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2 Port Modbus RTU to ModbusTCP on WiFi Converter, Model SC10MK2 MT W



Modbus is an industry adopted communication protocol. Serial Modbus to Wi-Fi Modbus TCP Converter provides a perfect solution to make your Serial devices Internet / Ethernet ready, instantly, via WiFi LAN making it possible for your software to access serial devices anywhere and anytime.

It can be configured through any WiFi device. The Wi-Fi function maintains interoperability within the 2.4 GHz frequency band, offering full compatibility with 802.11b/g/n networks. You can connect a wireless device in Soft AP mode for configuration.

Features

- CPU : MT7688AN MIPS CPU, 580 MHz
- RAM : 128M Bytes DDR2 RAM
- ROM : 32M Bytes Flash ROM
- OS : Open Wrt Linux OS

- Support Modbus TCP, Modbus RTU, Modbus ASCII
- Support 8 simultaneous TCP Masters and 32 simultaneous requests per Master

Ethernet * 1

Port Type : RJ-45 Connector
Speed : 10 /100 M bps (Auto Detecting)
Protocol : ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, DNS, NTP
Setup : HTTP Browser Setup (IE & Chrome)
Security : Setup Password
Protection : Built-in 1.5KV Magnetic Isolation

Serial Ports * 2

Port 1 : RS232
Port 2 : RS422 / 485 Surge Protected
Speed : 300 bps to 921.6 K bps
Parity : None, Odd, Even
Data Bit : 5, 6, 7, 8
Stop Bit : 1, 2
RS-232 Pins : Rx, Tx, GND
RS-422 : Rx+, Rx-, Tx+, Tx- (Surge Protect)
RS-485 : Data+, Data- (Surge Protect)
15KV ESD for all signals

Auto Direction Control

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WiFi

Standard : 802.11b/g/n
Data Rate : 11/54/72.2 Mbps @ 20 MHz Band Width
Modulation : DSSS, OFDM
Frequency : 2.4GHz

Tx Power 11b : Max. 22dBm
Tx Power 11g/n : Max. 19dBm
Rx Sensitivity : -76dBm@54Mbps, -89.5dBm@11Mbps
Tx Rate : Max. 54Mbps with auto fallback

Tx Distance : Up to 100m
Security : WEP 64-bit / 128-bit data encryption, WPA / WPA2 personal
Antenna : 2 dBi, RP-SMA connector

Modes

Network Mode : Infrastructure, Soft AP (for Setup)
Mode : TCP Server/ TCP Client/ UDP/ Virtual Com/ Pairing

Power

DC 24V. Range 9 to 30V on Screw type terminals or DC Jack.
200mA@12V

Other Features

LED's : SYS, LAN, RX, TX, WiFi
Watch Dog Function

Mechanical

Dimensions : 110 * 90 * 26 mm (W * H * D) including mountings
Weight : 110 gm
Housing : Plastic

Environment

Operating Temperature: -20°C to 75°C
Storage Temperature : -25°C to 80°C

Model Code : SC10MK2 MT W

SC10MK2 : Base Code for 2 Port Modbus RTU to Modbus TCP Converter
MT : Fixed
W : Modbus TCP over WiFi