Serial TTL UART to Wi-Fi Module

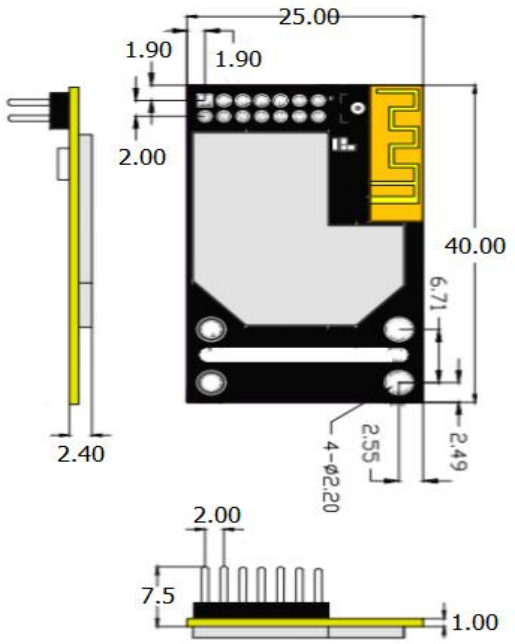
■ ■ ■ USR-WIFI232-B2

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 Web page
- 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 indication
- Support UART auto-frame function
- Support HTTPD client
- Support Similar RFC2217
- Support web page to serial
- Support firmware upgrade via web page



Specifications	
Wireless Parameters	
Wireless Standard	802.11 b/g/n
Frequency Range	2.400GHz - 2.4835GHz
Transmit Power	802.11b: +17dBm (Max.)
	802.11g: +16dBm (Max.)
	802.11n: +15dBm (Max.)
	Configurable
Receive Sensitivity	802.11b: -89dBm
	802.11g: -76dBm
	802.11n: -74dBm
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
	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/100Mpbs
	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	External antenna
More	
Certificate	FCC/CE
Warranty	2 years

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