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Nokia 5G12-13W-B

Nokia FastMile 5G Gateway 3 User Manual

Model: 5G12-13W-B

1. Introduction

The Nokia FastMile 5G Gateway 3 is designed to provide fast and reliable 5G Wi-Fi connectivity for your home or office. This device leverages the latest 5G Wi-Fi technology to deliver super-fast broadband speeds. It is a self-sufficient gateway combining 4G and 5G radios, optimized with Nokia Mesh Wi-Fi 6 for an uninterrupted broadband experience, offering increased productivity and lower latency. Its attractive design allows it to blend seamlessly into any environment. The FastMile 5G Gateway 3 supports application containers and features eight reception antennas for enhanced signal reception and superior performance. Its eco-friendly design and plastic-free packaging reflect a commitment to sustainability.

2. Package Contents

Please ensure all items are present in the package:

- Nokia FastMile 5G Gateway 3 (Model 5G12-13W-B)
- Power Adapter

3. Product Features

- Product Type: 5G Gateway
- 5G Network Connectivity: Supports Bands N1/N3/N5/N7/N8/N28/N40/N78
- 4G LTE Bands: Supports B1/B3/B5/B7/B8/B28/B40
- WLAN Connectivity: Ax3600 (Wi-Fi 6)
- Integrated 4G and 5G radios for seamless connectivity
- Self-optimizing Nokia Mesh Wi-Fi 6 for extended coverage
- Eight reception antennas for improved signal strength
- Easy setup via Nokia WiFi Mobile app

4. Setup Guide

Follow these steps to set up your Nokia FastMile 5G Gateway 3:

4.1. Optimal Placement

Place the gateway in an open area, away from obstructions like walls, large furniture, or other electronic devices that might interfere with the signal. Ideally, position it near a window or in a central location in your home for the best 5G signal reception and Wi-Fi coverage.



Figure 1: Front view of the Nokia FastMile 5G Gateway 3, showing its cylindrical white design with the Nokia logo at the bottom.

4.2. Insert SIM Card

Locate the SIM card slot, usually at the bottom or back of the device. Insert your active 5G/4G SIM card into the slot until it clicks into place. Ensure the SIM card is correctly oriented as indicated by the diagram near the slot.

4.3. Connect Power

Connect the provided power adapter to the gateway's power port and then plug the adapter into a wall outlet. The gateway will power on automatically.

4.4. Initializing and Signal Check

Allow a few minutes for the gateway to initialize and connect to the 5G network. The LED indicators on the top of the device will show the connection status. A solid blue or green light typically indicates a successful connection.



Figure 2: Top view of the Nokia FastMile 5G Gateway 3, displaying the 5G signal strength indicator lights.

4.5. Connect Devices

You can connect devices via Wi-Fi or Ethernet cable.

- **Wi-Fi:** Find the Wi-Fi network name (SSID) and password printed on a label on the bottom or back of the gateway. Select this network on your device (smartphone, laptop, etc.) and enter the password.
- **Ethernet:** Connect an Ethernet cable from one of the LAN ports on the gateway to your device's Ethernet port.

4.6. Using the Nokia WiFi Mobile App

For advanced settings, network management, and optimal placement assistance, download the Nokia WiFi Mobile app from your device's app store. The app provides step-by-step guidance for configuration and monitoring.

5. Operating Instructions

5.1. LED Indicators

The LED lights on the top of the gateway provide important status information:

- **Power LED:** Indicates power status.
- **Internet LED:** Shows internet connection status (e.g., solid for connected, blinking for activity).
- **5G Signal LED:** Displays the strength of the 5G cellular signal. More bars typically mean a stronger signal.
- **Wi-Fi LED:** Indicates Wi-Fi network activity.

5.2. Network Management

Access the gateway's web interface by typing its IP address (usually 192.168.1.1 or 192.168.0.1) into a web browser while connected to its network. Log in with the credentials found on the device label. Here you can configure advanced settings

such as Wi-Fi name and password, port forwarding, and parental controls.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the gateway. Do not use liquid cleaners or aerosols.
- **Ventilation:** Ensure the ventilation holes are not blocked to prevent overheating.
- **Software Updates:** The gateway typically receives automatic software updates. Ensure it remains connected to the internet to receive these updates, which provide performance improvements and security enhancements.
- **Restarting:** If you experience connectivity issues, try restarting the gateway by unplugging the power adapter, waiting 10 seconds, and then plugging it back in.

7. Troubleshooting

Problem	Possible Cause / Solution
No Internet Connection	Check if the SIM card is properly inserted and active. Verify 5G/4G signal strength via LED indicators or app. Restart the gateway. Contact your mobile network provider for network issues.
Weak Wi-Fi Signal	Relocate the gateway to a more central or open area. Reduce interference from other electronic devices. Consider adding Nokia Mesh Wi-Fi extenders for larger homes.
Cannot Access Web Interface	Ensure your device is connected to the gateway's Wi-Fi or via Ethernet. Verify the correct IP address (e.g., 192.168.1.1). Clear browser cache or try a different browser.

8. Specifications

Model	5G12-13W-B
Dimensions (L x W x H)	12.5 x 12.5 x 21.8 cm
Weight	320 grams
Data Transfer Speed	1 Gigabit per second
Wireless Type	802.11n, 802.11b, 802.11ac, 802.11g (Wi-Fi 6 / Ax3600)
Number of Ports	1 (Ethernet)
Connectivity Technology	5G
Included Components	Power Adapter

9. Warranty and Support

Specific warranty details and direct support contact information are not provided in this manual. For warranty claims or technical assistance, please refer to the documentation included with your purchase or visit the official Nokia support

website for your region.

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