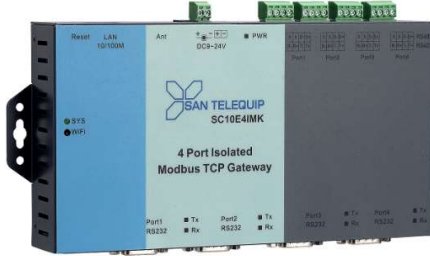


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#### 4 Port Isolated Modbus RTU to Modbus TCP Gateway, Model SC10E4I MK



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

Support 8 Modbus TCP Master each with 32 simultaneous request or 8 TCP Slave on each RTU

port.

#### Ethernet

Port Type : RJ-45 Connector  
Speed : 10 /100 M bps ( Auto Detecting )  
Protocol : ARP, IP, ICMP, TCP, HTTP, DHCP, Modbus RTU, Modbus TCP  
Protocol : NTP, FTP  
Mode : TCP Server / TCP Client / RTU Master / RTU Slave  
Setup : HTTP Browser Setup (IE & Netscape), Console  
Security : Setup Password  
Protection : Built-in 1.5KV Magnetic Isolation

**Modbus TCP Master needed to be assigned different port no's for each Serial port e.g. 502, 503, 504 & 505**

#### WiFi port

Standard : 802.11b/g/n  
Data Rate : 11/54/72.2 Mbps @ 20Mhz 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, AES, WPA / WPA2 personal, WPS2.0, WAPI  
Antenna : 2 dBi, RP-SMA connector  
Network Mode : Infrastructure, Ad-Hoc; Soft AP (for Setup)  
Mode : TCP Server / TCP Client / RTU Master / RTU Slave  
Setup : HTTP Browser Setup (IE, Chrome, Firefox)  
Security : Login Password  
Reset Button

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### Serial Ports \* 4

Port : RS 232/422/485 \* 4 Port, RS232 - RX/TX only  
Speed : 300 bps to 921.6 K bps  
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- ( Surge Protect )  
RS-485 : Data+, Data- ( Surge Protect )  
Connectors : 4 Pin Terminal block for RS485/422  
              : DB9 for RS232

### Protection

Surge protection : 600W for RS422 / 485 Port  
ESD protection : 15KV for all signals  
Isolation : 3000V DC

### Power

DC 9~32 V, 300mA@12V. Support Terminal Input & DC Jack

### Other Features

Digital Input / Output : GPIO \* 8 Pins  
Led Lamp : SYS, PWR, WiFi, LAN, RX, TX  
Watch Dog Function

### Mechanical and Environment

Operating Temperature : -20°C to 70°C  
Storage Temperature : -25°C to 80°C  
Dimensions : 195 \* 120 \* 35 mm ( W \* H \* D )  
Weight : 660 gm  
Mounting : Back of Panel / Provision for DIN Rail

### Model Code : SC10E4I MK W

SC10E4I MK : Base Model  
              : 4 Port Isolated RS232/RS485/RS422 to Ethernet Gateway  
M : Supporting Modbus RTU to Modbus TCP Conversion  
K : Fixed  
W : WiFi Optional