

# 4G LTE portable mifi router M50



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# 1 Overview

Yeacomm M50 Mobile Powerbank WiFi Router is a high-speed packet access mobile hotspot. It is a multi-mode wireless terminal for SOHO (Small Office and Home Office) and business professionals.

M50 supports the following standards:

- \*Long Term Evolution (LTE) Frequency Division Duplex (FDD) Time Division Duplex(TDD)
- \*Dual Carrier High Speed Packet Access Plus (DC-HSPA+)
- \*High Speed Packet Access Plus (HSPA+)
- \*High Speed Uplink Packet Access (HSUPA)
- \*High Speed Downlink Packet Access (HSDPA)
- \*Universal Mobile Telecommunications System (UMTS)
- \*Enhanced Data rates for Global Evolution (EDGE)
- \*General Packet Radio Service (GPRS)
- \*Global System for Mobile communications (GSM)

\*M50 provides the following services:

- \*LTE FDD packet data service
- \*DC-HSPA+ packet data service
- \*HSPA+/HSPA/UMTS packet data service
- \*EDGE/GPRS packet data service
- \*Short Message Service (SMS)

M50 is with powerbank feature and easy to use, you can connect the router with the USB interface of a computer, or connect via Wi-Fi. In the service area of the LTE FDD /DC-HSPA+ /HSPA+ / HSPA/UMTS or EDGE/GPRS/GSM network, you can surf the Internet and send/receive messages/emails.It is with battery, you can use it at home, in the office or the way to travel, sharing the wifi with your friends.



## 2. Basic Specifications

Item	Description
CPU	ZX297520V3T
USIM Slot	Micro SIM card
USB Port	Standard USB Type C*1, USB Type A*1
Power Button	Hold on 3s to power on/off Short press to wake up /Light the LED
Reset Button	Tactile button. Long press over 10s to restore the factory settings
LED Indicators	WiFi/Connection *1 Power display*4
Battery	10,000MAh (With Powerbank Feature)
Power Supply (USB input)	5V/2.4A
Power Supply (USB output)	5V/2.4A
Dimensions	99mm (H) x 60mm (W) x 31mm (D)
Weight	About 220g

## 3. 4G/3G/2G cellular Technical Specifications

Item	Description
Wireless Access Technology	TD-LTE/FDD/WCDMA
3GPP/3GPP2 protocol	LTE FDD/TDD Rel 9 CAT4
Bands	Europe & Africa FDD:B1/B3/B7/B8/B20/B28 TDD:B38/40/41 WCDMA:B1/B5/B8  Latin America FDD:B2/B4/B5/B7/B28A/B28B WCDMA:B2/B4/B5  Asia: FDD:B1/B3/B5/B8 TDD:B38/40/41 WCDMA:B1/B8
Data Rate	LTE FDD: Max 150Mbps (DL) / Max 50Mbps (UL) ; LTE TDD: Max 130Mbps (DL) / Min 35Mbps (UL) ; WCDMA: Max 21Mbps (DL) / Max 5.76Mbps (UL) ;
Receive Sensitivity	Compliance with 3GPP standard
MAX Output Power	LTE FDD: 23dBm±2dB; LTE TDD: 23dBm±2dB; WCDMA: 24dBm+1dB/-3dB;
Wireless MIMO technology	LTE 1T2R ,DL MIMO 2*2
Antenna Type	Internal Antenna
Antenna Gain	2~3dBi

## 4. WiFi Specifications

Item	Description
Standard	IEEE 802.11b/g/n
Channel Bandwidth	20MHz,40MHz
Frequency	2.4G
TXRX	1T1R
Peak Rate	802.11b:11Mbps 802.11g:54Mbps 802.11n:150Mbps
Modulation	DSSS/CCK,OFDM
Receive Sensitivity	-82dBm in 802.11b -72dBm in 802.11g -62dBm in 802.11n
MAX Output Power	17dBm in 802.11b 15dBm in 802.11g 13dBm in 802.11n
Antenna Type	Internal Antenna
Antenna Gain	2~3dBi

## 5. SW Specifications

Item	Description
Language Support	Default English, other languages can be customized upon request
IP Protocol	IPv4/IPv6
SIM Management	PIN Management SIM Lock Support PIN/PUK certification
Network Connection Management	Automatic network mode setting Manual network mode setting Automatic dial-up connection Manual dial-up connection Automatic reconnection function Support roaming dialing Manual disconnect WEBUI display information

LTE Scan Mode	<p>Full band scan</p> <p>Frequency Lock</p> <p>PCI Lock</p>
WLAN	<p>Configure Network Name (SSID) , Password</p> <p>Support Multi SSID</p> <p>Wi-Fi basic settings</p> <p>Wi-Fi security settings</p> <p>WPS setting</p> <p>Support AP/Station mode</p> <p>Wi-Fi QR code</p> <p>Wi-Fi coverage settings</p> <p>Wi-Fi black and white list function</p>
SMS	<p>Send, Receive, Read, Edit, Delete message</p> <p>Message full processing</p> <p>Concurrency with data services</p> <p>Show the number of stored messages</p> <p>Message status report support</p>
Firewall	<p>IP/MAC/URL Filter</p> <p>UPnP settings</p> <p>DMZ settings</p>
Statistics	<p>LTE Status</p> <p>Connection Time</p> <p>System Up Time</p> <p>Device Status</p> <p>DHCP Client List</p> <p>Wi-Fi Station List</p> <p>LTE Status</p> <p>Firewall Status</p>
Maintenance	<p>Date &amp; Time setting</p> <p>DHCP settings</p> <p>Reboot</p> <p>Restore factory settings</p> <p>Firmware upgrade locally/OTA (over the air)</p>
SNTP	<p>SNTP function</p> <p>SNTP supports daylight saving time</p>
Charge	<p>Shut down charging</p> <p>Power on and charge</p>

## 6.Packing list

Packing list of the M50 as follow:

Item	Quantity
4g mobile wifi	1
Rechargeable Battery (10000MAh)	1
USB Cable	1
User manual	1