

UART to Wi-Fi 802.11b/g/n Module

■ ■ ■ USR-WIFI232-D2a

Serial Wi-Fi module

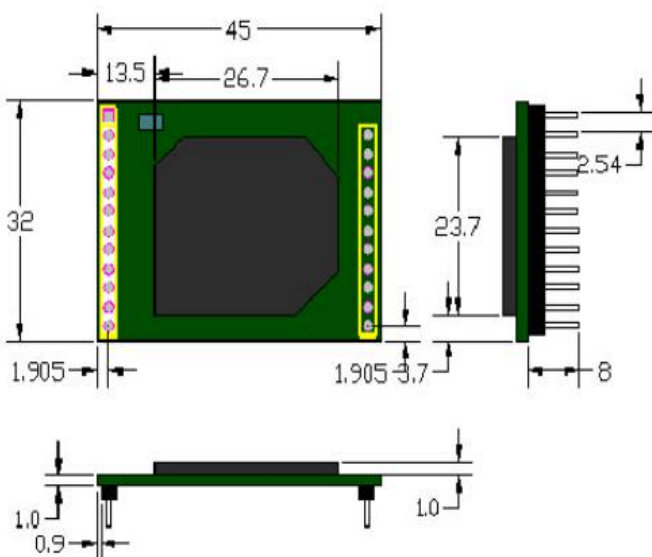
USR-WIFI232-D2 Wi-Fi Module is an embedded 802.11 b/g/n Wi-Fi module, which supports serial to LAN/Wi-Fi, LAN to Wi-Fi or LAN to LAN transmission.

Serial server realize two-way data transparent transmission between COM and TCP/IP network interface.

Enable the serial devices connect to ethernet, greatly extending serial interface communication distance.

■ ■ ■ Uart to Wi-Fi

- Support IEEE802.11b/g/n Wireless Standards
- Support TCP/IP/UDP Network Protocols
- Support UART/GPIO/Ethernet Data Interface
- Support Web page Configuration
- Support Web socket and UsrLink (Fast Access Wi-Fi)
- Support Router/Bridge Mode Networking
- Support Work As STA/AP/AP+STA Mode
- Wi-Fi Module Support AT+ Instruction Set for configuration
- Support TCPB Function
- Support Hardware AP, HTTPD Client and WEB IO
- Support Palmodic Signal
- Support UART Auto-Frame Function
- Support customization service



Specifications

Wireless Parameters

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

Software

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
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 Parameters

	UART: 300bps-460800bps
Data Interface	Ethernet: 100Mbps
	GPIOs
Operating Voltage	3.3V (+/-5%)
Operating Current	170mA -300mA
Operating Temp	-40 - 85°C (Industrial)
Storage Temp	-40 - 125°C
Size	32mm x 45mm x 8mm

Accessories

Antenna	On board PCB Antenna
More	
Certificate	CE, FCC, ROHS, TELEC
Warranty	2 years

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