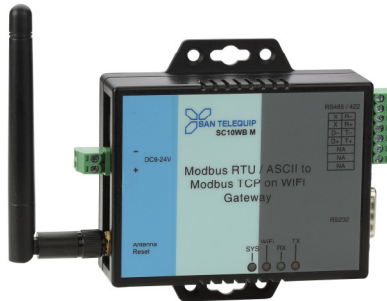


## Serial to Wireless LAN Converter, Model SC10WB Modbus



Serial to Wi-Fi Converter provides a perfect solution to make your Serial devices Internet / Ethernet ready, instantly, via wireless LAN making it possible for your software to access serial devices anywhere and anytime.

SC10WB ensures the compatibility of network software that uses a standard network by providing TCP Server Mode, TCP Client Mode, and UDP Mode and Virtual Com ports can be set up to work over a TCP/IP network in no time

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

SC10WB has WiFi connection. Connect a wireless device in Soft AP mode. After configuration, IP address of WB is known. In WB web page you can set WB as TCP client, assign a remote server IP address, and send data to remote server automatically

### Specifications

#### Hardware

CPU : ARM-9, Linux, 200 MHz 32MB Internal SRAM and 64MB Flash ROM  
Built in RTC and Hardware Watchdog timer

#### Interface : WLAN

Standard Compliance	: IEEE 802.11 b/g/n
Spread Spectrum Technology	: DSSS, OFDM
Tx Power 11b	: Maximum 19 dBm
Tx Power 11g/n	: Maximum 16 dBm
Rx Sensitivity	: -73 dBm @ 54 Mbps
	: -86 dBm @ 11Mbps
Transmission Rate	: 11/54/72.2 Mbps @ 20Mhz bandwidth
Frequency	: 2.4G
Tx Rate	: Max. 54Mbps with auto fallback.
Transmission distance	: Up to 100 meters
Security	: WEP 64-bit/128-bit data encryption, AES, WPA/WPA2 Personal WPS2.0, WAPI
Antenna Connector	: 2 dBi, Reverse SMA
Network Mode	: Infrastructure, Ad-Hoc, Soft AP ( For Configuration )
Operating Mode	: TCP Server / TCP Client / UDP / Virtual Com

#### Interface : LAN for Configuration / Ethernet hub

Ethernet Wifi	: For Configuration also
	: Web Browser based Configuration
Protection	: Built-in 1.5 KV Magnetic Isolation

#### Software Features

Support 4 Modbus modes.  
Modbus RTU/ASCII slave to Modbus TCP Master. Modbus TCP slave to Modbus RTU/ACSII Master  
It also support 8 TCP Masters simultaneously and Serial Master can access upto 8 TCP Slaves

Utilities : IP Search & Configuration

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Connecting. Converting. Leading !

**Serial mode** : Virtual Com / TCP Server / TCP Client / UDP / Pairing  
**OS Supported** : 2000 / XP / 2003, VISTA, WIN7, WIN8  
**Security** : Log In Password

### Interface: Serial

No. of Ports : 1. RS232/RS485 S/W selectable  
RS-232 Signals : TxD, RxD, RTS, CTS, DSR, DTR, GND  
RS-422 Signal : Tx+, Tx-, Rx+, Rx -  
RS-485 Signal : Data+, Data-  
Connectors : RS232:DB9 male. RS485/422. 7 Pin screw type terminal  
Serial Line Protection : 15 KV ESD for all signals  
: Surge & Over Current Protection

### Serial Communication Parameters

Parity : None, Even, Odd, Space, Mark  
Data bits : 5, 6, 7, 8  
Stop bits : 1, 1.5, 2  
Flow control : None, XON / XOFF  
Speed : 110 bps to 115.2 kbps

### Power Requirements

Power input : 12 VDC. Range 9 to 24V DC, 200mA@12V DC

### Environmental

Operating Temperature : -10 to 65°C  
Storage Temperature : -20 to 75°C  
Humidity : 5 to 95%RH non condensing

