ZTE MC7530

ZTE G5 Max (MC7530) 5G Outdoor CPE Instruction Manual

INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your ZTE G5 Max (MC7530) 5G Outdoor CPE. The G5 Max is a high-performance 5G outdoor customer-premises equipment designed to deliver ultra-high-speed 5G FWA (Fixed Wireless Access) services. It supports 5G-NR-REL.17 technology, features a POE network interface, and high-gain 4MIMO antennas. When paired with an indoor Wi-Fi router, it enables advanced applications like 5G AR, cloud gaming, and 4K video.

PACKAGE CONTENTS

Please verify that all items are present in your package:

- ZTE G5 Max (MC7530) 5G Outdoor CPE unit
- AC Adapter (PoE adapter)
- Ethernet Cable (for PoE connection)
- Quick Start Guide
- Installation accessories for wall and pole mounting

PRODUCT OVERVIEW

Device Layout

The ZTE G5 Max (MC7530) is designed for outdoor deployment. It features LED indicators and a LAN (PoE) port for connectivity.
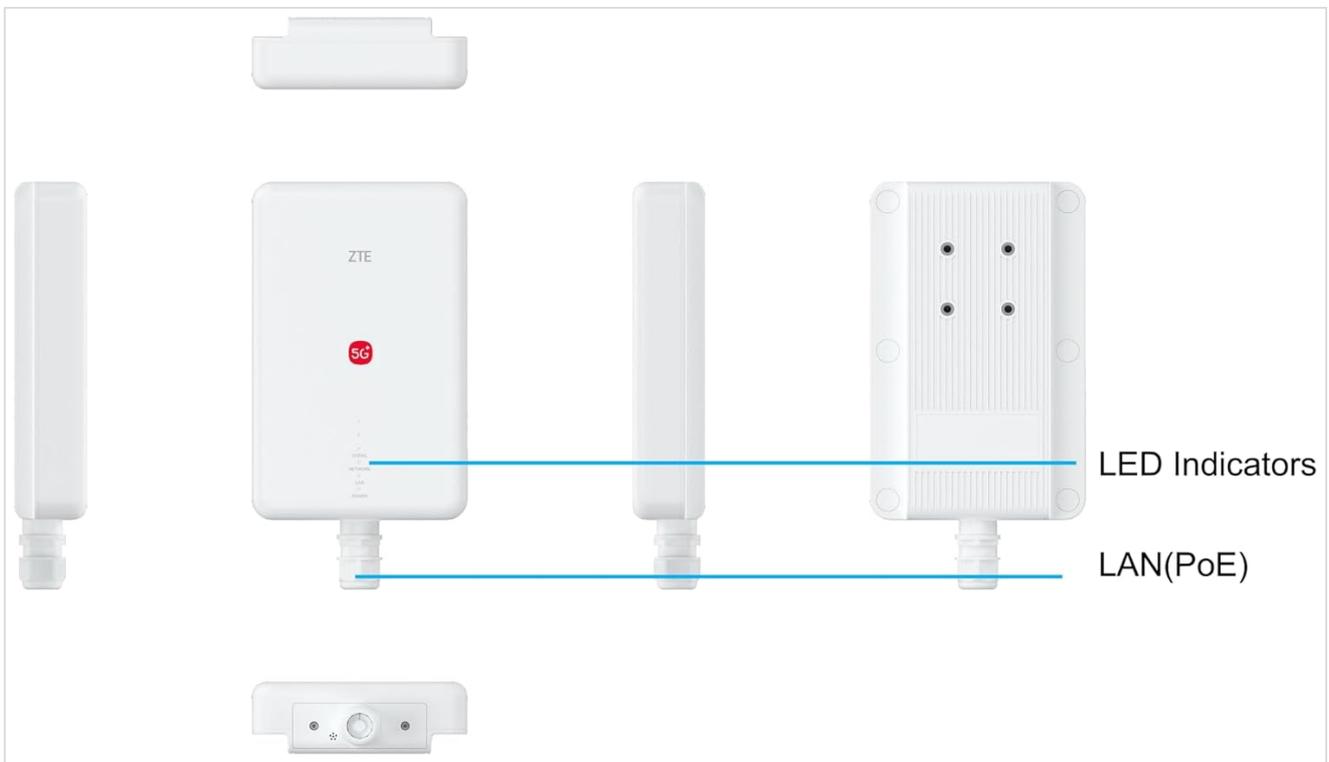
Image: Diagram illustrating the ZTE G5 Max (MC7530) with labels for LED Indicators and the LAN (PoE) port.

LED Indicators

The device features several LED indicators to show its operational status:

- **Signal:** Indicates the strength of the 5G/4G cellular signal.
- **Network:** Indicates network connectivity status.
- **LAN:** Indicates the status of the LAN (PoE) port connection.
- **Power:** Indicates the power status of the device.

SETUP INSTRUCTIONS

1. SIM Card Installation

The device supports a 4FF SIM card. Locate the SIM card slot, typically protected by a cover, and insert your activated 4FF SIM card. Ensure the SIM card is correctly oriented and securely seated.

2. Mounting the CPE

The ZTE G5 Max is an outdoor unit and should be mounted in a location with optimal cellular signal reception, away from obstructions. Use the provided installation accessories for secure wall or pole mounting. Consider the proximity to your indoor network equipment for the Ethernet cable run.

Image: ZTE G5 Max (MC7530) 5G Outdoor CPE mounted on an outdoor pole, demonstrating a typical installation scenario.

Image: ZTE G5 Max (MC7530) 5G Outdoor CPE mounted on an exterior wall of a building.
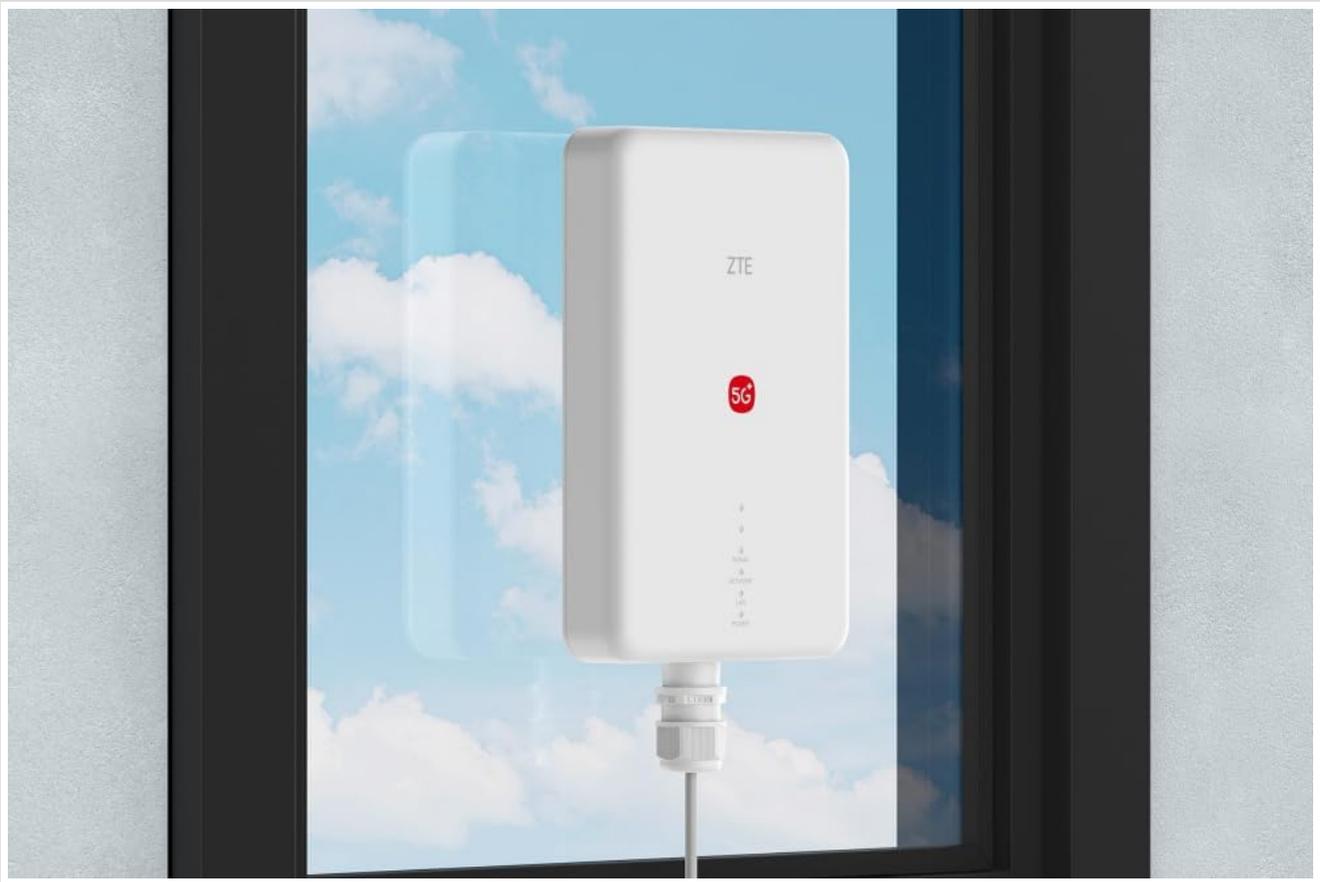
Image: ZTE G5 Max (MC7530) 5G Outdoor CPE mounted on a window frame, showing an alternative installation method.

3. Power and Network Connection (PoE)

Connect the provided PoE adapter to a power outlet. Use an Ethernet cable to connect the PoE adapter's "PoE Out" port to the LAN (PoE) port on the ZTE G5 Max. Then, connect the "LAN In" port of the PoE adapter to your indoor Wi-Fi router or network switch. This single Ethernet cable provides both power and data connectivity to the outdoor CPE.

OPERATING INSTRUCTIONS

Once powered on, the ZTE G5 Max will automatically attempt to connect to the 5G/4G cellular network. Monitor the LED indicators to confirm successful connection:

- **Power LED:** Should be solid green when powered on.
- **Signal LED:** Will indicate signal strength. More bars or a solid green light typically means good signal.
- **Network LED:** Should indicate active network connection.
- **LAN LED:** Should indicate active connection to your indoor network.

For advanced settings and network configuration, access the device's web management interface through a computer connected to your indoor network. Refer to the Quick Start Guide for default IP address and login credentials.

TECHNICAL SPECIFICATIONS

Feature	Description
Model Name	MC7530

Feature	Description
5G NR Interface	3GPP Release 17, supports NSA and SA modes
5G NR Frequencies	N1/3/7/38/78 (4MIMO support)
4G LTE Interface	3GPP DL Category 20, UL Category 18
4G LTE Frequencies	B1/3/7/38 (4MIMO support)
Antenna Gain (700-960 MHz)	2 dBi
Antenna Gain (1400-2700 MHz)	3 dBi
Antenna Gain (3300-4200 MHz)	5 dBi (Omni) and 13 dBi (Directional)
5G ENDC Speed (DL/UL)	3.66 Gbps / 180 Mbps
5G SA Speed (DL/UL)	4.29 Gbps / 160 Mbps
LTE FDD Speed (DL/UL)	2.0 Gbps / 200 Mbps
RJ45 Interface	1 x 2.5GE, PoE support
USB Interface	1 x Type-C (for debugging)
SIM Slot	4FF / eSIM compatibility (*Note: eSIM menu availability may vary by firmware version*)
Special Features	AR Support, 4MIMO, PoE, Weather-resistant
Operating System	ZyNOS
Compatible Devices	Personal Computer
Wireless Communication Standard	802.11ac, 802.11ax (*Note: Refers to capabilities when integrated with a compatible indoor Wi-Fi router*)
Antenna Type	Fixed
Country of Origin	China

TROUBLESHOOTING

No Network Connection

- **Check SIM card:** Ensure it is correctly inserted and activated with your mobile network provider.
- **Check LED indicators:** Verify Power, Signal, and Network LEDs are active and indicate a good status. Refer to the "Product Overview" section for LED meanings.
- **Check cable connections:** Ensure the Ethernet cable between the CPE and PoE adapter, and the PoE adapter and indoor router, is securely connected.
- **Signal strength:** If the Signal LED indicates low strength, try adjusting the CPE's position or orientation for better reception.

- **Reset device:** Locate the reset hole on the device and use a pin to press and hold the reset button for approximately 10 seconds to restore factory settings. *Note: This will erase all custom settings.*

Slow Speeds

- **Check signal strength:** Ensure the CPE has optimal signal reception. A weak signal will result in lower speeds.
- **Verify network congestion:** High network traffic in your area or from your service provider can affect speeds.
- **Check indoor network:** Ensure your indoor Wi-Fi router and connected devices are not experiencing issues or bandwidth saturation.

MAINTENANCE

The ZTE G5 Max (MC7530) is designed for outdoor use and is weather-resistant. However, regular checks can ensure optimal performance and longevity:

- **Keep the exterior clean:** Periodically wipe down the device to remove dust, dirt, or debris that might accumulate, especially around vents or ports.
- **Inspect cables:** Check the Ethernet cable for any signs of wear, cuts, or damage, especially where it enters the device or is exposed to environmental elements.
- **Firmware updates:** Periodically check the manufacturer's official website for available firmware updates to ensure the device has the latest features, performance improvements, and security patches.

WARRANTY AND SUPPORT

Warranty Information

The product typically comes with a standard return policy. For specific warranty terms and conditions, please refer to your purchase documentation or contact your retailer. Information regarding spare parts availability and software update guarantees is currently listed as unavailable.

Technical Support

For technical assistance, please contact your product vendor or refer to the official ZTE support channels. Ensure you have your model number (MC7530) and purchase details ready when seeking support.