

WIFI MODULE--LOW POWER

■ ■ ■ USR-WIFI232-Sa

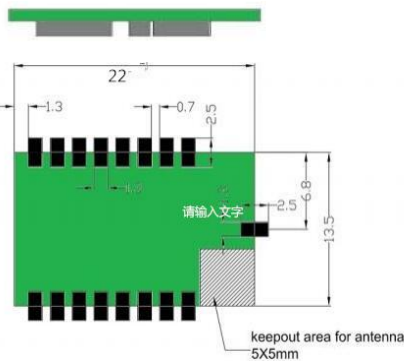
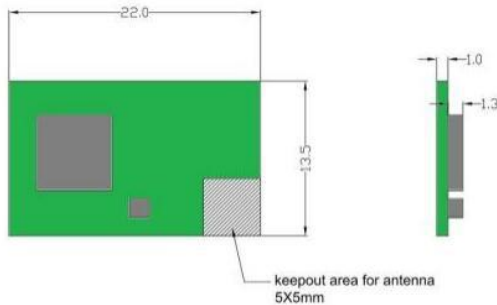
Serial device easy to Network

USR-WIFI232-Sa is a SMT wifi module that can support functions of smart link and WPS. It has unparalleled advantages of low cost and tiny size.

USR-WIFI232-Sa wifi module is now widely used in smart home, industry control and individual health.

■ ■ ■ Serial UART to WIFI module

- Support IEEE802.11b/g/n Wireless Standards
- Support WIFI2.4 GHz, support WEP, WPA/WPA2 security mode.
- Based on Self-developed High Performance MCU
- Ultra-Low-Power for Battery Applications with Excellent Power Save Scheme
- Support UART Data Communication Interface
- Support Work As STA/AP/AP+STA Mode
- Support SmartLink Function (APP program provide)
- Support Wireless Upgrade Function
- Support WPS Function
- Support Multi-TCP Link (5 Channel) Application
- Support internal Antenna
- Smallest Size :22mm x 13.5mm x 2.3mm



unit of measurement(mm)

Specifications	
Wireless Parameters	
Certification	FCC/CE
Wireless Standard	802.11 b/g/n
Frequency Range	2.412GHz-2.484GHz
Transmit Power	802.11b: +16 +/-2dBm (@11Mbps)
	802.11g: +14 +/-2dBm (@54Mbps)
	802.11n: +13 +/-2dBm (@HT20, MCS7)
Receive Sensitivity	802.11b: -93 dBm (@11Mbps ,CCK)
	802.11g: -85dBm (@54Mbps, OFDM)
	802.11n: -82dBm (@HT20, MCS7)
Antenna	Internal: On-board PCB antenna
Hardware Parameters	
Data Interface	UART/PWM/GPIO
Operating Voltage	3.0~3.6V
Operating Current	Continuous TX: ~200mA
	Normal Mode: Average: ~12mA, Peak: 200mA Standby: <200uA
Operating Temp.	-40℃ ~ 85℃ industrial
Size	23.1mm x 32.8mm x 2.7mm
Software Parameters	
Wireless Network Type:	STA/AP/STA+AP
Security Mechanism	WEP/WPA-PSK/WPA2-PSK
Encryption Type	WEP64/WEP128/TKIP/AES
Update Firmware	Local Wireless
Customization	Support custom webpage, provide SDK for secondary development (VIP client)
Network Protocol	IPv4, TCP/UDP/HTTP
User Configuration	AT+command, Webpage Android/iOS APP Smart Link configuring APP

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