

Modbus RTU to ModbusTCP + WiFi Converter, Model SC10MK W X E



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.

High end CPU makes it an ideal choice for applications like Energy Meters, Solar controls, Data connectivity applications between DCS, PLC, HMI, Sensors, Measuring instruments etc.

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

- RS232 (DB9) / RS422-485 (Terminal block)*1
- Modbus RTU/ASCII To Modbus TCP Gateway + WiFi
- CPU : 32-bit Microprocessors
- RTOS

Ethernet

Port Type : RJ45 Connector
Speed : 10 /100 M (Auto Detecting)
Protocol : ARP, IP, ICMP, UDP, TCP, HTTP, DHCP
Modbus TCP to Modbus RTU Slave & Modbus TCP To Modbus ASCII Slave Mode
Modbus RTU to Modbus TCP Slave & Modbus ASCII To Modbus TCP Slave Mode
Mode : TCP Server / TCP Client / UDP
Setup : HTTP Browser Setup
Security : Setup Password
Protection : Built-in 1.5KV Magnetic Isolation

WiFi port

- ✓ 2.4G WiFi IEEE 802.11 b/g/n
- ✓ Support Station Mode
- ✓ Spread Spectrum Technology: DSSS, OFDM
- ✓ Tx Power 11b: Maximum 20 dBm
- ✓ Tx Power 11n: Maximum 14 dBm
- ✓ Rx Sensitivity: -75 dBm @ 54 Mbps, -88 dBm @ 11Mbps
- ✓ Transmission Rate: 54 Mbps (max) with Auto fallback
- ✓ (54, 48, 36, 24, 18, 12, 11, 9, 6, 5.5, 2, 1 Mbps)
- ✓ Transmission distance: Up to 100 meters (@12 Mbps, in open areas)
- ✓ Security: WEP 64-bit/128-bit data encryption, AES, WPA2
- ✓ Antenna Connector: Reverse SMA, 2 dBi Antenna
- ✓ Network Mode: Infrastructure

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Serial Port

Port : RS232 or RS422/485 * 1 Port (RS232 : 3 Wire only)
Speed : 300 bps to 230.4 Kbps
Parity : None, Odd, Even, Mark, Space

Data Bit : 5, 6, 7, 8
Stop Bit : 1, 2
RS-232 Pins : Rx, Tx, GND
RS-422 : Rx+, Rx-, Tx+, Tx-
RS-485 : Data+, Data-

15KV ESD for all signals
RS485 Signals Surge Protected

Connectors : DB9 Male for RS232 &
: 4 Pin Screw type Terminal Block for RS485/422

Power

24V DC. Range DC 9 to 32 V, 500mA@24V. Screw Terminal and DC Jack

LED Indicators

PWR, LAN, WiFi, Port1, Port2

Environment

Operating Temperature : -20°C to 70°C
Storage Temperature : -25°C to 80°C

Mechanical

Dimensions : 100 * 90 * 250 mm
Weight : 150 gm
Enclosure : Plastic

Ordering Code : SC10MK W X E

SC10MK : Base Model for Modbus RTU to ModbusTCP Converter
W : WiFi (Optional)
X E : Fixed