

## ZTE MF293N

# ZTE MF293N 4G WiFi Router Instruction Manual

Model: MF293N

## 1. INTRODUCTION

Thank you for choosing the ZTE MF293N 4G WiFi Router. This device provides high-speed 4G LTE internet access, allowing you to connect multiple devices wirelessly. This manual will guide you through the setup, operation, maintenance, and troubleshooting of your router to ensure optimal performance.

## 2. PRODUCT OVERVIEW

The ZTE MF293N is a versatile 4G LTE Cat4 CPE (Customer Premises Equipment) router designed for home or small office use. It offers reliable internet connectivity by converting a 4G mobile signal into a Wi-Fi hotspot and wired Ethernet connections.

### Key Features:

- **4G LTE Cat4 Connectivity:** Supports download speeds up to 150 Mbps and upload speeds up to 50 Mbps.
- **Wi-Fi 802.11b/g/n 2x2 MIMO:** Provides wireless connectivity for up to 32 devices simultaneously.
- **Ethernet Ports:** Includes LAN/WAN ports for wired connections.
- **External Antenna Support:** Equipped with two SMA connectors for optional external 4G antennas to enhance signal reception.
- **Power Source:** Operates on 100-240V AC power.
- **Frequency Band:** 2.4 GHz Wi-Fi.

## 3. SAFETY INFORMATION

- Read all instructions carefully before using the device.
- Do not expose the device to water, moisture, or extreme temperatures.
- Use only the power adapter provided with the device.
- Avoid placing the device near heat sources or in direct sunlight.
- Do not open or attempt to repair the device yourself. Contact qualified service personnel for assistance.

- Ensure proper ventilation around the device to prevent overheating.

## 4. PACKAGE CONTENTS

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Verify that all items are present in your package:

- 1 x ZTE MF293N LTE CAT4/4G CPE WiFi Router (White)
- 1 x Power Adapter
- 1 x Ethernet Cable
- 1 x Quick Start Guide (or similar documentation)

## 5. SETUP

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### 5.1. SIM Card Installation

1. Ensure the router is powered off.
2. Locate the SIM card slot, usually on the side or bottom of the device.
3. Insert a standard-sized 4G LTE SIM card into the slot with the gold contacts facing down and the notched corner oriented correctly. Push until it clicks into place.
4. If using external antennas, connect them to the SMA connectors on the router.

### 5.2. Power Connection

1. Connect the power adapter to the router's power port.
2. Plug the other end of the power adapter into a suitable electrical outlet (100-240V).
3. Press the power button (if available) to turn on the router. Wait for the indicator lights to stabilize, which may take a few minutes.

### 5.3. Initial Configuration (Web Interface)

1. Connect your computer or mobile device to the router's Wi-Fi network. The default Wi-Fi name (SSID) and password (Wi-Fi Key) are usually printed on a label on the bottom or back of the router.
2. Open a web browser and enter the default IP address of the router (e.g. <http://192.168.0.1> or <http://192.168.1.1>). Refer to the router's label for the exact address.
3. Enter the default username and password (commonly 'admin' for both). You will be prompted to change the password for security reasons.
4. Follow the on-screen wizard to configure your internet connection (APN settings, if required by your mobile operator) and customize your Wi-Fi network name and password.

## 6. OPERATING INSTRUCTIONS

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### 6.1. Connecting Devices

- **Wi-Fi Connection:** On your device (smartphone, laptop, tablet), search for available Wi-Fi networks, select your router's SSID, and enter the Wi-Fi password.
- **Ethernet Connection:** Use an Ethernet cable to connect a device (e.g., desktop computer, smart TV) to one of the LAN ports on the router.

### 6.2. LED Indicators

The router features several LED indicators to show its status:

- **Power LED:** Indicates power status (On/Off).
- **Network Mode LED:** Shows the current network type (e.g., 4G, 3G).
- **Wi-Fi LED:** Indicates Wi-Fi activity.
- **Signal Strength LED:** Displays the strength of the 4G signal (e.g., green for strong, yellow for medium, red for weak).
- **LAN/WAN LED:** Indicates activity on the Ethernet ports.

Refer to the router's physical labels or the full user manual for specific LED behavior details.

### 6.3. Managing Settings (Web Interface)

Access the web interface (as described in Section 5.3) to manage advanced settings such as:

- Changing Wi-Fi SSID and password.
- Configuring APN settings.
- Setting up parental controls or guest networks.
- Viewing connected devices.
- Updating firmware.

## 7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the router. Do not use liquid cleaners or aerosols.
- **Firmware Updates:** Regularly check the manufacturer's website for firmware updates. Updating firmware can improve performance, add new features, and fix bugs. Follow the instructions provided by ZTE for firmware updates.
- **Resetting the Device:** If the router is not functioning correctly, you can perform a factory reset. Locate the reset button (often a small pinhole) on the device. With the router powered on, use a paperclip to press and hold the reset button for about 10 seconds until the lights flash. This will restore all settings to their factory defaults, including Wi-Fi name and password.

## 8. TROUBLESHOOTING

Problem	Possible Solution
No power / Router not turning on	<p>Check if the power adapter is securely connected to the router and the electrical outlet.</p> <p>Ensure the power outlet is functional.</p> <p>Try a different power outlet.</p>
No internet connection	<p>Check the SIM card insertion and ensure it is active and has data balance.</p> <p>Verify the 4G signal strength LED. If weak or red, try repositioning the router or using external antennas.</p> <p>Log in to the web interface and check APN settings. Contact your mobile operator for correct APN details.</p> <p>Restart the router.</p>

Problem	Possible Solution
Cannot connect to Wi-Fi	<p>Ensure Wi-Fi is enabled on the router (check Wi-Fi LED).</p> <p>Verify the Wi-Fi name (SSID) and password.</p> <p>Move closer to the router.</p> <p>Restart the router and your connecting device.</p>
Slow internet speed	<p>Check 4G signal strength.</p> <p>Reduce the number of connected devices.</p> <p>Ensure no background downloads or streaming are consuming bandwidth.</p> <p>Try repositioning the router to avoid interference.</p> <p>Contact your mobile operator to check for network issues in your area.</p>

## 9. SPECIFICATIONS

Feature	Detail
Brand	ZTE
Model Number	MF293N
Product Dimensions	24 x 7.5 x 17.2 cm
Item Weight	570 grams
Color	White
Wireless Type	802.11n (2.4 GHz)
Voltage	100-240 Volts
Max Download Speed	150 Mbps
Max Upload Speed	50 Mbps
Supported Devices	Up to 32 Wi-Fi devices
External Antenna Connectors	2 x SMA
Included Components	1 x ZTE MF293N LTE CAT4/4G CPE WiFi Router, Power Adapter, Ethernet Cable

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the warranty card included in your product package or visit the official ZTE website. Keep your purchase receipt as proof of purchase.

**ZTE Official Website:** <https://www.zte.com.cn/global/>

