

# Wi-Fi Serial Server

■ ■ ■ USR-WIFI232-630

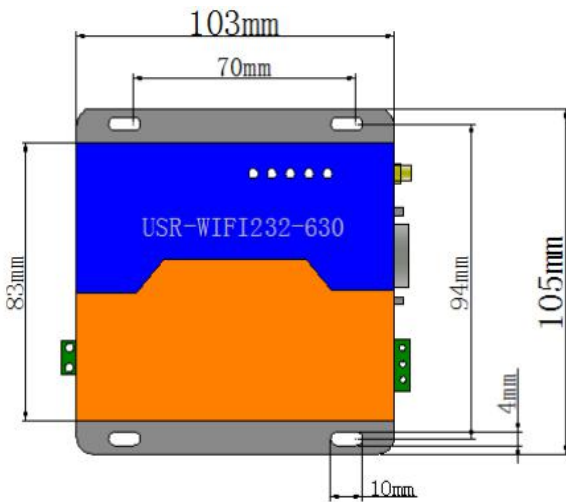
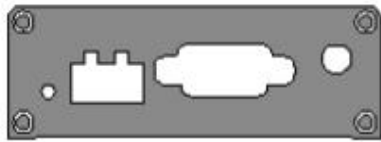
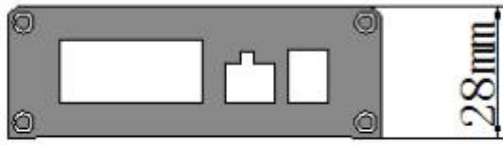
Specifications	
<b>System Information</b>	
Processor	MIPS solution (32bit 360MHz)
RAM / Flash	8M / 1M
<b>Ethernet</b>	
Port Number	2 (with exchange function)
Interface Standard	8 pin RJ45 (2 Ethernet : LAN/WAN optional)
Rate	10/100 Mbps, MDI/MDIX, auto switch between cross and direct connection
Protection	2KV electromagnetism isolation Shell insulation blocking
Network Protocol	IP, TCP, UDP, DHCP, DNS, HTTP, ARP, ICMP Web socket, Httpd client
Receive Buffer	64K byte
Max. TCP Connection	32
<b>Wi-Fi</b>	
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

## 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. And It has 2 channel RJ45 port.

■ ■ ■ RS232 RS485 to Wi-Fi

- Support exchanger and router function
- Support Hardware AP, HTTPD Client and WEB IO
- Support TCPB Function
- Support hardware flow control (RTS/CTS) RS232 interface, male mouth(needle) consistent with computer pin definition
- Support Websocket and UsrLink
- RJ45 connection, support wired Ethernet transmission
- Reload button, do not worry incorrect settings
- Support RS232 RS485 Data Interface, RS232 RS485 automatic switching
- Rich status indicator light: Power/Ready/Link/NET1/NET2
- Design with positioning hole, convenient installation
- Highest support baud rate 460800 bps
- TCP Server/TCP Client/UDP Client/ UDP Server  
TCP Server mode can support up to 32 Clients
- Support mutual conversion between Modbus tcp and Modbus RTU
- Pin 9 of the DB9 can be connected to power input (solder jumper on the back of PCB), used for power the sensor or the serial port cable power Convert Server.
- Username/Password Verification
- Support Webpage Configuration



Jinan USR IOT Technology Limited  
 Tel: 86-531-88826739  
 Email: sales@usriot.com  
 Web: www.usriot.com  
 Support: h.usriot.com



### 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
	Lightning protection
	Over current protection
RS-485 Pull-up and Pull-down Resistor	2.2 KΩ

### Basic Parameter

Size	103 x 105 x 28 mm
Operating Temp.	-25 - 85°C
Storage Temp.	-40 - 125°C
Input Voltage	DC 5 ~40 V
Working Current	170 ~ 350 mA @ 5V
	AP: 170mA @ 5V STA: 170mA @ 5V EPHY(1): 210mA @ 5V EPHY(2): 250mA @ 5V
Power	AP: 60mA @ 12V STA: 60mA @ 12V EPHY(1): 80mA @ 12V EPHY(2): 100mA @ 12V

### Software

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

### Accessories

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

### More

Certificate	CE, FCC, ROHS, TELEC
Warranty	2 years