

## Overview

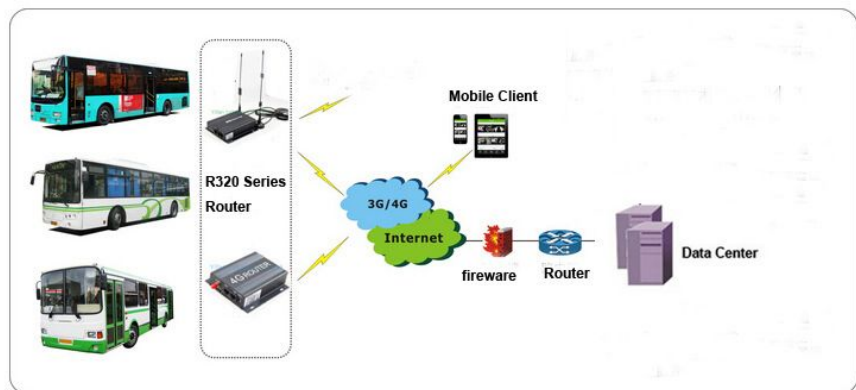
The YIFAN R320 Cellular Router is a high-performance industrial grade cellular router supporting various networks and service types including UMTS/HSDPA/HSUPA/HSPA+/LTE and delivering high download speeds of up to 100Mbps. The rugged metal housing and temperature-hardened electronic components make it ideal for harsh environment applications.

YIFAN mobile Communication products have been widely used for many applications in more than 50 countries over the world, such as electric power, oil field, Intelligent transportation, weather forecast, and environment protection, hydrology, heating pipe line, gas pipe line, street lamp control, telecommunications, post, bank and many other fields.



## Application

Kiosk, Vending machine, ATM, POS  
 Intelligent transportation, WIFI Bus  
 CCTV video surveillance  
 Water, gas and oil flow metering and schedule  
 AMR (automatic meter reading)  
 Telemetry, SCADA  
 Power station monitoring and control  
 Traffic signals monitor and control, Traffic info guide  
 Oil field, weather forecast, environmental protection  
 Early Warning of Mountain Torrent  
 Fleet management  
 Power distribution network supervision  
 Central heating system supervision  
 Weather station data transmission  
 Vehicle logistics and diagnostics controlling



## Features

- Auto configuring network APN profile
- Auto detecting Internet connection and reconnect Internet when disconnected
- Virtual Server and DMZ mode
- NAT and Port forwarding
- Support multiple DDNS provider service
- DHCP server/Client
- Supports VPN (PPTP, L2TP, IPSEC) (Only for VPN Version)
- Supports WIFI up to 300Mbps, Compatible with 802.11b/g/n, AP and Client Mode
- Supports TCP/IP, PPPoE, DHCP, ICMP, NAT
- Supports UPnP, Dynamic DNS, Static Routing, VPN pass-through
- Supports IP QoS
- Built-in firewall with IP address filtering, Domain Name filtering, and MAC address filtering
- Supports Flow Statistics
- Shares data and Internet access for users, supporting 3G, 4G, PPPoE, Dynamic IP, Static IP Internet access
- Supports Wireless Roaming and Wireless Statistics
- MIMO compatibility (For 4G Version)
- Support Schedule Reboot
- Support Remote Management



## Specification

<b>Cellular Specification</b>	
Compatible Mobile Networks	LTE/HSPA+/HSUPA/HSDPA/UMTS/EDGE/GPRS
Cellular Frequency	LTE FDD: B1/B2/B3/B5/B7/B8/B20 (2100/1900/1800/850/2600/900/800MHz) FDD: B2/B4/B5/B13/B17/B25/B26 (Optional) LTE TDD: B38/B39/B40/B41 HSPA+/HSUPA/HSDPA/WCDMA/UMTS 2100/1900/900/850MHz EDGE/GPRS/GSM 1900/1800/900/850MHz
Bandwidth	LTE(DL:100Mbps,UL:50Mbps) HSPA+: 21Mbps(Download speed) 5.76Mbps(Upload speed) HSUPA:5.76Mbps(Upload speed) HSDPA:7.2Mbps(Download speed) UMTS:384Kbps (DL/UL)
<b>WIFI Specification</b>	
Wi-Fi	802.11b/g/n
Bandwidth	11n: Up to 300Mbps (Dynamic) 11g: 54/48/36/24/18/12/9/6Mbps (Dynamic) 11b: 11/5.5/2/1Mbps (Dynamic)
Security	Provides WPA/WPA2 and WPA-PSK/WPA2-PSK authentication and TKIP/AES encryption security
<b>Interface</b>	
LAN	2x 10/100M (RJ45 interface)
Antenna	1x WIFI Antenna (SMA female interface)
	2x Cellular antennas (SMA female interface)
Led	POWER, WLAN, LAN1, LAN2, 4G/3G, WPS
UIM/SIM	Standard 3V/1.8V user card interface
Button	WPS
	Reset
<b>Power</b>	
Input DC Voltage:	+6V ~+40VDC
Standard	12V/2A
<b>Physical</b>	
Operating Temperature	Working: (-25°C to 70°C)
	Storage: (-40°C to 80°C)
Humidity	95% Maximum (Non-condensing)
Dimensions	Item (L x W x H): 115mm x 100mm x 28mm
Weight	Item: 300g
	Packaging: 700g
<b>Others</b>	
Warranty	1 Year
Package Contents	router, RJ-45 cable, Power adapter, Cellular Antennas, WIFI Antenna



## Selection and Ordering Data

R320 Series Cellular Router 2 x LAN, WIFI 802.11 b/g/n

Model No.	Description
R320-H	3G HSPA+/HSUPA/WCDMA Router
R320-L	4G LTE FDD Router
R320-LT	4G LTE TDD Router

