

# Modbus/RTU to Ethernet

>> Configurable Slave Address

Multiple Slave ID <<

TCP/IP, Http

>> Easy Configuration via PC, IP Utility, IP Commands

WCT-905M Series

Wiman WCT-905MI is a smart Modbus/RTU/IO to Ethernet gateway, Expand your Data communication over wired networks by Ethernet Gateway with Secure and two-way communication, without in-depth knowledge of Protocol Concepts. Our Smart Modbus Gateways Series replaces the complex approach of sending the Modbus slave data to the centralized server, either single or multiple slaves. The device collects the data through MODBUS (RTU) protocol and sends it to the centralized server through Existing LAN using TCP or Http mode. All the Parameter is configurable via PC Utility or IP Utility or Server IP Commands, All configurations are done remotely. Not required to have the device during configurations. It's a generic device to fetch the Standard Modbus Slave device like Energy meters, Solar Inverters, PLC, Windmill, AMR, IO Modules, Flow Meters and more. The built-in smart data redundancy communication paths of Ethernet in RTU Gateway, the data would be guaranteed to transfer your centralized server. We also provide a Cloud based Graphic interface (based on client requirements) to manage your device machines easily. Users can monitor and control the Slave and I/O data of RTU devices.



## Application Segments

- ✓ Automatic Meter Reading
- ✓ Power Monitoring and Control
- ✓ Fault Indicators
- ✓ Temperature Alerts, Indicators
- ✓ Pump Control, Flow Measurements
- ✓ SCADA, Data Exchange
- ✓ Central Monitoring and Control Systems
- ✓ Base Station, ATM Monitoring and Control

## Features

- ✓ Intelligent Modbus, IO, Data Logger, GPRS Connectivity Management.
- ✓ 1 x RS-485 port for Modbus, 1 x Utility port for Configuration
- ✓ Configurable Multiple Slave IDs, Selectable Address Range
- ✓ RS485 Transparent or Modbus Polling - Formatted to (ASCII/HEX/RawHEX)
- ✓ Data Logger during Server/Network Disconnection
- ✓ Authorized numbers list for commanding
- ✓ Configurable TCP/Http/Https Mode, GET/POST Methods
- ✓ Configurable JSON Format for Parameter Packetization
- ✓ Remote Configuration through IP Utility/Server IP Commands
- ✓ Additional 2 x Digital/Analog Channel (0V to 24V)
- ✓ OTA (Over The Air) Firmware upgrade.
- ✓ LED indicators provide Power, IP Connection, Modbus status.
- ✓ Configurable Server connection on demand or Always connected.
- ✓ Keep Alive command to maintain socket connection
- ✓ Packetization methods: Packet length / Time interval / Special End Char.



Power Generation Status?

Temperature Status?

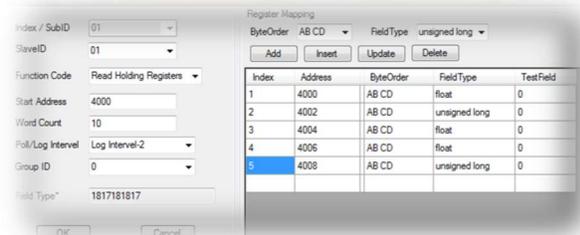
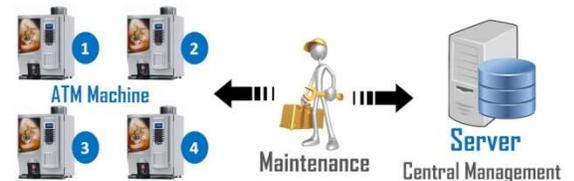
Fuel Monitoring?



Battery Maintenance Alert!

Power Consumption?

Overall Generation?



Monitor and Control your Device

Any Time! Any Where!

## Technical Specification

### Ethernet

<b>Interface</b>	RJ45 Ethernet 10BASE-T or 100BASE-TX (Auto)
<b>Speed</b>	10/100 Ethernet Half/ Full Duplex (Auto negotiating)
<b>TCP/IP Protocols</b>	TCP, UDP, ICMP, IPv4, ARP, IGMP, PPPoE
<b>Modbus protocol</b>	Modbus RTU Master
<b>Configuration</b>	Auto Discover and Config using IP Utility

### Interfaces

<b>Power Supply</b>	12V to 24V DC (Reverse Polarity Protection)
<b>Input Port</b>	2 Chanel (0 to 24V) Analog/Digital Input
<b>LED Indicator</b>	Power, IP, Modbus Communication Status
<b>RS485 Port</b>	Multiple Modbus Slave Device Connection
<b>RS232 Port</b>	PC Utility for Device Configuration

### General Communication

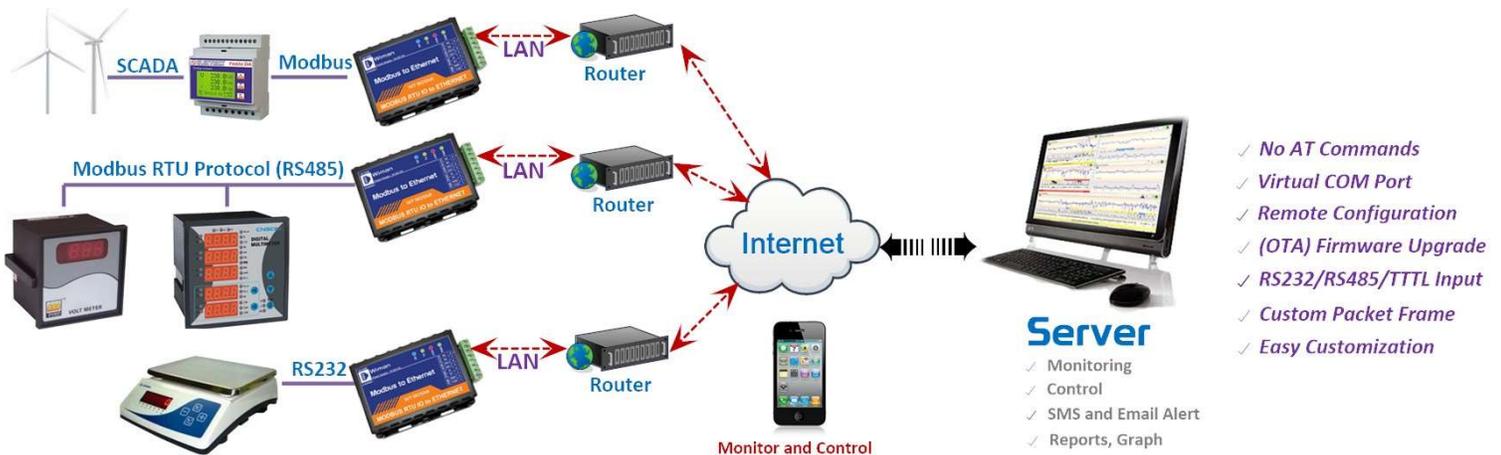
<b>Transmit Protocol</b>	Configurable TCP, HTTP, HTTPS
<b>Http Methods</b>	Configurable GET/POST
<b>Protocol Format</b>	Configurable JSON/String Format
<b>Device Configuration</b>	Serial/IP Utility / Server IP Commands
<b>RS485 Modes</b>	Transparent / Modbus Polling Formatted (ASCII/HEX/RawHEX)
<b>Serial Packet Format</b>	Packet Size / Time interval / Special End Char
<b>OTA</b>	Firmware Updating via FTP

### General Specifications

<b>Connector Interface</b>	Micro Fit-5.0 (8 pins – 2 Power/2 Modbus/2 IOs)
<b>Dimension</b>	100mm x 85mm x 24mm ( L x W x H )
<b>Weight</b>	160 grams
<b>Operating Voltage</b>	10V - 24V DC
<b>Operating Temperature</b>	Operating: -10C to +55C

### Serial Specification

<b>Electrical Standard</b>	TTL or RS232 or RS485
<b>Connector</b>	Micro Fit-5.0 (8 pins – 2 Power/2 Modbus/2 IOs)
<b>Baud Rate</b>	2400, 4800, 9600, 19200, 38400, 57600, 115200 bps



\*We pursue a policy of continuous research and product development, Specifications and features are subject to change without notice

### GPRS Gateway

- ✓ Modbus to GPRS Gateway
- ✓ TCP/Http - String/JSON
- ✓ 2 CH:ADI & 1 CH:4 to 20mA
- ✓ Multiple Slave, Remotely Configurable



### RFID Solutions

- ✓ GPRS, VTS Optional
- ✓ School Bus, Attendance
- ✓ Students Tracking
- ✓ Staff, Hostel Management



### Contact Info

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