

Wi-Fi Serial Server

Specifications

System Information

Processor	MIPS solution (32bit 580MHz)
RAM / Flash	8M / 2M

Ethernet

Port Number	1
Interface Standard	8 pin RJ45
Rate	10/100 Mbps, MDI/MDIX, Auto switch between cross and direct connection
Protection	2KV electromagnetism isolation Schell insulation blocking
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP ICMP, Web socket, Httpd client
Receive Buffer	64K byte
Max. TCP Connection	32

Wi-Fi

Standard	802.11 b/g/n
Network Mode	AP / Station / AP+Station
Access Terminal Quantity in AP Mode	32
Frequency Range	2.412 GHz - 2.484 GHz
Transmit Power	802.11b: +20 dBm (Max)
	802.11g: +18 dBm (Max)
	802.11n: +15 dBm (Max)
Receive Sensitivity	802.11b: -89dbm
	802.11g: -81dbm
	802.11n: -71dbm
RF Model	DSSS / OFDM
Transmission Rate	802.11b: 11 Mbps
	802.11g: 54 Mbps
	802.11n: 54 Mbps
Transmission Range	Max 400m (open horizon, 3dbi antenna) WEP: 64-bit/128-bit data encryption
Wireless Network Security	WPA, WPA2, 802.11i: advanced mode and PSK mode encryption: 128-bit TKIP, AES, TKIP/AES
Antenna Interface	SMA

■ ■ ■ USR-WIFI232-610

Serial RS232 RS485 to Wi-Fi Converter

It is wireless networking server, which is used for RS232/RS485 serial equipment to Wi-Fi or Ethernet networking.

■ ■ ■ RS232 RS485 to Wi-Fi

- Support Router/Bridge Mode Networking
- Support Hardware AP, HTTPD Client and WEB IO
- Support hardware flow control (RTS/CTS) RS232 interface male mouth(needle) consistent with computer pin definition
- RJ45 network connection, support wired Ethernet transmission
- Reload button, do not worry incorrect settings
- Rich status indicator light: Power Ready Link RXD TXD
- Support IEEE802.11b/g/n Wireless Standards
- Support Work As STA/AP/AP+STA Mode
- Support Transparent Transmission Mode
- Support RS232 RS485 Data Interface, RS232 RS485 automatic switching
- Support Websocket and UsrLink
- Support AT+ Instruction Set for Configuration
- Support Palmodic Signal

Serial

Port Number	2 (1*RS-232, 1*RS-485, can not work at the same time)
Interface Standard	RS-232: DB9 pin type; RS-485: 2 wire (A+, B-, GND)
Data Bits	5,6,7,8
Stop Bit	1,2
Check Bit	None, Even, Odd, Space, Mark
Baud Rate	300 bps - 460800 bps
Flow Control	RTS / CTS
Buffer	Send and receive 4K bytes respectively
Protection	RS-485: surge protection overvoltage protection
RS-485 Pull-up and Pull-down Resistor	2.2 KΩ

Basic Parameter

Size	84 x 84 x 25 mm
Operating Temp.	-25 ~ 85°C
Storage Temp.	-40 - 125°C
	5 ~ 95% RH (no condensation)
Input Voltage	DC 5 ~18 V
Working Current	140 ~ 350 mA @ 5V
Power	AP:140mA @ 5V
	STA:140mA @ 5V
	EPHY:170mA @ 5V
	AP: 60mA @ 12V
	STA: 60mA @ 12V
	EPHY:70mA @ 12V

Software

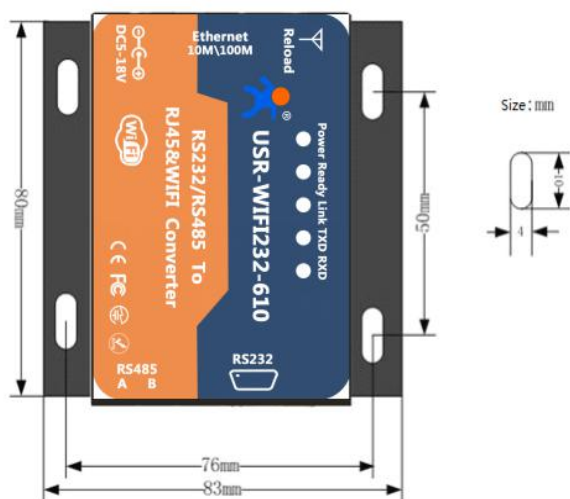
Virtual Serial USR-VCOM	Windows 2000 or higher (32 bit/64 bit)
Configuration	Built-in webpage, Serial AT command Computer set-up software

Accessories

- 5V 1A high-quality power supply
- Female to female serial line, Cable, 3dbi antenna

More

Certificate	FCC/CE/ROHS/TELEC
Warranty	2 years



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