

## Yeacomm YF-P21-Black

# Yeacomm 4G LTE CPE Router User Manual

Model: YF-P21-Black

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Yeacomm 4G LTE CPE Router. This device is designed to provide reliable wireless and wired internet access for home and office environments by utilizing a 4G LTE SIM card.





Figure 1: Front view of the Yeacomm 4G LTE CPE Router with LED indicators.

## 2. PRODUCT FEATURES

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- Supports multiple 4G LTE frequency bands (FDD: B2/B3/B4/B5/B7/B8/B28, TDD: 38/39/40/41) and 3G HSPA+ (850Mhz/900Mhz/1900Mhz).
- Unlocked 4G router with SIM card slot for easy internet access. Note: SIM card must be activated and support hotspot services.
- Wi-Fi Standard: IEEE 802.11b/g/n, providing wireless connectivity.
- Equipped with two external 4G cellular antennas and built-in Wi-Fi antennas for enhanced signal reception.
- Features include Band Locking Function, IPv4/IPv6 dual stack, L2TP VPN, and TR069 management.
- LED indicator display for easy status monitoring.
- Includes 2 RJ11 ports for voice calling and 4 RJ45 LAN ports for wired connections.

## 3. PACKAGE CONTENTS

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Verify that all items are present in the package:

- 1x Yeacomm P21 4G LTE SIM Card Router
- 1x RJ45 Cable
- 1x Power Adapter (DC output 12V 1A, AC input 100V-240V)
- 1x User Manual/After-sales Card
- Antennas (2 external 4G cellular antennas)

# EFFICIENT WIFI DISTRIBUTION FOR SMOOTHER PERFORMANCE

Our Yeacomm 4G wifi router enables home office (SOHO) restaurant users to get access to wireless and wired networks



Figure 2: Contents included in the Yeacomm P21 package.

## 4. SETUP GUIDE

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### 4.1. Hardware Installation

1. **Insert SIM Card:** Ensure your SIM card is activated and supports hotspot services. The router requires a standard SIM card (15x25mm). Micro and Nano SIM cards are not directly supported without an adapter.

Country		Name	TOTAL LTE Frequency Bands	Yeacomm P21 Router Support Bands
US Carrier	AT&T		B2/B4/B17/B30	B2/B4
US Carrier	Boost Mobile		B25/B26/B41	<b>DO NOT SUPPORT</b>
US Carrier	Cricket Wireless		B2/B4/B17/B30	B2/B4
US Carrier	FreedomPop		B25/B26/B41	B41
US Carrier	Google Project Fi		B2/B4/B12/B25/B26/B41	B2/B4/B41
US Carrier	H2O Wireless		B2/B4/B17/B30	B2/B4
US Carrier	Lycamobile		B2/B4/B12	B2/B4
US Carrier	MetroPCS		B2/B4/B12/B66/B71	B2/B4
US Carrier	Mint Mobile		B2/B4/B12/B66/B71	B2/B4
US Carrier	Sprint		B25/B26/B41	B41
US Carrier	Straight Talk		B2/B4/B5/B12/B17/B26/B41	B2/B4/B41
US Carrier	T-Mobile		B2/B4/B12/B66/B71	B2/B4
US Carrier	Ting (GSM)		B2/B4/B12	B2/B4
US Carrier	U.S. Cellular		B5/B12	<b>DO NOT SUPPORT</b>
US Carrier	Verizon Wireless		B2/B4/B13	B2/B4

**Yeacomm P21**



**Our router Support Bands**  
**FDD: BandB2/B3/B4/B5/B7/B8/B28**  
**TDD: Band38/39/40/41**  
**3G HSPA+: 850/900/1900Mhz**

**Note:Before inserting the SIM card into the router.**  
**Make sure the SIM card is activated.**  
**Same carrier may have different frequency bands in different area,**  
**Use "LTE Discovery" app to find out which band you're connecting to**



**LTE Discovery**

DISCOVER SIGNALS MAP

Band: 4  
 GC: 0140C703  
 PCI: 461  
 TAC: 12660

LTE: -101.0 dBm GSM: -101.0 dBm

LAC: N/A  
 CID: N/A  
 RNC: 320  
 BER: N/A

Tower: N/A  
 Network: N/A  
 GPS: N/A  
 # Satellites: 0 (Accuracy: ±0m)

Location: N/A

DL EARFCN: 1950-2399  
 UL EARFCN: 19950-20399  
 DL Freq: 2110mhz - 2155mhz  
 UL Freq: 1710mhz - 1755mhz

EARFCN (LTE band 4)

Type RSRP RSRQ PCI  
 LTE -101 -18 461  
 LTE -101 -17 461

Neighbor Cells (2)

Figure 3: Correct SIM card insertion.

- 2. Connect Antennas:** Screw the two external 4G cellular antennas firmly into the SMA ports on the back of the router.



Figure 4: Antenna connection points.

- 3. Plug in Power Cable:** Connect the provided power adapter to the router's power input port and then to a power outlet.
- 4. Wait for Indicators:** Allow a few moments for the router to power on and initialize. Observe the LED indicators on

the front panel. The "SIG" (signal) and "4G/LTE" indicators should light up, indicating a successful connection to the cellular network.

## 4.2. Initial Configuration (Web Interface)

To access the router's web management interface for advanced settings:

1. **Connect to Router:** Connect your computer to the router via an Ethernet cable (RJ45 port) or wirelessly using the Wi-Fi SSID and password printed on the router's label.
2. **Access Web Interface:** Open a web browser and enter the default IP address **192.168.0.1** in the address bar.
3. **Login:** Enter the default username **root** and password **admin** (or as specified on the router's label) to log in.
4. **Configure APN Settings:** Navigate to *Device Settings > Internet Settings > APN*. Click "Add New" to set the correct APN for your SIM card's carrier. You can find the APN information on your carrier's official website or by searching online. Apply the settings.
5. **Network Selection:** In *Device Settings > Internet Settings > Network Selection*, you can choose "Automatic" or specify "4G Only", "3G Only", etc., based on your preference and network availability.
6. **Band Locking (Optional):** For advanced users, the router supports band locking. Navigate to *Device Settings > Advanced Settings > Frequency*. Here you can enable/disable specific frequency bands. Your settings will take effect after restarting the device.



Figure 5: Quick setup guide for the router.

## 5. OPERATING THE ROUTER

### 5.1. Wi-Fi Connectivity

Once the router is set up and connected to the cellular network, you can connect your devices (smartphones, laptops, tablets) to its Wi-Fi network. The default Wi-Fi SSID and password are provided on a sticker on the router.

- Search for available Wi-Fi networks on your device.
- Select the router's SSID (e.g., ZLT P21\_0C7220).
- Enter the Wi-Fi password (KEY) when prompted.

### 5.2. Wired Connectivity

Use the RJ45 LAN ports on the back of the router to connect devices such as desktop computers, smart TVs, or gaming consoles via Ethernet cables for a stable wired connection.



Figure 6: Router back panel with labeled ports.

### 5.3. Voice Calling (RJ11 Ports)

The router includes two RJ11 ports for voice calling functionality. You can connect a standard analog telephone to these ports. This feature is supported when using SIM cards from carriers like T-Mobile. The voice function may not work with Verizon's SIM cards.

To enable/configure voice settings, navigate to *Device Settings > Voice Settings* in the web interface.

### 5.4. Data Management

The web interface allows you to monitor and manage your data usage. Navigate to *Device Settings > Statistics Settings* to view data usage statistics and set data plans or alerts.

## 6. MAINTENANCE

- Keep the router in a well-ventilated area to prevent overheating.

- Clean the router regularly with a soft, dry cloth. Do not use liquid cleaners.
- Ensure antennas are securely connected for optimal signal reception.
- Periodically check for firmware updates via the web interface (*System Settings > System Upgrade*) to ensure optimal performance and security.
- If the router becomes unresponsive, perform a reboot via the web interface (*System Settings > Reboot*) or by unplugging and replugging the power adapter.

## 7. TROUBLESHOOTING

If you encounter issues with your Yeacomm 4G LTE CPE Router, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No Internet Connection	SIM card not activated or incorrect APN settings. No cellular signal.	Ensure SIM card is active and supports hotspot services. Verify APN settings in the web interface. Check the "SIG" LED indicator for signal strength. Relocate the router for better signal.
Slow Internet Speed	Weak cellular signal. Network congestion. Incorrect band selection.	Move the router to an area with stronger signal. Try using the Band Locking feature in advanced settings to select a less congested band if available in your area.
Wi-Fi Not Visible or Connectable	Wi-Fi disabled. Incorrect password.	Check Wi-Fi settings in the web interface ( <i>Home Network &gt; Wireless Settings</i> ). Ensure Wi-Fi is enabled and the password is correct.
Voice Calling Not Working	SIM card carrier does not support voice over LTE (VoLTE) or voice function. Incorrect voice settings.	Confirm with your SIM card carrier if voice calling is supported on their network with this type of device. Check voice settings in the web interface ( <i>Device Settings &gt; Voice Settings</i> ). Note: Verizon SIM cards may not support this feature.
Cannot Access Web Interface	Incorrect IP address. Network connectivity issue.	Ensure your device is connected to the router (wired or Wi-Fi). Verify you are using the correct IP address (default is 192.168.0.1). Try restarting the router.

If problems persist, please contact Yeacomm professional tech support for assistance before considering a return.

## 8. SPECIFICATIONS

Feature	Detail
Product Dimensions	9.06 x 5.12 x 0.79 inches
Item Weight	1.54 pounds
Model Number	YF-P21-Black
Brand	Yeacomm
Special Feature	2*RJ-11 port/4*RJ45 port, 2*SMA external antenna port
Frequency Band Class	Quad-Band (FDD: B2/B3/B4/B5/B7/B8/B28, TDD: 38/39/40/41, 3G HSPA+: 850Mhz/900Mhz/1900Mhz)

Feature	Detail
Wireless Communication Standard	802.11b, 802.11g, 802.11n
Compatible Devices	Personal Computer
Frequency	2.4 GHz
Recommended Uses	Home, Office

## Instructions for Use



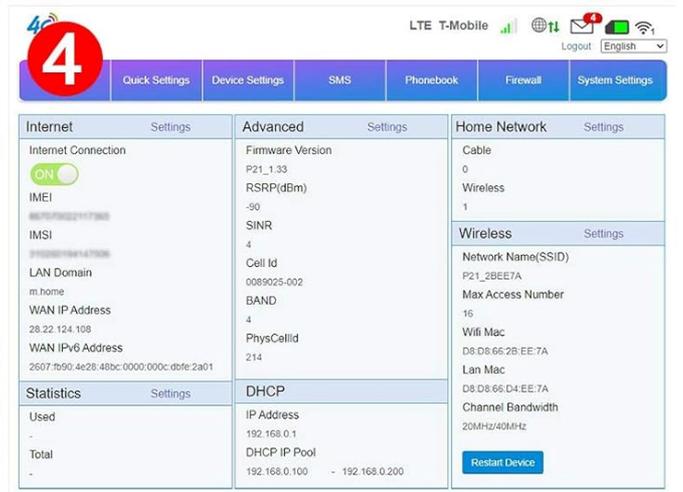
**1** Insert SIM Card



**2** Plug Power Cable



**3** Wait for Indicators On



**4** Login 192.168.0.1

Figure 7: US Carrier LTE Frequency Bands and Yeacomm P21 Router Support Bands.

## 9. WARRANTY AND SUPPORT

For any issues or questions regarding your Yeacomm 4G LTE CPE Router, please contact Yeacomm's professional technical support. Their contact information can typically be found on the included After-sales Card or on the official Yeacomm website.

Before returning the product, it is highly recommended to contact technical support first, as many issues can be resolved with their guidance.

## 10. OFFICIAL PRODUCT VIDEOS

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No official product videos from the seller are available for embedding at this time. Please refer to the text and image instructions provided in this manual for guidance.

