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## NETGEAR LM1200-100NAS

# NETGEAR 4G LTE Broadband Modem (LM1200) User Manual

Model: LM1200-100NAS | Brand: NETGEAR

### Product Overview

The NETGEAR LM1200 4G LTE Modem provides a reliable internet connection via LTE network, ideal for homes with limited broadband options or as a failover solution. It supports speeds up to 150Mbps, enabling fast downloads for streaming and gaming. The NETGEAR LM1200 4G LTE Modem is designed for simple Ethernet-based installation and is compatible with major service providers like AT&T, T-Mobile, and Verizon.

### What's in the Box

- LM1200 4G LTE Modem
- USB power adapter
- USB Type-C cable
- Ethernet cable
- Quick start guide

### Key Features

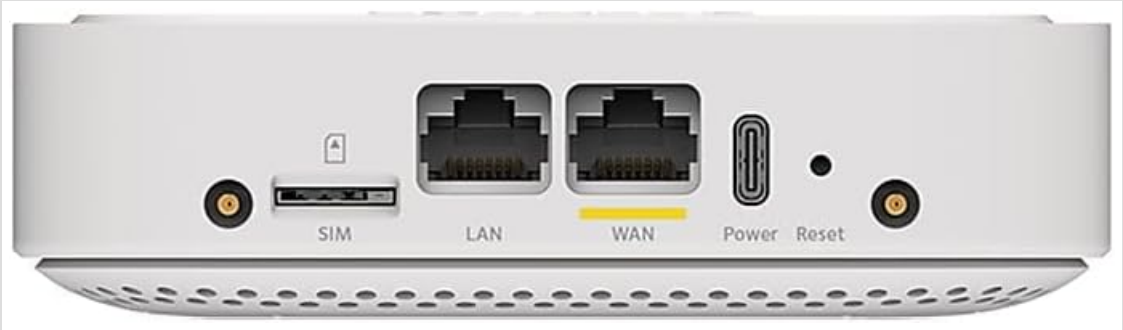
- Certified with AT&T, T-Mobile, and Verizon (Not compatible with Sprint).
- Requires Nano SIM card from carrier and activation of compatible BYOD data plan.
- Download speeds up to 150Mbps (speeds may vary by service and proximity to cell tower).
- Functions as a primary or backup internet connection, automatically switching to LTE for continuous connectivity.
- Automatic failover support ensures internet access even if primary cable internet is down.
- Connects to any wireless router.
- Two (2) Gigabit Ethernet ports (1 WAN + 1 LAN) for direct device connection.
- Designed for use in the US only.

## Setup and Installation

Follow these steps to set up your NETGEAR LM1200 4G LTE Modem:

### 1. Insert Nano SIM Card

Obtain a Nano SIM card and a compatible BYOD (Bring Your Own Device) data plan from your preferred cellular carrier (AT&T, T-Mobile, or Verizon). Contact your cellular provider with the modem's 15-digit IMEI number (found on the product label) to confirm compatibility and activate your data plan.




Back view of the LM1200 modem, highlighting the SIM card slot and Ethernet ports.

1. Locate the SIM card slot on the back of the modem.
2. Carefully insert the Nano SIM card into the slot until it clicks into place. Ensure the card is oriented correctly as indicated by the diagram near the slot.

### 2. Power On the Modem

Connect the provided USB Type-C cable to the Power port on the modem and the USB power adapter. Plug the power adapter into a wall outlet.



The LM1200 modem connected to a power source and ready for use.

The Power LED on the front of the modem will illuminate when power is connected. Wait for the modem to initialize and connect to the LTE network. The Signal Strength LEDs will indicate the connection status.

### 3. Connect to Your Network

You have two primary options for connecting the LM1200 to your network:

- **Connect to a Wireless Router:** Use an Ethernet cable to connect the LAN port on the LM1200 to the WAN (Internet) port on your wireless router. This allows all devices connected to your router (via Wi-Fi or Ethernet) to access the internet through the modem.




The LM1200 modem connected to a wireless router for network distribution.

- **Direct Connection to a Device:** Use an Ethernet cable to connect the LAN port on the LM1200 directly to the Ethernet port of a single device, such as a computer, gaming console, or smart TV.

### 4. Failover Solution Setup (Optional)

The LM1200 can serve as an automatic failover solution for your existing broadband connection. Connect your primary internet modem/router to the WAN port (yellow) on the LM1200. If your primary internet connection drops, the LM1200 will automatically switch to the 4G LTE connection, ensuring continuous internet access.

## Operating the Modem

Once set up, the LM1200 operates automatically. The LED indicators on the top of the modem provide status information:

- **Power LED:** Indicates power status. Solid green means powered on.

- **LAN LED:** Indicates activity on the LAN port.
- **WAN LED:** Indicates activity on the WAN port (if used for failover).
- **Signal Strength LEDs:** Multiple LEDs indicate the strength of the 4G LTE signal. More illuminated LEDs mean a stronger signal.




Top view of the LM1200 modem showing the LED indicators for power, LAN, WAN, and signal strength.

For detailed configuration or advanced settings, access the modem's web interface by connecting a computer directly to the LAN port and navigating to the default IP address (usually 192.168.5.1) in a web browser. Refer to the Quick Start Guide for default login credentials.

## Maintenance

To ensure optimal performance and longevity of your NETGEAR LM1200 modem:

- Keep the modem in a well-ventilated area to prevent overheating.
- Avoid placing the modem near sources of strong electromagnetic interference.
- Regularly check for firmware updates through the modem's web interface to ensure you have the latest features and security patches.
- Clean the exterior of the modem with a soft, dry cloth. Do not use liquid cleaners or aerosols.

## Troubleshooting

If you encounter issues with your LM1200 modem, try the following troubleshooting steps:

- **No Power:** Ensure the USB power adapter is securely connected to the modem and a working power outlet. Check the power LED.
- **No Internet Connection:**
  - Verify that the Nano SIM card is correctly inserted and activated with your carrier.
  - Check the Signal Strength LEDs. If they are off or red, the modem may not be receiving a strong enough LTE signal. Try relocating the modem to an area with better cellular coverage.
  - Ensure Ethernet cables are securely connected to the correct ports (LAN to router WAN, or LAN to device).
  - Restart the modem by unplugging the power adapter, waiting 10 seconds, and plugging it back in.
  - If using as a failover, ensure your primary internet connection is truly down and the LM1200 has switched over.
- **Slow Speeds:**
  - Signal strength is crucial for speed. Improve signal by relocating the modem or considering external antennas (connect to the TS-9 connectors).
  - Check your data plan with your carrier for any speed limitations or data caps.
  - Network congestion in your area can affect speeds.
- **Cannot Access Web Interface:** Ensure your computer is directly connected to the modem's LAN port and your network settings are configured to obtain an IP address automatically (DHCP). Double-check the default IP address and login credentials.

## Specifications

| Feature | Detail |
| --- | --- |
| Model Number | LM1200-100NAS |
| Dimensions (LxWxH) | 5.5 x 5.2 x 3.3 inches |
| Weight | 6.2 ounces (0.39 Pounds) |
| Connectivity Technology | Wi-Fi (via connected router), Ethernet |
| Data Transfer Rate | Up to 150 Megabits Per Second |
| Number of Ports | 2 (1 LAN, 1 WAN) Gigabit Ethernet |
| SIM Card Type | Nano SIM |
| External Antenna Ports | 2 (TS-9 connectors) |
| Compatible Carriers (US) | AT&T, T-Mobile, Verizon |

## Warranty and Support

For warranty information and technical support, please refer to the official NETGEAR website or the documentation included with your product. You can also find additional resources and FAQs on the NETGEAR Store on Amazon.
A user manual in PDF format is also available for download:User Manual (PDF).

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