ComX Computers
Product Specification Sheet

TP M8550

TP-Link M8550 5G Mobile Wi-Fi Router

Product Overview

TP-Link M8550 5G Mobile Wi-Fi Router; AXE3600 Wi-Fi 6E; Up to 3.4 Gbps 5G download; Up to 900 Mbps upload; 2.4 GHz, 5 GHz and 6 GHz; Up to 32 connected devices; 4680mAh rechargeable battery; Up to 14 hours battery life; Gigabit WAN/LAN; USB-C; Nano SIM; Micro SD up to 2TB; Touchscreen; 2 x TS-9 antenna ports











Specifications

About this product

The TP-Link M8550 5G Mobile Wi-Fi Router is a high-performance portable internet solution featuring 5G connectivity with download speeds of up to 3.4 Gbps and advanced Wi-Fi 6E AXE3600 tri-band wireless networking. Equipped with a 4680mAh rechargeable battery, touchscreen display, Gigabit WAN/LAN port and support for up to 32 connected devices, it provides flexible internet access for travel, business, remote working and home networking. With USB-C connectivity, external antenna ports, Micro SD card support and VPN functionality, the M8550 delivers versatile connectivity wherever compatible mobile network coverage is available. Buy the TP-Link M8550 5G Mobile Wi-Fi Router online in South Africa for fast, flexible wireless connectivity.

Overview Summary

TP-Link M8550 5G AXE3600 Mobile Wi-Fi Router

The TP-Link M8550 is an advanced portable 5G mobile Wi-Fi router designed to provide high-speed internet connectivity without relying on a fixed broadband connection. Supporting 5G cellular networking with theoretical download speeds of up to 3.4 Gbps and upload speeds of up to 900 Mbps, it provides high-speed wireless internet for compatible devices. It also supports 4G LTE connectivity, offering additional mobile network flexibility.

Featuring Wi-Fi 6E tri-band technology, the M8550 delivers combined AXE3600-class wireless networking with selectable 2.4 GHz, 5 GHz and 6 GHz frequency bands. It supports wireless connections for up to 32 devices simultaneously, making it suitable for families, business travellers, remote workers and small mobile workgroups.

The integrated 4680mAh rechargeable battery provides up to 14 hours of mobile Wi-Fi operation under specified conditions. Additional connectivity includes a Gigabit WAN/LAN port, USB-C interface, Nano SIM card slot, Micro SD card slot and two TS-9 external antenna connectors. A touchscreen provides convenient access to network information, connected devices, signal strength and battery status.

Performance tier: Premium 5G Mobile Wi-Fi Router

Uses: Portable 5G internet, business travel, remote working, mobile broadband, home internet, holiday connectivity, wireless device sharing, temporary office networking

Description

High-speed 5G mobile internet connectivity

The TP-Link M8550 5G Mobile Wi-Fi Router is designed for users who need reliable, high-speed internet connectivity in different locations. By using a compatible Nano SIM card and an available mobile network, the router creates a personal wireless hotspot that allows multiple devices to connect to the internet without requiring a traditional fixed-line broadband connection.

Its 5G cellular technology supports theoretical download speeds of up to 3.4 Gbps and upload speeds of up to 900 Mbps. The router also supports 4G LTE connectivity, providing additional flexibility when connecting through compatible cellular networks. Actual speeds depend on network coverage, signal strength, network congestion, service provider infrastructure and subscription conditions.

Advanced Wi-Fi 6E AXE3600 networking

The M8550 incorporates Wi-Fi 6E technology to provide access to the 2.4 GHz, 5 GHz and 6 GHz wireless frequency bands. This allows users to select suitable wireless frequencies according to their connected devices and surrounding network conditions. The advertised AXE3600 wireless classification combines the maximum theoretical wireless rates across its supported frequency bands.

Wireless speeds include up to 688 Mbps on 2.4 GHz and up to 2880 Mbps on either 5 GHz or 6 GHz. The router supports up to 32 connected wireless devices, allowing smartphones, laptops, tablets and other compatible equipment to share a single mobile internet connection.

Portable design with rechargeable battery

Designed for mobile connectivity, the M8550 features an integrated 4680mAh rechargeable battery. It provides up to 14 hours of mobile Wi-Fi operation under specified conditions, making it suitable for travelling, working remotely and maintaining internet access away from conventional power outlets. Battery performance varies depending on network conditions, wireless activity, connected devices and usage patterns.

Touchscreen control and network information

The integrated TFT touchscreen provides convenient access to important router information and settings. Users can monitor battery life, signal strength, network status, wireless connectivity, connected device numbers, traffic statistics and other network details directly from the device.

Flexible wired and wireless connectivity

The Gigabit WAN/LAN port provides a wired networking option for compatible computers and networking equipment. It can also be used for WAN connectivity when connecting the router to an external Ethernet internet source. A USB-C interface provides charging and power connectivity, while two TS-9 antenna ports allow compatible external antennas to be connected for additional signal flexibility.

Additional storage and network security

The integrated Micro SD card slot supports compatible memory cards with capacities of up to 2TB, allowing the device to provide additional storage functionality. The M8550 also includes VPN functionality, supporting secure network access through compatible VPN configurations. Supported features include VPN client functionality and VPN pass-through options.

Whether used for mobile broadband, remote working, business travel or flexible home networking, the TP-Link M8550 combines 5G connectivity, Wi-Fi 6E, a rechargeable battery and versatile networking interfaces in one portable internet solution.

Features

5G mobile broadband connectivity

- Supports 5G cellular networking for high-speed mobile internet access.
- Up to 3.4 Gbps theoretical 5G download speed.
- Up to 900 Mbps theoretical 5G upload speed.
- Supports 4G LTE connectivity for compatible mobile networks.
- Uses a Nano SIM card for mobile broadband connectivity.

Wi-Fi 6E AXE3600 tri-band networking

- Supports advanced Wi-Fi 6E wireless technology.
- Provides selectable 2.4 GHz, 5 GHz and 6 GHz frequency bands.
- Up to 688 Mbps wireless speed on the 2.4 GHz band.
- Up to 2880 Mbps wireless speed on the 5 GHz band.
- Up to 2880 Mbps wireless speed on the 6 GHz band.
- Supports multiple wireless operating modes, including 2.4 GHz with 5 GHz or 6 GHz.

Connect up to 32 devices

- Supports up to 32 simultaneously connected wireless devices.
- Allows smartphones, tablets, laptops and other compatible wireless equipment to share one internet connection.
- Suitable for mobile workgroups, family travel and shared internet access.

4680mAh rechargeable battery

- Integrated 4680mAh rechargeable battery.
- Provides up to 14 hours of mobile Wi-Fi operation under specified conditions.
- USB-C interface supports charging and power connectivity.
- Designed for portable internet access when travelling or working away from fixed power sources.

Touchscreen interface

- Integrated TFT touchscreen for convenient device management.
- Displays network type, signal strength and internet connection status.
- Provides access to battery information and wireless network details.
- Displays connected device numbers and traffic statistics.
- Allows convenient access to supported router settings.

Gigabit WAN/LAN connectivity

- 1 x Gigabit WAN/LAN Ethernet port.
- Supports wired networking for compatible computers and devices.
- Can provide an Ethernet WAN connection to an external internet source.
- Offers additional networking flexibility beyond wireless connectivity.

External antenna connectivity

- 2 x TS-9 external antenna connectors.
- Supports compatible external antennas for additional signal flexibility.
- Useful for networking environments where antenna positioning and signal reception require additional consideration.

Micro SD card support

- 1 x Micro SD card slot.
- Supports compatible Micro SD cards up to 2TB.
- Provides additional storage functionality.
- Memory card sold separately.

VPN and wireless security

- Supports VPN client functionality.
- Supports OpenVPN and other compatible VPN configurations.
- Includes VPN pass-through support for compatible connections.
- Supports WPA-PSK and WPA2-PSK wireless security.
- Supports wireless MAC filtering.
- Supports additional network management and security functions.

Portable networking applications

- Suitable for business trips and mobile working.
- Provides internet access while travelling in compatible network coverage areas.
- Can be used for temporary home and office networking.
- Supports flexible internet sharing without requiring a fixed broadband connection.

Share 5G Speed with Reliable Wi-Fi
Thanks to cutting-edge 5G tech, M8550 boosts up to 3.4 Gbps download speeds fulfills your devices' needs. Armed with WiFi 6E technology, M8550 is designed to deliver a huge boost in coverage, speed, and total capacity.

Holiday Travel
Plug & Play for 5G/4G/3G. Share Wi-Fi with up-to-32 devices. Large-capacity battery & power saving function help you travel

worry-free all day.

Business Trip
Stay productive on the go with M8550. Gigabit WAN/LAN Port enables direct Ethernet connection with your laptop for superfast, stable internet.

Home/Office Wi-Fi
Transform M8550 into your router. Plug it in with the USB-C Port and detach the battery to enhance Wi-Fi signal.

Premium Touchscreen, Instant Access
The intuitive screen display of M8550 makes it easy to stay within your data budget and avoids going over the monthly data cap. The screen also displays other much more information of battery life, signal strength, Wi-Fi status, connected users and more.

VPN Enhance Your Security
For professionals on the move, M8550 ensures safe and reliable access to corporate networks without individual device VPN installation and configuration. With WireGuard VPN, your data stays encrypted, protecting sensitive information while you work remotely. Stay productive, stay secure.

What's in the Box

- 1 x TP-Link M8550 5G Mobile Wi-Fi Router
- 1 x 4680mAh Rechargeable Battery
- 1 x Power Adapter
- 1 x USB-C Cable
- 1 x Quick Installation Guide

Specifications

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Specifications	
Product Code	TP M8550
HARDWARE FEATURES	
Interface	1x USB-C Port for Power Supply
	1x Gigabit WAN/LAN Port
	1x Nano SIM Card Slot
	1x Micro SD Card Slot
	2x TS-9 Antenna Ports
Button	Power On/Off
Power Supply	4680 mAh Rechargeable Battery
	Charge Voltage: 5V-3A, 9V-2A, 12V-1.5A

Network Type	US Version
	5G: N2 / N5 / N12 / N14 / N25 / N29 / N30 / N41 / N48 / N66 / N71 / N77
	4G:
	FDD-LTE: B2 / B4 / B5 / B7 / B12 / B13 / B14 / B25 / B26 / B29 / B30 / B66 / B71
	TDD-LTE: B41/B46/B48
	EU Version
	5G: N1 / N3 / N5 / N7 / N8 / N20 / N28 / N38 / N40 / N41 / N71 / N75 / N76 / N77 / N78
	4G:
	FDD-LTE: B1/B3/B5/B7/B8/B20/B28/B32/B71
	TDD-LTE: B38/B40/B41/B42/B43
	3G: HSPA+/HSPA/WCDMA: B1/B5/B8
Data Rates	5G
	Downlink: 3.4 Gbps
	Uplink: 900 Mbps
	LTE/4G
	Downlink: 1.6 Gbps
	Uplink: 200 Mbps
Dimensions (W x D x H)	135 x 73.7 x 20.5 mm
Antenna	Internal Antenna
Micro SD Card Reader	Up to 2 TB (*SD card sold separately)
Screen Display	2.4 inch TFT Touch Screen
WIRELESS FEATURES	
Wireless Standards	IEEE 802.11 a/b/g/n/ac/ax
	688 Mbps at 2.4 GHz
	2880 Mbps at 5 GHz
	2880 Mbps at 6 GHz
Frequency	2.4 GHz, 5 GHz, 6 GHz
Wireless Modes	2.4 GHz Only
	5 GHz Only
	6 GHz Only
	2.4 GHz & 5 GHz
	2.4 GHz & 6 GHz
Wireless Security	Support WPA-PSK/WPA2-PSK, Wireless MAC Filtering
DHCP	DHCP server, DHCP Client List
Transmission Power	2.4G < 20dbm, 5G < 23dbm
VPN	
VPN Item	Wireguard

OTHERS	
Network Services Enabled by Default	Web Server
	Manage and configure device through web
	Port: 80/443 Protocol: HTTP/HTTPS
	DNS
	Port: 53; Protocol: UDP
	DHCP Server
	IP address assignment
	Port: 67/547; Protocol: DHCP/DHCPv6
	SSH for app
	Manage and configure device through app
	Port: 20001 Protocol: SSH
	Tmpd for app
	Manage and configure device through app
	Port: 20002; Protocol: Tmpd
Certification	CE, RoHS
Package Content	5G AXE3600 Mobile Router M8550
	Power Adapter
	USB-C Cable
	4680 mAh Battery
	Quick Installation Guide
System Requirements	Windows 11/10/8/7/vista/XP, Mac OS, Android, iOS, Windows Phone
Power Supply	5V-3A, 9V-2A, 12V-1.5A

Network compatibility note: Mobile network frequency bands vary according to the regional hardware version. Confirm that the specific M8550 version supports the 5G and 4G LTE frequency bands used by your South African mobile network operator before purchasing. Actual mobile internet speeds and coverage depend on network availability, signal conditions and service provider infrastructure.

Additional notes: Nano SIM card and Micro SD card are sold separately. Actual battery life varies according to network conditions, connected devices and usage. Advertised wireless speeds represent theoretical maximum rates and are not guaranteed internet throughput speeds.

FAQ

What is the TP-Link M8550 5G Mobile Wi-Fi Router?

The TP-Link M8550 is a portable 5G mobile router that uses a compatible Nano SIM card to provide wireless internet connectivity. It supports Wi-Fi 6E AXE3600 networking and allows up to 32 devices to share one mobile internet connection.

Does the TP-Link M8550 support 5G internet?

Yes. The M8550 supports 5G mobile broadband with theoretical download speeds of up to 3.4 Gbps and upload speeds of up to 900 Mbps, subject to network availability and compatible mobile network bands.

Does the TP-Link M8550 support 4G LTE?

Yes. The router supports 4G LTE connectivity as well as 5G, providing mobile broadband compatibility with supported cellular networks.

How many devices can connect to the TP-Link M8550?

The TP-Link M8550 supports up to 32 simultaneously connected wireless devices, including smartphones, laptops, tablets and other compatible Wi-Fi equipment.

Does the TP-Link M8550 support Wi-Fi 6E?

Yes. It features Wi-Fi 6E AXE3600 tri-band technology with support for 2.4 GHz, 5 GHz and 6 GHz wireless frequency bands.

What is the maximum Wi-Fi speed of the TP-Link M8550?

The M8550 supports theoretical wireless speeds of up to 688 Mbps on 2.4 GHz and up to 2880 Mbps on either the 5 GHz or 6 GHz band. Actual speeds depend on the connected device and wireless environment.

How long does the TP-Link M8550 battery last?

The integrated 4680mAh rechargeable battery provides up to 14 hours of mobile Wi-Fi operation under specified conditions. Actual battery life varies according to signal strength, connected devices and usage.

Does the TP-Link M8550 have an Ethernet port?

Yes. It includes 1 x Gigabit WAN/LAN Ethernet port for connecting compatible wired devices or using an external Ethernet WAN connection.

Does the TP-Link M8550 support external antennas?

Yes. The router features 2 x TS-9 antenna connectors for compatible external antennas, providing additional flexibility for mobile signal reception.

Can I use the TP-Link M8550 as a home internet router?

Yes. The M8550 can provide a shared wireless internet connection at home or in an office using a compatible 5G or 4G SIM card. Its support for up to 32 wireless devices makes it suitable for flexible home and small office networking.

Does the TP-Link M8550 require a SIM card?

Yes. A compatible Nano SIM card and mobile data subscription are required for 5G or 4G mobile broadband connectivity. The router also supports an Ethernet WAN connection through its Gigabit WAN/LAN port.

Does the TP-Link M8550 support VPN?

Yes. The M8550 supports VPN functionality, including VPN client features and supported VPN pass-through configurations. This allows compatible VPN connections to be configured for secure network access.

Can the TP-Link M8550 use a Micro SD card?

Yes. The router includes a Micro SD card slot supporting compatible memory cards up to 2TB. The memory card is sold separately.

Is the TP-Link M8550 suitable for business travel?

Yes. Its portable design, rechargeable battery, 5G connectivity and support for up to 32 wireless devices make it suitable for business travellers who need shared internet access while away from the office.

Will the TP-Link M8550 work with South African mobile networks?

Compatibility depends on the regional hardware version and its supported 5G and 4G LTE frequency bands. Check the exact model version against the frequency bands used by your South African mobile network operator before purchasing.

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page: https://www.comx-computers.co.za/TP-M8550-TP-Link-M8550-5G-Mobile-Wi-Fi-Router-p-342175.php

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