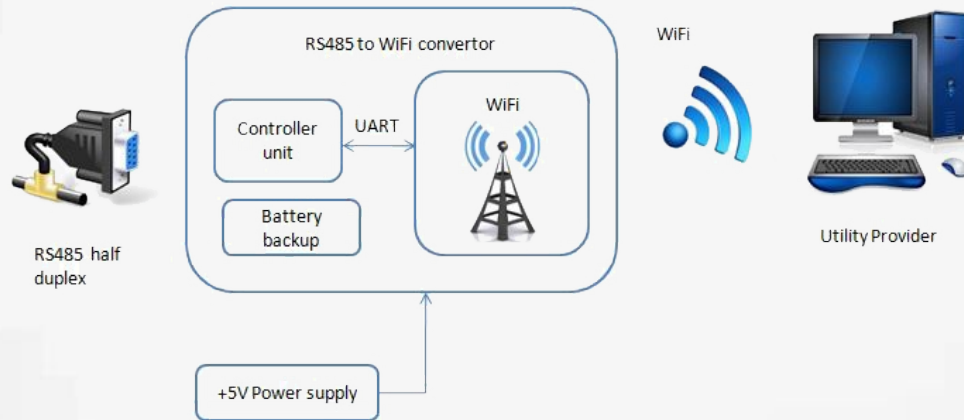
Wi-Fi, GPRS and MODBUS compatible

Secured communication using AES

## Product Description:

Wireless metering adapter replaces the traditional human reading method and send the meter reading and other parameters of the remote meters to the utility provider through wireless. It is an automated meter reading (AMR) based metering adapter. The converter collects the data from MODBUS(RTU) slave device and sends to the server through WiFi.

## Block Diagram:



## Features:

Input	<ul style="list-style-type: none"><li>Serial – RS485 half duplex (MODBUS RTU).</li><li>Based on the MODBUS command given by the Server the adapter will read from the slave device and send to the Server.</li></ul>
Communication	<ul style="list-style-type: none"><li>Supports WiFi client/AP/Router</li><li>2.4 GHz 802.11b/g/n compatible</li><li>Support transparent transmission mode</li><li>Data transmission through tcp protocol</li></ul>
Encryption	<ul style="list-style-type: none"><li>Supports encryption type : Open, WEP, WPA.</li></ul>
Range	<ul style="list-style-type: none"><li>50 to 60 meters</li></ul>
Memory	<ul style="list-style-type: none"><li>External flash memory upto 256 KB (extendible upto 8Mb).</li></ul>

## Application:

- Smart remote metering.
- Water Monitoring and Measurement.
- Gas Metering.
- Energy Metering.