

San Telequip (P) Ltd.,
504, 505 Deron Heights, Baner Road,
Pune 411 045, India

Phone : +91-20-27293455, 9764027070, 8390069393
email : info@santelequip.com



Connecting. Converting. Leading!

Dual Port Modbus RTU/ASCII to Modbus TCP Converter, Model SC10MK2 485



Modbus is an industry adopted communication protocol based on RTU, ASCII, and TCP protocols for various applications. These three protocols are commonly used by various applications in the industry such as DCS, PLC, HMI, Power meters, Solar, various Sensor and Measuring instruments. SC10MK2 has 2 RS485 ports and converts between Modbus RTU/ASCII and Modbus TCP protocols. Users can easily integrate Modbus TCP and Modbus Serial devices. Configuration is by Web browser.

CPU : 32-bits ARM-Cortex-M4 CPU, 120 MHz
RAM : 256 K Bytes SDRAM
ROM : 1M Bytes Flash ROM

Ethernet Port * 1

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

Note : Modbus TCP Master : In the TCP Settings, the Port number needs to be different e.g 502 & 503

Serial Port * 2 ports

Port-1 : RS485, RS422, 4 Pin screw type connectors
Port-2 : RS422, RS485, 7 pin screw type connectors.
RS-422 : Rx+ , Rx- , Tx+ , Tx- (Surge Protected)
RS-485 : Data+ , Data- (Surge Protected)
Protection : 600W Surge Protection, Over current protection, 15KV ESD for all signals
Speed : 300 bps to 230.4Kbps
Parity : None, Odd, Even, Mark, Space
Data Bit : 5, 6, 7, 8
Stop Bit : 1, 2

Watch Dog Function

Built in RS422/RS485 Pull Up/Down Resistor for both ports

Configuration Utility : Support Win-8, Win-7, Vista, Win-XP, Win-2003 server, Win-10

MTBF : > 100,000 hours

LED Indication : SYS (PWR),Port1, Port2, LAN, ACK

Power

Power : 24 V DC. 120mA @ 12V DC. Screw type Terminal block
: 230V AC External Adapter. 9 to 30V DC

Power Consumption : 2W

San Telequip (P) Ltd.,
504, 505 Deron Heights, Baner Road,
Pune 411 045, India



Phone : +91-20-27293455, 9764027070, 8390069393 Connecting. Converting. Leading!
email : info@santelequip.com

Environment

Operating Temperature : -10°C to 70°C
Storage Temperature : -20°C to +85°C
Humidity : 10 to 95%rh Non Condensing

Mechanical

Dimensions : 90 * 60 * 25 mm (W * D * H)
Weight : 100 gm
Mounting : DIN Rail & Panel mounting

Model Code Sélection : SC10MK2 485

SC10MK2 485 : Base Model for Dual Port Modbus RTU/ASCII to Modbus
TCP Converter