DATA SHEET

STM-1001C-W

Serial RS-232, RS-422/485 to WiFi 802.11n Modbus Gateway

Port Configuration

- 1*RS-232/422/485 + 1*IEEE 802.11b/g/n with 2dBi antenna

Operating Temperature

- -10~65°C

Key Features

- 4 Modbus modes Browser selectable (RTU/ASCII slave to TCP master, TCP slave to RTU/ACSII master)
- Support 8 TCP Masters simultaneously
- Surge protection and over current protection in serial port
- ESD 15KV protection in serial port
- Login password supported for security protection
- Web-based for friendly setup
- Software selectable for RS-422/485

STM-1001C-W – the serial port to Wifi 11n Modbus gateway with -10~65°C operating temperature, perfect to install in industrial environments.

STM-1001C-W serial to WiFi Modbus gateway is an industrial grade converter with standard IEEE 802.11b/g/n wireless protocol. This gateway supports standard Modbus protocol with four modes, including RTU/ASCII slave to TCP master, TCP slave to RTU/ACSII master. There is a combo serial port to support RS-232/RS-422/RS-485 for having high flexible connection. The Modbus gateway with the operating temperature ranging from -10 to 65°C and 9~24V DC power input is better for lite-industrial application. The STM-1001C-W with a compact size which supports wall mounting installation can set up in industrial environment more easily.

The Modbus gateway, including 15KV ESD protection and high surge protection can provide highly reliable serial communication network.

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Hardware Specifications

Port Configuration	1*RS-232/RS-422/485 + 1*IEEE802.11b/g/n with 2dBi antenna		Security	WEP 64-bit/128-bit data encryption AES, WPA/WPA2 personal, WPS2.0, WPAI
RS-232			Antenna	2dBi RP-SMA connector
Connector	DB-9			
Signals	Rx , Tx , GND , RTS , CTS , DTR , DSR , DCD		**Management**	
			Protocol	ARP, IP, ICMP, UDP, TCP, HTTP, DHCP
RS-422/485			Software	TCP Server / TCP Client / UDP / Virtual Com / Pairing
Connector	Terminal block (4-pin)		Mode	RTU Slave, RTU Master, ASCII Slave, ASCII Master
Signals	RS-422: TX+, TX-, RX+, RX- RS-485: D+, D-		CPU	ARM-9, 200MHz
Surge Protection	Supported		RAM	32MB
Built in Terminal	Supported		ROM	64Mb
			Watchdog timer	Built in
Serial Communication			Managed Interface	HTTP through Wireless
Serial Signal Selection	Software selection RS-232 / 422 / 485 Signal		Security	Login password protection
Baud rate	100bps~115.2kbps		Power Input voltage	9~24VDC (External DC Power adapter)
ESD protection	15KV		Over current protection	Supported
Surge protection	Supported		Power consumption	4Watt (Max)
Over Current Protection	Supported		Operating Temperature	-10°C~65°C
			Operating Humidity	10 to 95% RH (non-condensing)
Wireless			Mounting	Wall-Mounting
Standard	IEEE 802.11 b/g/n		Storage Temperature	-20°C~70°C
Data Rate	11Mbps, 54Mbps, 72Mbps		Storage Humidity	5 to 95% RH (non-condensing)
Frequency	2.4G		Housing Protection	Plastic
Tx Power	11b: Max. 19dBm 11g/n : Max. 16dBm		Dimensions (WxHxD mm)	100x25x90
			Weight	155g
			EMI	CE (EN55022 Class A, EN55024) FCC Part15 class A

Ordering Information

Part Number	Description
STM-1001C-W	1*RS-232/RS-422/485 + 1*IEEE802.11b/g/n with 2dBi antenna , serial to WiFi Modbus Gateway (-10°C~65°C)

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