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Connecting. Converting. Leading !

### Modbus RTU/ASCII to Modbus TCP Protocol Converter, Model SC10MK Series



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. SC10MK converts between Modbus RTU/ASCII and Modbus TCP protocols. Users can easily integrate Modbus TCP and Modbus Serial devices. Configuration is by Web browser. SC10MK supports 8 simultaneous TCP Master. 32 simultaneous requests per Master. Serial Master can access 8 TCP Slaves

CPU : 32-bit ARM 7 CPU , 80 MHz  
RAM : 8M bytes SRAM  
ROM : 4M bytes Flash ROM  
µClinux OS

#### Ethernet

Port Type : RJ45 Connector, Built-in 1.5KV Magnetic Isolation  
: 10 /100 M bps (Auto Detect)  
Modes : RTU Master & Slave, ASCII Master & Slave, TCP Master & Slave  
Master TCP : 8 simultaneous TCP Master. 32 simultaneous requests per Master.  
Serial Master can access 8 TCP Slaves

Protocol : ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, DNS, NTP, Telnet  
Configuration : Built-in Web server. Easy Operation  
Setup : HTTP Browser Setup (IE & Netscape), Console, Password

OS Supported : Win2000/2003/XP/Vista/Win7/Win8/uClinux  
Security : Setup Password  
Online Firmware update via Ethernet

#### Serial Port

Port : 1 \* RS232 or RS422/RS485  
Speed : 300 bps to 230.4 K bps  
Parity : None, Odd, Even, Mark, Space  
Data Bit : 5, 6, 7, 8  
Stop Bit : 1, 2  
RS-232 Pins : Rx, Tx, GND, RTS, CTS, DTR, DSR, DCD  
RS-422 : Rx+, Rx-, Tx+, Tx-  
RS-485 : Data+, Data-  
Built in RS-422/RS-485 Terminal Resistor  
Protection : 15KV ESD for all signals  
Protection : 600W Surge Protection on RS485/RS422 signals

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#### Watch Dog Function

LED Indications : SYS (PWR), LAN, Tx/Rx  
MTBF : > 100,000 hours

#### Power

Power : 230V AC Range 165V AC to 265V AC, 3 Pin Screw type terminals  
: DC Options: 48, 110, 220V DC

Power Consumption: 3W

#### Environment

Operating Temperature : -10°C to 70°C  
Storage Temperature : -20°C to 80°C  
Humidity : 10 to 95%rh Non Condensing

#### Mechanical

Dimensions : 35 \* 116 \* 131 mm (W \* H \* D)  
Weight : 500 gm  
Mounting : Support DIN-Rail

#### Model Code : SC10MK X YYY I

SC10MK : Base Model  
X : A for AC Supply. D for DC Supply  
YYY : 230 for 230V AC. Range 90 to 270V AC  
: 48/110/220 for 48 or 110 or 220V DC  
I : Internal Supply