

W600-602 V2-604 V2 Comparison

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Overview

USR-W600 is developed to replace USR-WIFI232-602 V2 and USR-WIFI232-604 V2. This manual is mainly to introduce differences between W600 and 602 V2/604 V2.

Product appearance diagrams as follows:



Figure 1 USR-W600



Figure 2 USR-WIFI232-602 V2



Figure 3 USR-WIFI232-604 V2

1.Basic parameters

	USR-W600	USR-WIFI232-602 V2	USR-WIFI232-604 V2
Hardware parameters			
Serial port	RS232*1 RS485*1	RS232*1	RS485*1
Working voltage	5V~36V	DC 5V	
Working Temp.	-20℃~85℃	-40~85℃	
Storage Temp.	-40℃~125℃	-40~125℃	
Storage humidity	5~95%RH		
Wireless parameters			
Wireless standard	802.11 b/g/n		
Transmitting power	802.11b: +18 +/-1dBm(@11Mbps, CCK)	802.11b: +19dBm(Max.@11Mbps)	
	802.11g: +17 +/-1dBm(@54Mbps, OFDM)	802.11g: +18dBm(Max.@54Mbps)	
	802.11n: +15 +/-1dBm(@HT20, MCS7)	802.11n: +17dBm(Max.@HT20,MCS7) +17dBm(Max.@HT40,MCS7)	
Receiving sensitivity	802.11b: -85 dBm(@11Mbps, CCK)	802.11b: -89dBm (@11Mbps)	
	802.11g: -70 dBm(@54Mbps, OFDM)	802.11g: -81dBm (@54Mbps)	
	802.11n: -68 dBm(@HT20, MCS7)	802.11n: -73dBm (@HT20,MCS7) -71dBm (@HT40,MCS7)	
Antenna	SMA external antenna		

Figure 4 Basic parameters

2.Hardware

2.1.Interface



Figure 5 USR-W600 interface



Figure 6 USR-WIFI232-602 V2 interface

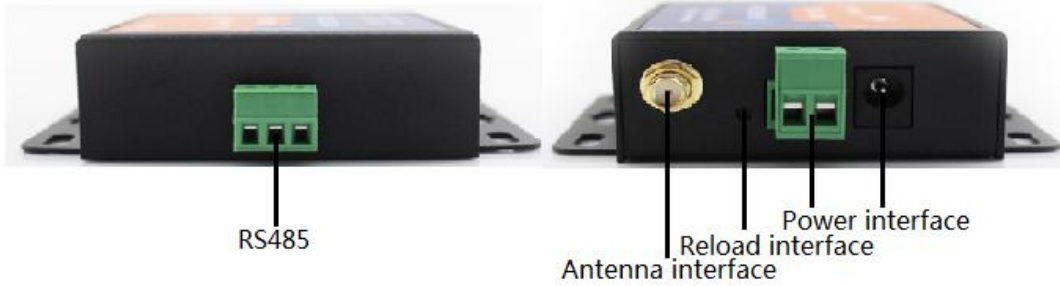


Figure 7 USR-WIFI232-604 V2 interface

2.2.LED



LED	Description
Power	Power LED will light after powering the module successfully
Ready(602 V2/604 V2)	Ready LED will light after module starting normally
Work(W600)	Work LED will blink every two seconds if module works normally.
Link	Link LED will light after establishing WIFI connection
TXD	TXD LED will blink when module sends data from serial side
RXD	RXD LED will blink when module's serial side receives data

Figure 8 LED

3.Functions

	USR-W600	USR-WIFI232-602 V2	USR-WIFI232-604 V2
WIFI			
WIFI mode	AP/STA/AP+STA(in AP or AP+STA mode, AP interface support at most 3 STA connection)	AP/STA/AP+STA(in AP or AP+STA mode, AP interface support at most 24 STA connection)	
Encryption mode	WPA-PSK/WPA2-PSK/WEP		
Work mode			
Transparent transmission mode	Support(Two sockets. Socket A supports TCP Server, TCP Client, UDP Server, UDP Client. Socket B supports TCP Client, UDP Server, UDP Client.. TCP Server supports at most 5 TCP Client connections)	Support(Two sockets. Socket A supports TCP Server, TCP Client, UDP Server, UDP Client. Socket B supports TCP Client. TCP Server supports at most 24 TCP Client connections)	
AT command mode	Support	Support	Support
HTTP Client mode	Support	Support	Support
Serial port command mode	Don't support	Support	Support
Serial port			
Baud rate	1200, 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200, 128000, 230400, 460800	300, 600, 1200, 1800, 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400, 345600, 460800	
Data bits	7, 8	5, 6, 7, 8	
Stop bits	1, 2		
Parity	NONE, EVEN, ODD, MARK, SPACE	NONE, EVEN, ODD	
Flow control	Support hardware flow control	Support hardware flow control	Don't support
Baud rate synchronization	Support	Support	Support
Features			
Search in LAN	Support		
Identity packet	Support MAC, ID, user editable, USR Cloud identity packet		
Usrlink	Support		
Simple Config/Airkiss	Support	Don't support	
Heartbeat packet	Support		
Keep-Alive	Support		

WIFI connection exception handling	Support	Don't support
Websocket	Don't support	Support
Web Server	Support	

Figure 9 Functions

4.Contact Us

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5.Disclaimer

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6.Update History

2017-11-27 V1.0.0 established.