

Serial TTL UART to Wi-Fi Module

■ ■ ■ USR-WIFI232-Ca

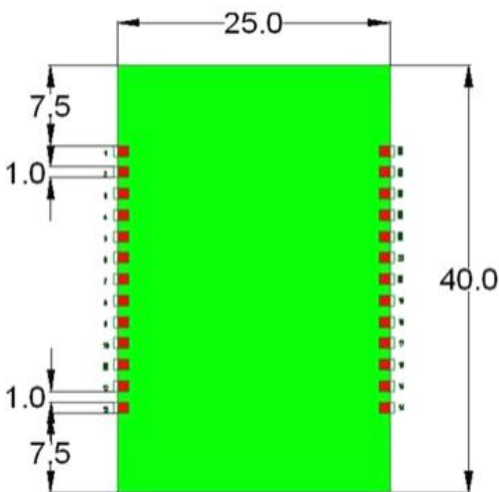
Serial Wi-Fi module

This is an embedded 802.11 b/g/n Wi-Fi module, Which can connect traditional serial device and MCU controlled device with Wi-Fi network to realize control and management.

It can realize bidirectional transparent data transmission between serial and Wi-Fi network with simple setup.

■ ■ ■ TTL UART to Wi-Fi

- Support 802.11b/g/n wireless standard
- Support TCP/IP/UDP network protocol
- Support UART/GPIO/Ethernet data interface
- Support work as STA/AP/AP+STA mode
- Support router and bridge mode
- Support Built-in Webpage
- Support Httpd Client and WEB IO function
- Support DHCP and DNS
- Support transparent transmission mode
- Provide AT+ instruction set for configuration
- Support heartbeat signal and Wi-Fi connection
- Support UART auto-frame function



Specifications

Wireless Parameters

Wireless Standard	802.11 b/g/n
Frequency Range	2.412GHz-2.484GHz
Transmit Power	802.11b: +20dBm (Max.)
	802.11g: +18dBm (Max.)
	802.11n: +15dBm (Max.)
	Configurable
Receive Sensitivity	802.11b: -89dBm
	802.11g: -81dBm
	802.11n: -71dBm

Software Parameter

Wireless Network Type	AP / Station / AP+Station
Security Mechanism	WEP/WPA-PSK/WPA2-PSK
Encryption Type	WEP64/WEP128/TKIP/AES
Work Mode	Transparent transmission mode
	Serial command mode
Setting Command	AT+ instruction set
Network Protocol	TCP/UDP/ARP/ICMP/DHCP
	DNS/HTTP
Max. TCP Connection	32
User Configuration	Web Server+AT command

Hardware Parameter

Data Interface	UART: 300bps~460800bps
	Ethernet: 10Mbps/100Mbps
GPIOs	
Working Voltage	3.3V (+/-5%)
Working Current	170mA -350mA
Working Temp.	-40°C - 85°C
Storage Temp.	-40°C - 125°C
Size	25mm x 40mm x 8mm

Accessories

Antenna	On board PCB antenna
---------	----------------------

More

Certificate	FCC/CE/ROHS/TELEC
Warranty	2 years

Jinan USR IOT Technology Limited

Tel: 86-531-88826739

Email: sales@usriot.com

Web: www.usriot.com

Support: h.usriot.com

