

Dual Port Modbus RTU/ASCII to Modbus TCP Converter, SC10MK2 MT Series



Modbus is an industry adopted communication protocol.
SC10MK2 MT is a 2 Port Modbus RTU to Modbus TCP Converter.
SC10MK2 MT allows up to 8 Modbus/TCP masters and with 32 simultaneous requests per Master, to get the polling data via the Ethernet.
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 is specially designed to operate with 230V AC / 48, 110, 220V DC.

It has Dual Power Input with an additional option of PoE Power

Hardware

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
- TCP to RTU support 8 simultaneous TCP Master, 32 simultaneous requests per Master

Ethernet Port * 1

Port Type : 1 Port, RJ45 Connector
Speed : 10 /100 Mbps (Auto Detection)
Protocol : ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, NTP, DNS
Setup : HTTP Browser Setup, IE, Chrome, Firefox, Console
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

Wi-Fi (Optional)

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

San Telequip (P) Ltd.,
504 & 505 Deron Heights, Baner Road
Pune 411045, India
Phone : +91-20-27293455, 9764027070, 8390069393
email : info@santelequip.com



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

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

Power Supply Options

Dual Power : 230V AC Range 110V AC to 265V AC, 3 Pin Terminal block
: 48, 110, 220V DC. 3 Pin Terminal block.
: < 4W
: Power over Ethernet 802.3 af (optional)

Other Features

Config Utility : WIN-10, Win-8, Win-7, Vista , Win-XP, Win-2003 server, Win-2000
Security : Login Password
Indications : LED's for SYS, PWR, LAN, RX, TX
Real Time Clock
Watch Dog Function

Mechanical

Dimensions : 114 * 34 * 140 mm (H * W * D) for DC Supply
: 114 * 34 * 140 mm (H * W * D) for AC Supply

Weight : 450 gm
Housing : Metal
Mounting : DIN Rail

Environment

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

Product Ordering Code : SC10MK2 MT X YYY P W

SC10MK2 : Base Code for 2 Port Modbus RTU to Modbus TCP Converter
MT : Fixed
X : A for AC, D for DC Power Supplies
YYY : 230 for 230V AC. 48, 110, 220 for resp DC Input
P : PoE-af Power optional
W : WiFi Optional