SaiGon®
Technolog

M500S-C-W-N
Wireless Remote IO Module with Modbus TCP slave for Wifi network

WiFi

Modbus TCP

Modbus RTU

- Features

- High Performance Cortex M3 32-bit ARM
- Protocols: Modbus RTU & Modbus TCP slave
- 1 x RS-485
- 6 Analog inputs: 4-20 mA, 0-10 V
- 4 Digital inputs
- 2 Digital outputs
- Mounting: Din-rail
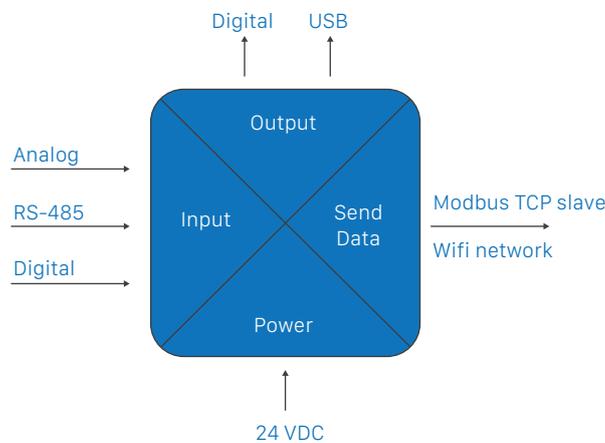
ISO 9001:2015
GUARANTEE
CERTIFIED

- Introduction

M500S-C-W-N is a ModbusTCP slave standard remote wireless IO module that easily connects to peripheral devices such as IoT Gateway, Data Logger...
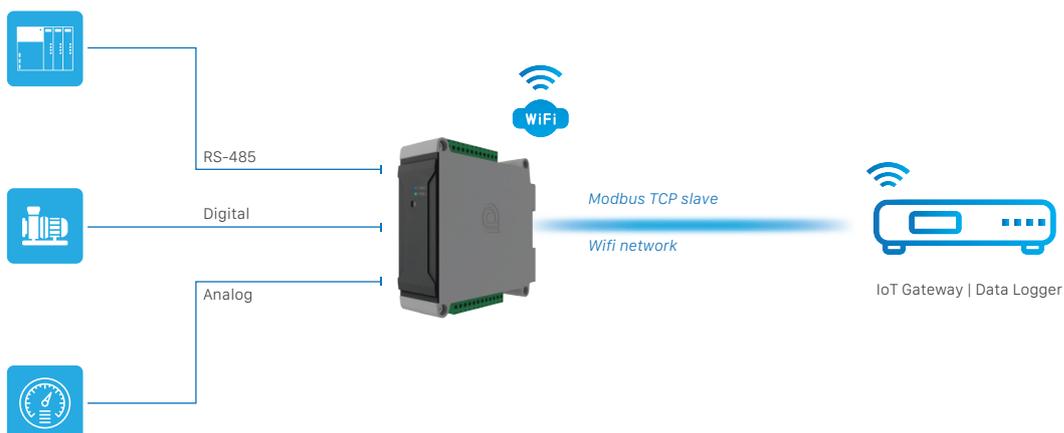
The modules have a simple yet powerful design with many built-in inputs/outputs allowing them to connect directly to more devices such as sensors, meters easily.

With industrial design for deployment in a wide range of wireless or outdoor applications.

The M500S-C-W-N Wireless IO Module collects data from 4-20mA, RS-485, Digital signals and sends the data out by wifi according to Modbus TCP protocol for easy application deployment.
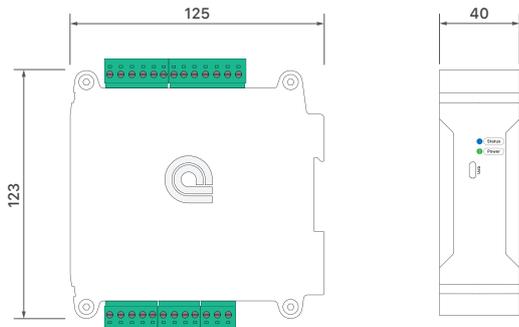

Digital   USB

Output

Analog →

RS-485 →   Send   Modbus TCP slave
          Input   Data
Digital →   Wifi network

Power

24 VDC

- Application Example

RS-485

Digital

WiFi

Modbus TCP slave

Wifi network

Analog

IoT Gateway | Data Logger

- Specifications

Control system	
MCU	Cortex M3 32-bit ARM
Power Supply	12...24 VDC
Protection Degree	IP20
USB port	Support 1 x Micro B
Communication	
Protocols	Modbus RTU & Modbus TCP slave
Interfaces	• Support 1 x RS-485 master: connect with max. 3 slave • Send data by Wifi network
Analog input	
Channels	6 (option 8-CH)
Type	Voltage: 0...10 V Current: 0...20 mA, 4...20 mA
Resolution	24-bit
Digital/ Pulse input	
Channels	4
Digital output	
Channels	4
General	
Dimensions (LxWxH)	125mm x 40mm x 123mm
Operating Temp.	-5...45°C
Mounting	Din-rail

- Dimensions

• Drawings and dimensions (all dimensions in milimeters)

- System LED

LED	Color	Function Description
Power	Green	Light on: have power supply
Status	Blue	Blink: Data transmission

- Wiring

• M500S-C-W-N with simplified wiring diagram, Users can conveniently choose from 12VDC to 24VDC power supply. Follow the diagram below for wiring.