

TP-Link M7450

TP-Link M7450 4G LTE-Advanced Mobile Wi-Fi User Manual

Model: M7450

1. INTRODUCTION

The TP-Link M7450 is a portable 4G LTE-Advanced Mobile Wi-Fi device designed to provide high-speed internet access on the go. It supports LTE-A Cat.6 with Carrier Aggregation, enabling download speeds of up to 300Mbps and upload speeds of up to 50Mbps. This device allows you to share a 4G/3G connection with up to 32 wireless devices simultaneously, operating on selectable dual-band Wi-Fi (300Mbps at 2.4GHz or 867Mbps at 5GHz). The M7450 features a screen display for essential information and is equipped with a 3000mAh battery, offering up to 15 hours of usage.

Key Features:

- LTE-Advanced Cat.6 support for up to 300Mbps download and 50Mbps upload speeds.
- Connects up to 32 devices simultaneously.
- Dual-band Wi-Fi: 300Mbps (2.4GHz) or 867Mbps (5GHz).
- Integrated screen display for operational status.
- Micro SD card slot for up to 32GB of optional storage.
- 3000mAh battery for extended usage.

2. PACKAGE CONTENTS

Verify that your package contains the following items:

- 1 x TP-Link M7450 Mobile Wi-Fi Device
- 1 x Micro USB Cable
- 1 x Nano to Micro SIM Card Adapter
- 1 x 3000mAh Battery
- 1 x Quick Installation Guide

3. PRODUCT OVERVIEW

Device Layout

The TP-Link M7450 features a compact design with an integrated screen for easy monitoring of device status.



Figure 3.1: Front view of the TP-Link M7450 Mobile Wi-Fi, showing the screen with network mode, signal strength, battery, and Wi-Fi status indicators.



Figure 3.2: Angled view of the TP-Link M7450, highlighting the screen and the power button on the right side.

Screen Display Information

The device's screen provides real-time information about its operational status, including:

- Signal Strength and Network Type (2G/3G/4G/LTE)
- Wi-Fi Status and Connected Devices
- Battery Level
- Data Usage
- SMS Notifications



Figure 3.3: Close-up of the M7450 screen showing data usage information, indicating 560MB used.

4. SETUP

4.1 Installing the SIM Card and Battery

1. **Remove the Back Cover:** Gently slide the back cover off the device.
2. **Insert SIM Card:** Locate the SIM card slot. Insert your micro SIM card (or nano SIM with the provided adapter) into the slot with the gold contacts facing down, ensuring it clicks into place.
3. **Insert Battery:** Align the battery contacts with the terminals in the battery compartment and press the battery firmly into place.
4. **Replace Back Cover:** Slide the back cover back onto the device until it locks securely.

4.2 Charging the Device

Before initial use, fully charge the M7450.

- Connect the provided Micro USB cable to the device's USB port.
- Connect the other end of the USB cable to a USB power adapter (not included), a computer's USB port, or a portable charger.

- The battery icon on the screen will indicate charging status.

4.3 Powering On/Off

- **Power On:** Press and hold the Power button (usually on the side) for approximately 3 seconds until the screen lights up.
- **Power Off:** Press and hold the Power button for approximately 3 seconds until the device powers down.

5. OPERATION

5.1 Connecting Devices to Wi-Fi

Once the M7450 is powered on and has established a cellular connection, you can connect your Wi-Fi enabled devices.

1. **Access Wi-Fi Settings:** On your device (smartphone, tablet, laptop), go to the Wi-Fi settings.
2. **Select Network:** Look for the Wi-Fi network name (SSID) displayed on the M7450's screen.
3. **Enter Password:** Enter the Wi-Fi password (Wireless Key) also displayed on the M7450's screen.
4. **Connect:** Confirm the connection. Your device should now be connected to the internet via the M7450.

5.2 Managing Settings via Web Interface

For advanced settings and management, access the web interface.

1. **Connect to M7450:** Ensure your device is connected to the M7450's Wi-Fi network.
2. **Open Browser:** Open a web browser on your connected device.
3. **Enter IP Address:** Type the default IP address (usually 192.168.0.1 or tplinkmifi.net) into the address bar and press Enter.
4. **Log In:** Enter the default username and password (usually "admin" for both, check the device label or quick start guide).
5. **Configure Settings:** From the web interface, you can manage Wi-Fi settings, network type, data usage limits, SMS, and more.

5.3 Micro SD Card Storage

The M7450 supports a Micro SD card for up to 32GB of additional storage, allowing you to share files with connected devices.

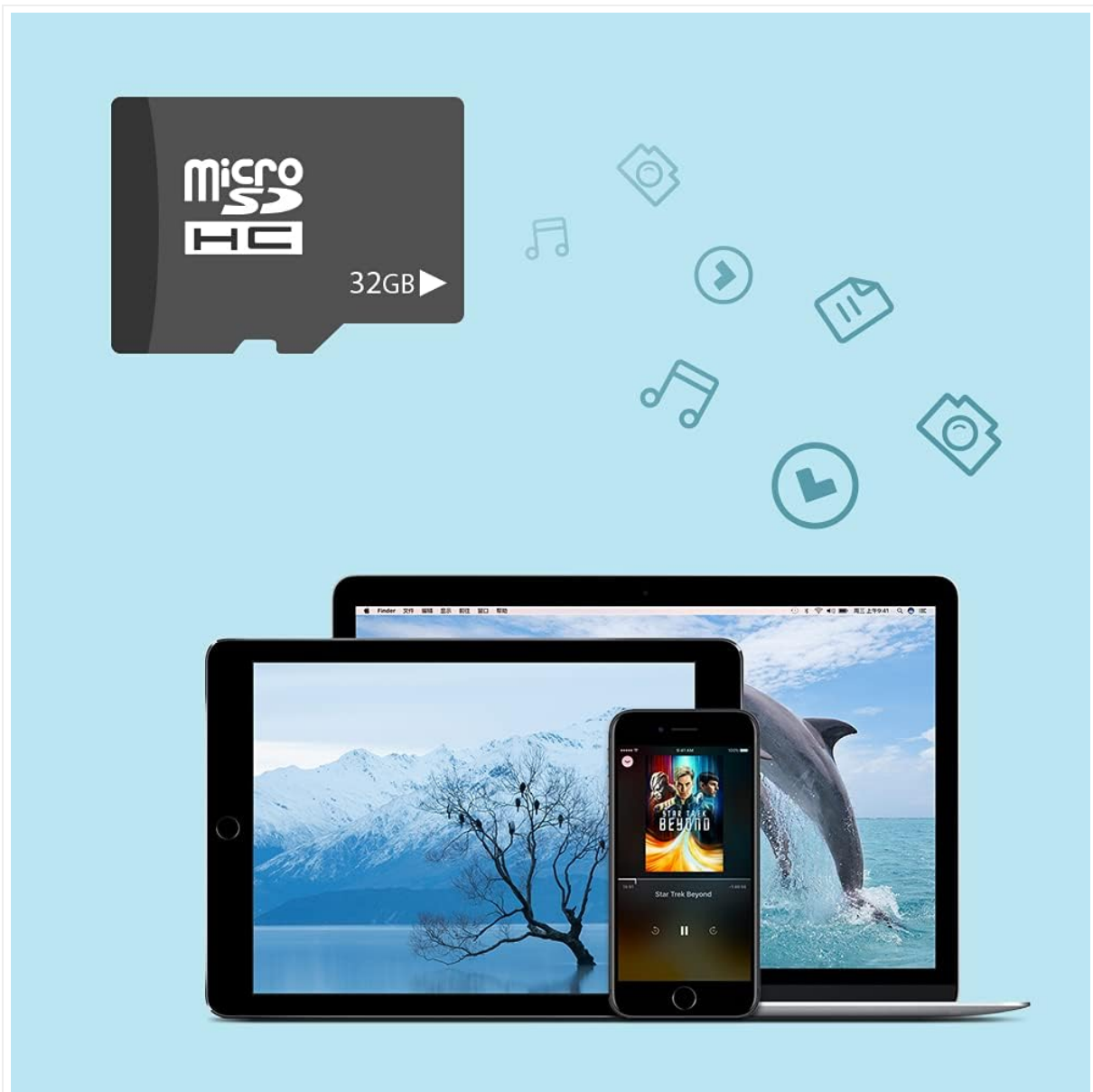


Figure 5.1: Illustration showing a Micro SD card and various devices (tablet, laptop, smartphone) connected to the M7450, indicating file sharing capability.

- **Insert Micro SD Card:** With the device powered off, insert a Micro SD card into the designated slot.
- **Access Files:** Files on the Micro SD card can typically be accessed by connected devices through the web management interface or a dedicated app (if available).

6. MAINTENANCE

6.1 Battery Care

- Avoid exposing the battery to extreme temperatures.
- Do not puncture, disassemble, or modify the battery.
- If the device will not be used for an extended period, charge it to about 50% and store it in a cool, dry place.
- Use only the original or certified compatible charging cables.

6.2 Cleaning the Device

- Power off the device before cleaning.
- Use a soft, dry cloth to wipe the exterior of the device.

- Avoid using liquid cleaners or abrasive materials.

7. TROUBLESHOOTING

7.1 No Internet Access

- **Check SIM Card:** Ensure the SIM card is correctly inserted and active with a data plan.
- **Signal Strength:** Verify the signal strength indicator on the device's screen. If the signal is weak or absent, move to an area with better reception.
- **APN Settings:** Access the web management interface and check the APN (Access Point Name) settings. These should typically be configured automatically, but manual adjustment may be required for some carriers.
- **Data Limit:** Check if you have exceeded your data limit.
- **Reboot:** Power off the M7450, wait a few seconds, and then power it back on.

7.2 Unable to Connect to Wi-Fi

- **Wi-Fi Enabled:** Ensure Wi-Fi is enabled on both the M7450 and your connecting device.
- **Correct Password:** Double-check that you are entering the correct Wi-Fi password (Wireless Key).
- **Distance:** Ensure your device is within the Wi-Fi range of the M7450.
- **Max Devices:** Verify that the maximum number of connected devices (32) has not been reached.

7.3 Device Not Powering On

- **Battery Charge:** Connect the device to a power source and allow it to charge for at least 30 minutes.
- **Battery Insertion:** Ensure the battery is correctly inserted.

8. SPECIFICATIONS

Feature	Detail
Brand	TP-Link
Model Name	M7450
Wireless Standard	802.11a/b/g/n/ac
Frequency Band Class	Dual-Band (2.4GHz & 5GHz)
4G LTE Support	LTE-Advanced Cat.6 (up to 300Mbps DL, 50Mbps UL)
Connected Devices	Up to 32
Battery Capacity	3000mAh Lithium Polymer
Battery Life	Up to 15 hours (usage), over 900 hours (standby)
Screen Display Size	1.44 Inches
Micro SD Card Slot	Yes, up to 32GB
USB Ports	1 x Micro USB 2.0

Feature	Detail
Dimensions (L x W x H)	6.65 x 1.6 x 11.25 cm
Weight	220 g

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official TP-Link website or contact their customer service. The warranty period typically covers manufacturing defects from the date of purchase. Keep your proof of purchase for warranty claims.

Online Support: Visit www.tp-link.com/support for FAQs, firmware updates, and contact information.