

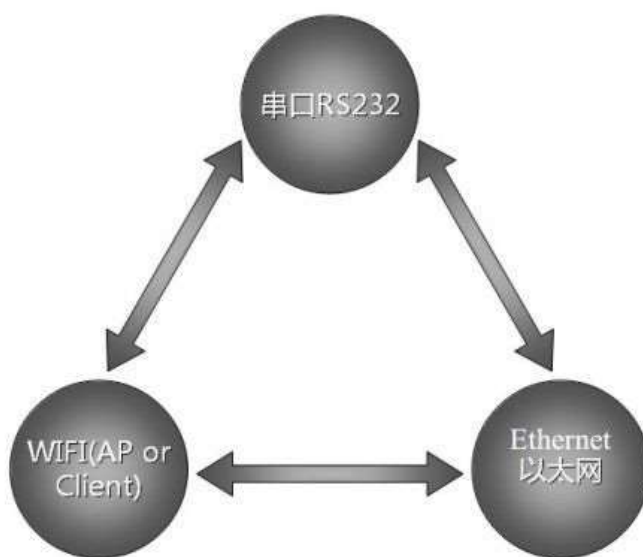
AWR20 Serial to Ethernet to WiFi Converter DTU Small WiFi Serial Network Server RS232 to WiFi to RJ45 Network Port

AWR20 is a serial wifi router developed by Shenzhen mestechs Electronic Co.,Ltd .This product is based on the universal serial interface network standard, built-in TCP / IP protocol stack, enabling the user serial port, Ethernet, wireless network (wifi) interface between the conversions. Through the AWR20 the traditional serial devices do not need to change any configuration; data can be transmitted through the Internet network. Provide a quick solution for the user's serial devices to transfer data via Ethernet.

Technical Specifications

Network standard	wireless:IEEE 802.11n,IEEE 802.11g,IEEE 802.11b
	wired:IEEE 802.3,IEEE 802.3u
Wireless transmission rate	11n:maximum up to 150Mbps 11g:maximum up to 54Mbps 11b:maximum up to 11Mbps
Tracks number	1-14
Frequency range	2.4-2.4835G
Emission power	12-15DBM
Interface	WAN LAN,RS232,DC IN,ANTENNA
Antenna	
Antenna type	Externnal Antenna 6DB
Functional Parameters	
WIFI work mode	Client/AP/Router
WDS Function	Support WDS wireless bridge connection
Wireless security	Wireless MAC address filtering Wireless security function switch 64/128/152 bit WEP encryption WPA-PSK/WPA2-PSK,WPA/WPA2 security mechanism
Network management	Remote Web management Configuration file import and export WEB software upgrade
Serial to Ethernet	
Maximum transmission	500000bps

rate	
TCP connection	Max connection number>20
UDP connection	Max connection number>20
Serial baud rate	1200-500000bps



Picture1.F-structure

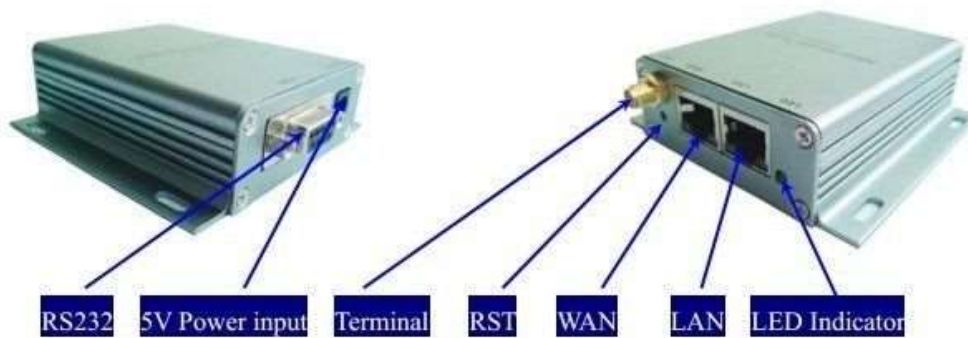
Product Outline

The outline of AWR20 serial WIFI server is as follows. Mechanical Dimensions: 85x85x25 mm, not including the antenna.



External Interface

AWR20 serial wifisever is a serial-wifi-Ethernet device ,its external interface including RS232,DC IN,LAN,WAN,LED,RST. This section will detail the definition of each interface.



Application



Fig1:adsl connection

