USR-W610 Datasheet

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1. Product Overview

Serial To WiFi and Ethernet Converter USR-W610, which can realize bidirectional transparent transmission between RS232/RS485 and Ethernet/WiFi. Through simple configuration via Web Server or AT command can assign working details, realize serial data and TCP/IP data package transparent transmission by converter. It can work as TCP/UDP Client, TCP/UDP server, HTTPD client. Can also supports Modbus RTU to TCP, Modbus Polling.

2. Product Features

- WIFI@2.4GHz 802.11b/g/n wireless standards.
- Supports TCP Server/TCP Client/UDP Server/UDP Client/HTTP Client mode.
- Works as AP or STA or AP+STA
- Serial ports includes RS232 or RS485
- Support electrostatic protection
- Identity packet function and heartbeat packet function.
- Support Web socket function.
- The function of timeout reset , timing reset function.

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- Support Web Server, setup software, serial/network AT command to configure module.
- Hardware reload.
- Support usrllink
- It can work as router and bridge
- Rich indicator LED power, work, link, RXD, TXD
- Wide voltage DC 5~36V, support 5.5*2.1 standard power interface and terminal power
- Double supply, one in and one out supply for device
- Support MAC, USR-cloud, modbus polling
- Remote upgrade
- Add hardware watch dog, makes more stable
- Support websocket and realize the timing communication for serial port and netport.
- Support webpage, setting software, serial port AT command, net AT command
- Long distance communication: two serial server can transport for 280m
- Design for location hole, convenient for install

3. Product Specifications

Ethernet Port	
Port Number	1 Ethernet Ports: 1 x WAN/LAN
Buffer	Rx/TX: Max 16K bytes
Protection	2 KV Electromagnetic isolation for Ethernet port
Network Protocol	IP/TCP/UDP/DHCP/DNS/HTTP/ ARP/ICMP/Web socket/Httpd client
Speed Rate	10/100 Mbps, MDI/MDIX
Wi-Fi	
Certificate	FCC/CE
WiFi	802.11 b/g/n
Frequency Range	2.412GHz-2.484GHz
Transmit Power	802.11b: +19dBm(Max),802.11g: +18dBm(Max),802.11n:+17dBm(Max)
Receive Sensitivity	802.11b: -89dBm,802.11g: -81dBm,802.11n: -73dBm

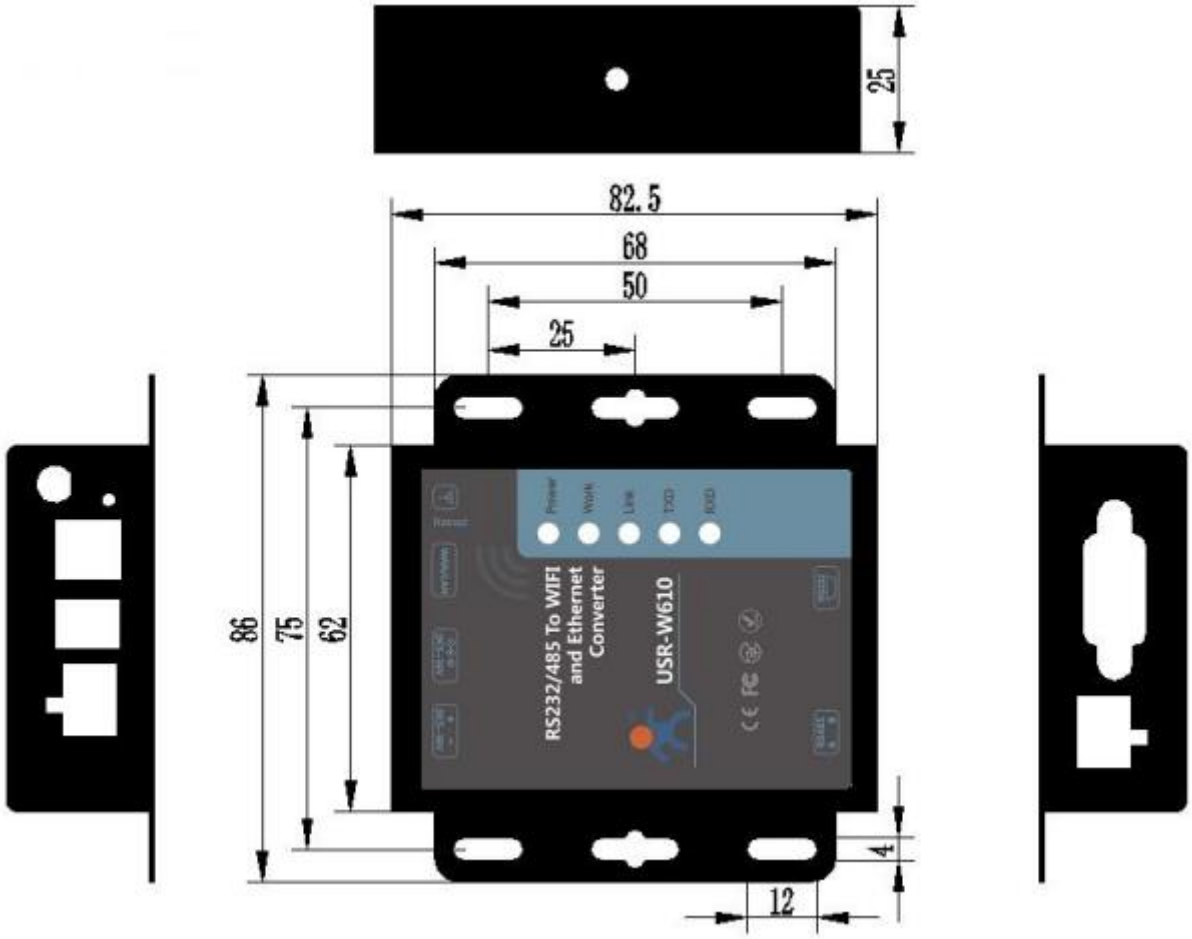
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Hardware	
Interface Standard	RS232: 300～460.8Kbps RS485:300～230.4Kbps
Input Voltage	DC5～36V
Operating Temp.	-40c～ 85c
Storage Temp.	-40c～ 125c
Size	86*82.5*25mm(L*W*H)
Software	
Network Mode	Station/AP/AP+Station
Security	WEP/WPA-PSK/WPA2-PSK
Encryption	WEP64/WEP128/TKIP/AES
Work Mode	Transparent transmission / serial AT command/ HTTP Client、Modbus TCP<=>Modbus RTU
Setting Command	AT+command
Networking Protocol	TCP/UDP/ARP/ICMP/DHCP/DNS/HTTP
Max. Client Number in TCP Server Mode	24
Configuration	Web sever+ AT command
More	
Warranty	2 years

4. Product Dimensions

Unit: mm

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5. Contact Us

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