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MERCUSYS MB112-4G

N300 WI-FI 4G LTE ROUTER User Manual

Model: MB112-4G

Introduction

The Mercusys MB112-4G N300 WI-FI 4G LTE Router is designed to provide reliable and high-speed internet access using 4G LTE mobile networks. This device offers a single-band 2.4 GHz Wi-Fi 4 (802.11n) connection with a maximum WLAN data transfer rate of 300 Mbit/s. It features Fast Ethernet LAN ports (10/100 Mbit/s) and supports 4G LTE-TDD & LTE-FDD standards across various frequency bands (700, 800, 850, 900, 1800, 2100, 2300, 2600 MHz). Advanced security algorithms like WPA-PSK and WPA2-PSK are supported to ensure a secure network environment.
This manual provides detailed instructions for setting up, operating, maintaining, and troubleshooting your router to ensure optimal performance.

Package Contents

- Mercusys MB112-4G N300 WI-FI 4G LTE Router
- Power Adapter
- Ethernet Cable
- Quick Installation Guide

Hardware Overview

Figure 1: Front and Side View. This image displays the router's front panel with status indicator LEDs and a side view revealing the Micro SIM card slot and reset button.

Figure 2: Rear View. This image shows the back of the router, highlighting the LAN/WAN Ethernet ports and the power input jack.

LED Indicators

- **Power:** Indicates power status.
- **Wi-Fi:** Indicates Wi-Fi network status.
- **LAN/WAN:** Indicates Ethernet port activity.
- **Internet:** Indicates internet connection status.
- **4G/LTE:** Indicates 4G LTE signal strength and connection.

Ports and Buttons

- **Micro SIM Card Slot:** Insert your 4G LTE Micro SIM card here.
- **LAN/WAN Ports:** Ethernet ports for wired connections. One port can function as a WAN port for a wired internet source.
- **Power Input:** Connect the provided power adapter.

- **WPS/Reset Button:** Press for WPS function; press and hold for factory reset.

Setup

Step 1: Insert SIM Card

Ensure the router is powered off. Locate the Micro SIM card slot on the side of the router. Gently insert your 4G LTE Micro SIM card into the slot until it clicks into place. Ensure the card is oriented correctly as indicated by the diagram near the slot.

Figure 3: SIM Card Insertion. This image illustrates the correct method for inserting a Micro SIM card into the router's dedicated slot.

Step 2: Power On the Router

Connect the provided power adapter to the router's power input port and then plug the adapter into a standard electrical outlet. The Power LED indicator should light up.

Step 3: Connect to the Internet

The router will automatically detect the 4G LTE network and establish an internet connection. The 4G/LTE LED and Internet LED should turn solid, indicating a successful connection. If you prefer a wired WAN connection, connect an Ethernet cable

from your modem or wall jack to the LAN/WAN port on the router.

Figure 4: WAN Connection Backup. This image demonstrates how the router can utilize a wired Ethernet WAN connection as an alternative or backup internet source.

Step 4: Connect Devices to Wi-Fi

Locate the Wi-Fi network name (SSID) and password printed on the label at the bottom of the router. On your device (smartphone, laptop, etc.), select the router's Wi-Fi network from the available networks list and enter the password to connect.

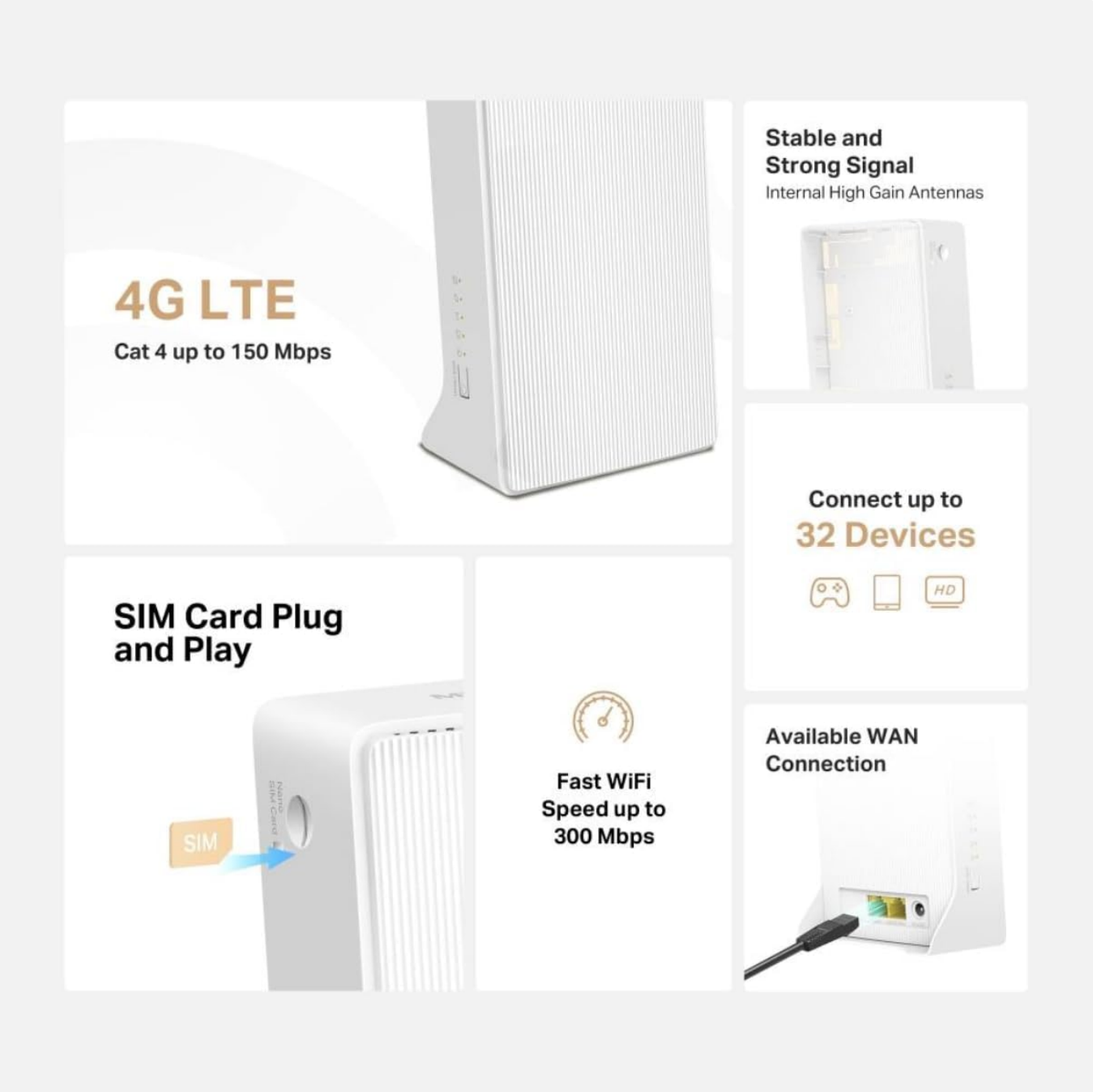

Figure 5: Key Features Overview. This infographic summarizes the router's capabilities, including its 4G LTE speed, Wi-Fi performance, SIM card functionality, signal strength, device capacity, and WAN connection option.

Operating the Router

Accessing the Web Management Interface

To configure advanced settings, open a web browser on a device connected to the router's network. Type the default access address (usually *192.168.1.1* or *mwlogin.net*) into the address bar and press Enter. Log in using the default username and password (often *admin/admin* or found on the router's label).

Wi-Fi Settings

- **Change SSID and Password:** Navigate to the Wireless settings to customize your Wi-Fi network name and password for enhanced security.
- **Guest Network:** Create a separate network for guests to provide internet access without sharing your main network resources.
- **WPS Function:** Press the WPS/Reset button on the router and then the WPS button on your client device to quickly

connect without entering a password.

Network Modes

The router primarily operates as a 4G LTE router. It can also function as a standard wireless router by connecting an Ethernet cable to the LAN/WAN port, allowing it to use a wired internet source instead of the 4G LTE connection.

Figure 6: Superfast 4G LTE Speed. This image visually represents the high-speed internet capabilities of the router, combining 4G LTE and Wi-Fi performance.

Maintenance

- **Regular Firmware Updates:** Check the Mercusys official website for the latest firmware updates to ensure optimal performance and security.
- **Cleanliness:** Keep the router in a clean, dust-free environment. Avoid blocking ventilation holes.
- **Proper Placement:** Place the router in a central location, away from obstructions and sources of interference (e.g., microwaves, cordless phones) to maximize Wi-Fi coverage.
- **Rebooting:** Periodically reboot the router by unplugging it from the power outlet for 10 seconds and then plugging it back in. This can resolve minor network issues.

Troubleshooting

No Internet Access

- Check if the 4G/LTE LED is solid. If not, ensure the SIM card is properly inserted and activated with your mobile carrier.
- Verify that the Internet LED is solid. If not, check your SIM card's data plan and signal strength.
- If using a wired WAN connection, ensure the Ethernet cable is securely connected and your modem is working correctly.
- Try rebooting the router and your connected devices.

Weak Wi-Fi Signal

- Relocate the router to a more central position in your home or office.
- Avoid placing the router near large metal objects, concrete walls, or other electronic devices that may cause interference.
- Ensure your devices are within the router's Wi-Fi range.

Cannot Access Web Management Interface

- Ensure your device is connected to the router's network (either via Wi-Fi or Ethernet).
- Verify that you are using the correct access address (e.g., *192.168.1.1* or *mwlogin.net*).
- Clear your browser's cache and cookies, or try a different browser.
- If you forgot the login password, perform a factory reset by pressing and holding the WPS/Reset button for approximately 6-8 seconds until the LEDs flash. Note that a factory reset will erase all custom settings.

Specifications

Feature	Detail
Brand	MERCUSYS
Model Number	MB112-4G
WAN Connection Type	RJ-45
Wi-Fi Band	Single band (2.4 GHz)
Wi-Fi Standard	Wi-Fi 4 (802.11n)
WLAN Data Transfer Rate (Max)	300 Mbit/s
Ethernet LAN Interface Type	Fast Ethernet
Ethernet LAN Data Transfer Rates	10, 100 Mbit/s
Cabling Technology	10/100Base-T(X)
Mobile Network Generation	4G
4G Standard	LTE-TDD & LTE-FDD
4G Band Support	700, 800, 850, 900, 1800, 2100, 2300, 2600 MHz
Security Algorithms Supported	WPA-PSK, WPA2-PSK
Rechargeable Battery	No
Manufacturer's Warranty	3-year warranty

Feature	Detail
Battery(ies)	1 AAAA - included
Discontinued by Manufacturer	No
Language	English (Original: French)
Manufacturer	Mercusys

Warranty and Support

The Mercusys MB112-4G N300 WI-FI 4G LTE Router comes with a**3-year warranty against manufacturing defects**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or technical support, please contact Mercusys customer service or visit their official website.
For the most up-to-date support information, FAQs, and driver downloads, please refer to the official Mercusys support page.

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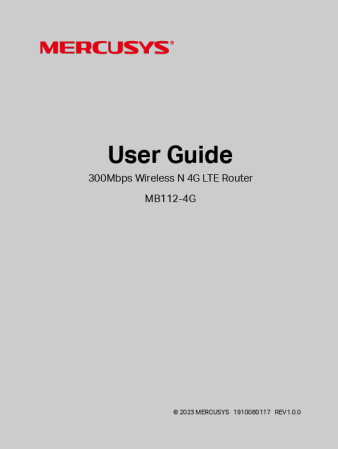
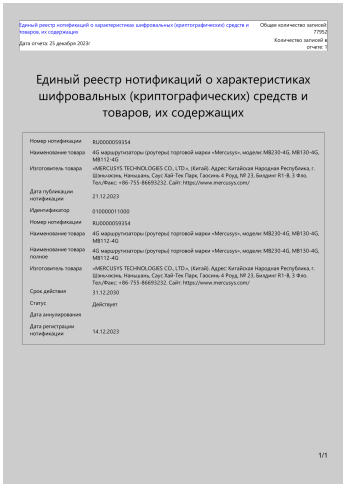
This manual is for informational purposes only. Specifications are subject to change without notice.

Documents - MERCUSYS – MB112-4G



Mercusys MB112-4G 300Mbps Wireless N 4G LTE Router User Guide
Explore the Mercusys MB112-4G User Guide for the 300Mbps Wireless N 4G LTE Router. Learn to set up, configure, and manage your high-speed 4G LTE network and Wi-Fi for gaming, streaming, and more.
lang:en score:61 filesize: 8.27 M page_count: 76 document date: 2023-12-18



Единый реестр нотификаций о характеристиках шифровальных (криптографических) средств и товаров, их содержащих

[pdf] User Manual

Единый реестр нотификаций о характеристиках шифровальных Dec 21 2023 · Наименование товара 4G маршрутизаторы роутеры торговой марки «Mercusys» модели MB230 MB130 MB112 полное 4G FSB 59354 Mercusys routers20231228100042 static mercusys manual |||

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https://p,ortal.eaeunion.org/sites/odata/_layouts/15/Portal.EEC.Registry.UI/DisplayForm.aspx ListId=d84d16d7-2cc9-4cff-a13b- 77952 530f96889dbc ItemId=87488 : 25 2023 : 1 , RU0000059354 4G Mercusys, : MB230-4G, MB130-4G, **MB112-4G** MERCUSYS TECHNO... lang:i-klingon score:40 filesize: 22.86 K page_count: 1 document date: 2023-12-25

MERCUSYS

300Mbps Wireless N 4G LTE Router

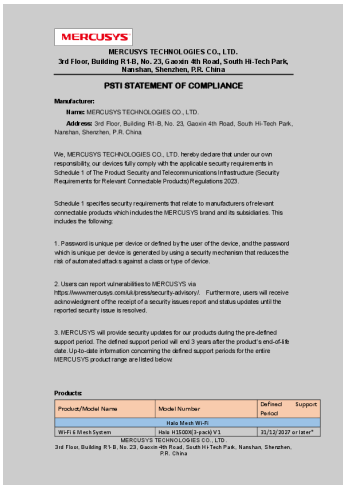
Model: MB112-4G

Highlights

MERCUSYS MB112-4G 300Mbps Wireless N 4G LTE Router Datasheet

Explore the MERCUSYS MB112-4G 300Mbps Wireless N 4G LTE Router datasheet, featuring superfast 4G LTE speeds up to 150 Mbps, 300 Mbps Wi-Fi, support for up to 32 devices, and versatile WAN connection options for reliable home and business internet.

lang:en score:39 filesize: 333.8 K page_count: 4 document date: 2024-01-08



MERCUSYS

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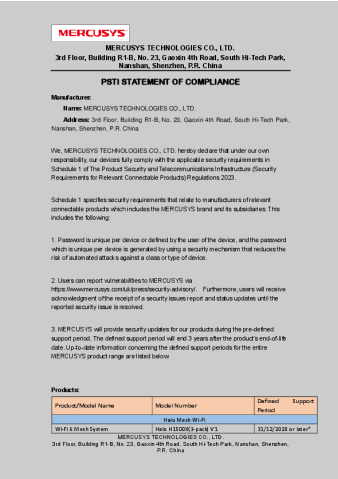
PSTI STATEMENT OF COMPLIANCE

MERCUSYS PSTI Statement of Compliance

This MERCUSYS PSTI Statement of Compliance declares that MERCUSYS devices meet the security requirements of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023. It details unique password generation, vulnerability reporting procedures, and outlines defined support periods for a wide range of MERCUSYS networking products including Wi-Fi Mesh Systems, Routers, Modems, Range Extenders, Switches, and Adapters.

lang:en score:38 filesize: 542.22 K page_count: 3 document date: 2024-11-22



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PSTI STATEMENT OF COMPLIANCE

Manufacturer:

Name: MERCUSYS TECHNOLOGIES CO., LTD.

Address: 3rd Floor, Building R1-B, No. 23, Gaoxin 4th Road, South Hi-Tech Park, Nanshan, Shenzhen, P.R. China

We, MERCUSYS TECHNOLOGIES CO., LTD. hereby declare that under our own responsibility, our devices fully comply with the applicable security requirements in Schedule 1 of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023.

Schedule 1 specifies security requirements that relate to manufacturers of relevant connectable products which includes the MERCUSYS brand and its subsidiaries. This includes the following:

1. Password is unique per device or defined by the user of the device, and the password which is unique per device is generated by using a security mechanism that reduces the risk of automated attack s against a class or type of device.

2. Users can report vulnerabilities to MERCUSYS via https://www.mercusys.com/uk/press/security-advisory/. Furthermore, users will receive acknowledgment of the receipt of a security issues report and status updates until the reported security issue is resolved.

3. MERCUSYS will provide security updates for our products during the pre-defined support period. The defined support period will end 3 years after the product's end-of-life date. Up-to-date information concerning the defined support periods for the entire MERCUSYS product range are listed below:

Products:

Product/Model Name	Model Number	Defined Support Period
Halo Mesh Wi-Fi		
Wi-Fi 6 Mesh System	Halo H1500X(3-pack) V1	31/12/2028 or later*

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[MERCUSYS PSTI Statement of Compliance for Connectable Products]

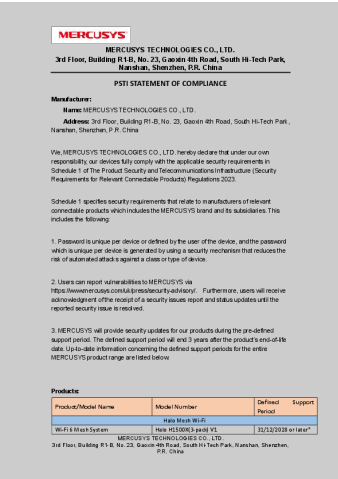
This document is a PSTI Statement of Compliance from MERCUSYS TECHNOLOGIES CO., LTD., declaring that their connectable products meet the security requirements of The Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023. It outlines security features, vulnerability reporting procedures, and defined support periods for a wide range of Mercusys networking products, including Wi-Fi mesh systems, routers, gateways, range extenders, switches, and adapters.

lang:en score:37 filesize: 547.14 K page_count: 3 document date: 2025-01-21

[MERCUSYS Product Guide: Mesh Wi-Fi Systems, Routers, Adapters & Extenders]

Explore the MERCUSYS product guide featuring advanced networking devices like Halo Mesh Wi-Fi 7 systems, Wi-Fi 6 routers, range extenders, and adapters for reliable home and small office internet access.

lang:en score:36 filesize: 34.39 M page_count: 60 document date: 2024-10-12



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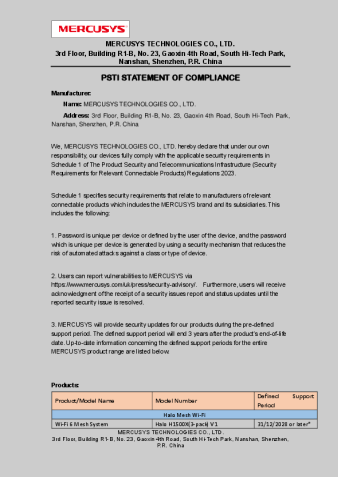
[MERCUSYS PSTI Statement of Compliance]

MERCUSYS TECHNOLOGIES CO., LTD. declares compliance with applicable security requirements for its connectable products, outlining security measures, vulnerability reporting, and support periods for various Wi-Fi systems, routers, modems, gateways, range extenders, switches, and adapters.

lang:en score:35 filesize: 710.7 K page_count: 4 document date: 2025-06-30



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[Mercusys PSTI Statement of Compliance for Connectable Products]

Mercusys Technologies Co., Ltd. declares compliance with the Product Security and Telecommunications Infrastructure (Security Requirements for Relevant Connectable Products) Regulations 2023, detailing security features, vulnerability reporting, and product support periods.

lang:en score:33 filesize: 543.87 K page_count: 3 document date: 2025-01-07

MERCUSYS Ürün Rehberi: Güvenilir İnternet Erişimi İçin Kapsamlı Kılavuz

MERCUSYS'in Mesh Wi-Fi sistemleri, Wi-Fi router'lar, menzil genişleticiler ve ağ adaptörleri dahil olmak üzere geniş ürün yelpazesini keşfedin. Ev ve küçük ofisler için yüksek hızlı, kesintisiz ve güvenli internet bağlantısı çözümleri sunar.

lang:id score:22 filesize: 20.79 M page_count: 56 document date: 2024-01-25