MDC-211-WF

Wi-Fi Modbus Data Concentrator (Asia Only)

Features

- Compatible with IEEE 802.11 a/b/g/n standard
- Support Infrastructure and Limit-AP mode
- Support WPA-PSK, WPA2-PSK for Wi-Fi encryption
- Support Ethernet, RS-232/485 and Wi-Fi interfaces
- Support Web-based UI Operations
- Support the Modbus TCP/RTU protocol
- Support 240 Modbus Polling Commands
- Supports 9600 Modbus Registers for DI/DO/AI/AO

Introduction

MDC-211-WF Modbus data concentrator developed by ICP DAS, with Ethernet, WiFi Wireless, RS-232 and RS-485 communication interfaces, can link the Modbus RTU devices to the Ethernet network. MDC-211-WF can read the data of Modbus RTU device according to the user-defined command table, and integrate the data of different Modbus RTU devices into the format of the continuous address so that the remote monitor host can connect to MDC-211-WF from Ethernet to access the data of multiple Modbus RTU devices at once.

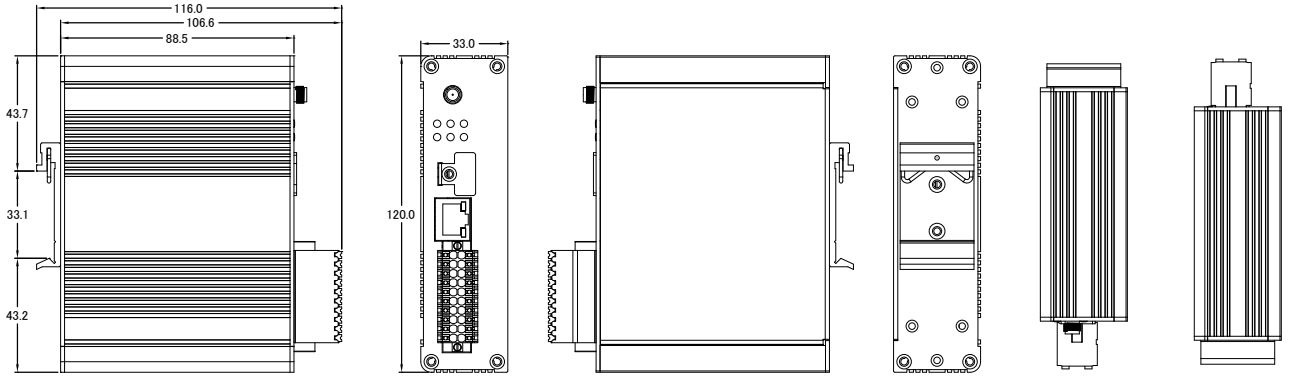
Applications

System Specifications

Wi-Fi	
Standards	IEEE 802.11a/b/g/n
Protocol	Modbus TCP Slave
Mode	Limit-AP/Infrastructure
Frequency	2.4 GHz: CH1~11 5 GHz: CH36,40,44,48
Encryption	Open/WEP/WPA/WPA2
Channels	Channel, 2.4 GHz Channel, 5 GHz
Antenna	Omni-Directional 3 dBi @2.4 GHz / 5.5 dBi @ 5 GHz
COM Ports	
Ports	1 x RS-232 1 x RS-485
Baud Rate	1200 ~ 115200 bps
Protocol	Modbus RTU Master/ Slave
Polling Definition	Up to 240 Modbus command definitions for all Wi-Fi/RS-232/ RS-485 ports
Ethernet	
Ports	1 x RJ-45, 10/100Base-T(X)
Protocol	Modbus TCP Slave
Configuration	Web-based User Interface

Power	
Input Range	+10 VDC ~ +30 VDC
Mechanical	
Casing	Metal
Dimensions (W x L x H)	33 x 120 x 116 (W x L x H)
Installation	DIN-Rail
Environment	
OperatingTemperature	-25 ~ +75 °C
Storage Temperature	-40 ~ +85 °C
Humidity	10 ~ 95% RH, Non-condensing

Dimensions (Units: mm)



Left View | Front View | Right Side View | Rear View | Top View | Bottom View

Ordering Information

MDC-211-WF CR	Wi-Fi Modbus Data Concentrator with 1 x Ethernet, 1 x RS-232 and 1 x RS-485 (RoHS) (Asia Only)