



AT&T Internet Air™ for Business  
5G Gateway + Wi-Fi Extender  
User Guide

# Contents

---

## 5G Gateway

<b>Getting started</b> .....	<b>5</b>
<b>Introduction</b> .....	<b>6</b>
About the user guide .....	6
<b>Setting up your gateway</b> .....	<b>7</b>
Features and functions .....	7
LED Status Lights .....	9
Installing a SIM Card .....	10
Connecting Your Devices .....	11
Powering up .....	12
Connecting your devices .....	13
Connect using Wi-Fi .....	13
Connect using Ethernet .....	13
Connect an AT&T Wi-Fi Extender .....	13
<b>Basic operations</b> .....	<b>15</b>
Web User Interface .....	16
Web UI login .....	16
<b>Dashboard</b> .....	<b>17</b>
Accessing your dashboard .....	17
Dashboard main menu icons .....	18
Dashboard quick link icons .....	19
<b>Network</b> .....	<b>20</b>
Network Map .....	21
Status .....	22
Mobile-WAN .....	24

LAN	27
Wi-Fi	31
<b>IP Passthrough</b>	<b>37</b>
<b>Security</b>	<b>39</b>
Firewall	40
Blocked Devices	43
<b>Diagnostic</b>	<b>44</b>
Diagnostic Tools	44
<b>System Settings</b>	<b>45</b>
Admin (Password)	46
Backup/Restore	47
Firmware Update	49
<b>NAT Forwarding</b>	<b>51</b>
DMZ	51
UPnP	52
ALG	53
Virtual Servers	53
<b>FAQs, Technical Specifications, Troubleshooting</b>	<b>55</b>
<b>Common Issues</b>	<b>56</b>
Troubleshooting	56
<b>Specifications</b>	<b>57</b>
Gateway specifications	57
<b>Extender</b>	
<b>Getting started</b>	<b>58</b>
<b>Introduction</b>	<b>59</b>
About the user guide	59
<b>Setting up your extender</b>	<b>60</b>
Features and functions	60

LED Status Lights . . . . .	62
Connecting your extender . . . . .	63
Powering up . . . . .	64
Adding an extender to the network . . . . .	65
Pair wireless using WSP . . . . .	65
Pair using Ethernet . . . . .	67
Wi-Fi extender placement and proximity . . . . .	68
Connecting your devices . . . . .	69
<b>Basic operations . . . . .</b>	<b>70</b>
<b>Wi-Fi Extender Dashboard . . . . .</b>	<b>71</b>
Accessing your dashboard . . . . .	71
Extender Details . . . . .	72
Actions . . . . .	73
<b>FAQs, Technical Specifications, Troubleshooting . . . . .</b>	<b>76</b>
<b>Common Issues . . . . .</b>	<b>77</b>
Troubleshooting . . . . .	77
<b>Specifications . . . . .</b>	<b>78</b>
Wi-Fi Extender specifications . . . . .	78
<b>Regulatory and Warranty . . . . .</b>	<b>79</b>
<b>Disposal and Recycling . . . . .</b>	<b>80</b>
<b>Regulatory agency identification . . . . .</b>	<b>81</b>
FCC Regulations . . . . .	81
FCC Caution . . . . .	81
RF Exposure Information . . . . .	82
FCC responsible Party . . . . .	82
<b>Warranty . . . . .</b>	<b>83</b>
<b>Licenses . . . . .</b>	<b>85</b>
<b>Copyright information . . . . .</b>	<b>85</b>



## Getting started

---

The topics in this section will introduce you to your gateway, help you get set up, provide an overview of the gateway, and get you started with basic operations.

# Introduction

Thank you for purchasing your new **AT&T Internet Air™ for Business 5G Gateway**.

## About the user guide

The following topics explain how best to use this guide to get the most out of your gateway.

### Before using your gateway

Read the Safety Information Guide that came with your device thoroughly for proper usage.

### Descriptions in the user guide

Note that most descriptions in this guide are based on your gateway's setup at the time of purchase.

### Screenshots and key labels

Screenshots and other illustrations in this user guide may appear differently on your gateway. Labels are simplified for illustrative purposes.

### Other notations

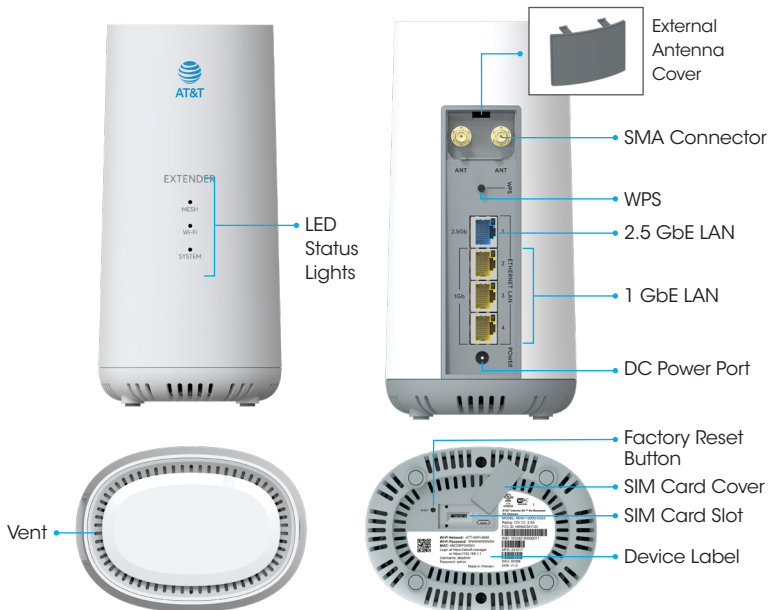
Throughout the user guide, the term "gateway" may be used to reference your AT&T 5G Gateway.

# Setting up your gateway

The following instructions give you all the information you need to set up your AT&T 5G Gateway for the first time.

## Features and functions

These topics illustrate your gateway's features and key functions.



Feature	Description
<b>LED Status Lights</b>	Illuminated components indicating the status of the gateway's functionality, see <a href="#"><i>"LED Status Lights" on page 9.</i></a>
<b>External Antenna Cover</b>	Fully removable protective cover.
<b>SMA Connector</b>	RF Coaxial connection point.
<b>WPS</b>	Press the Wi-Fi Protected Setup (WPS) button to connect WPS capable devices.
<b>2.5 GbE LAN</b>	2.5 Gigabit ethernet port.
<b>1 GbE LAN</b>	1 Gigabit ethernet ports.
<b>DC Power Port</b>	Electrical connection power port.
<b>Reset Button</b>	Press to reset your gateway to its factory default settings.
<b>SIM Card Cover</b>	Protective cover.
<b>SIM Card Slot</b>	Insert SIM Card into your gateway.
<b>Device Label</b>	Label containing the gateway information as well as the Web UI default username and password.

**CAUTION!** Inserting an accessory into the incorrect jack may damage the gateway.



## LED Status Lights

The status lights located on the front of the device indicate the status of the 5G Gateway's functions.

4G & 5G	Wi-Fi	System
<ul style="list-style-type: none"><li>● Strong</li><li>● Fair</li><li>● Weak</li><li>((●)) SIM Error</li><li>● No Connection</li></ul>	<ul style="list-style-type: none"><li>● Ready</li><li>((●)) Initializing</li><li>((●)) WPS Discoverable</li><li>● WPS Successful</li><li>● Error</li><li>● Off</li></ul>	<ul style="list-style-type: none"><li>● Ready</li><li>((●)) Initializing</li><li>((●)) Resetting</li><li>● Error</li><li>● Update Available</li><li>((●)) Updating Software</li><li>● Off</li></ul>

- The **4G & 5G LED Status Lights** indicate the cellular network signal strength and status.
- The **Wi-Fi LED Status Lights** indicate the Wi-Fi connection and WPS status.
- The **System LED Status Lights** indicate the status of the system functionality and firmware status.

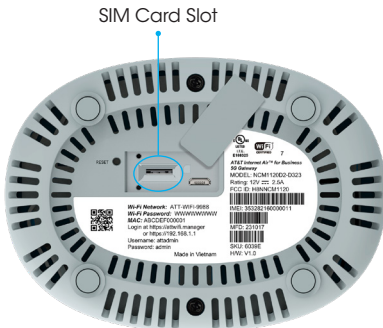
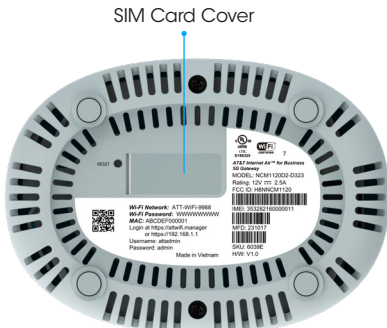
# Installing a SIM Card

## Insert a SIM card

1. Rotate the SIM Card Cover to open.
2. Insert the SIM card into the SIM Card Slot and press down until the SIM card clicks into the SIM Card Slot.
3. Replace the SIM Card Cover.

## Remove a SIM card

1. Rotate the SIM Card Cover to open.
2. Press down on the SIM card until the SIM card ejects out of the SIM Card Slot.
3. Remove the SIM card and replace the SIM Card Cover.

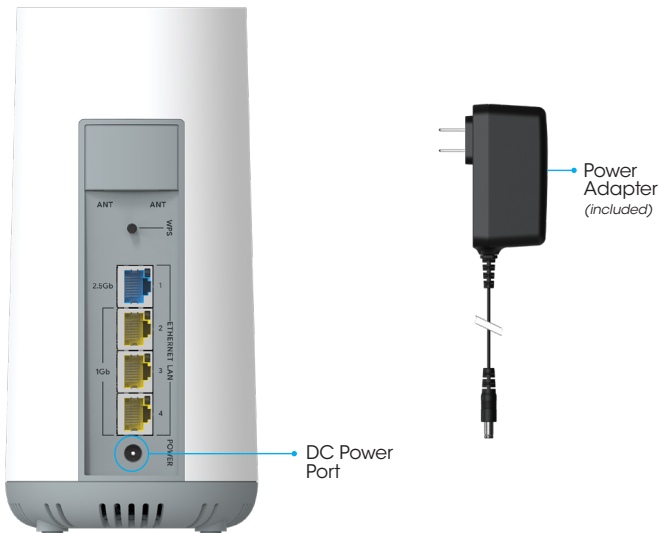


# Connecting Your Devices

The instructions below explain how to connect and set up your gateway.

## Plug in the gateway

Using the power adapter (included), plug in the gateway by inserting the connector at the end of the power cable into the DC Power Port on the gateway. Then, plug the power adapter into your electrical outlet.



## Powering up

Wait for the gateway to power up. Once the gateway is powered up, the **LED Status Lights** will turn solid. This will take approx. 2-3 minutes.

## Cellular network signal status

Verify the gateway is receiving a cellular network signal. The 5G or 4G **LED Status Lights** will be **solid green** when the gateway is receiving a strong cellular network signal.



## 5G and 4G LED Cellular Status Lights

- When the **LED Status Lights** are **solid green**, the cellular network signal is strong.
- When the **LED Status Lights** are **solid blue**, the cellular network signal is fair.
- When the **LED Status Lights** are **solid red**, the cellular network signal is weak.
- When the **LED Status Lights** are **blinking red**, there is a SIM error detected.
- When the **LED Status Lights** are **solid gray**, There is no cellular network signal detected.

### 4G & 5G Cellular LED Indicator Lights

● Strong	The gateway is receiving a strong signal.
● Fair	The gateway is receiving a fair signal.
● Weak	The gateway is receiving a weak signal.
((●)) SIM Error	No SIM inserted or there is a SIM error.
● No Connection	The gateway is not receiving a cellular signal.

**Note:** For additional help, please visit [att.com/5G-Gateway](http://att.com/5G-Gateway).

## Connecting your devices

You can connect your device to the gateway's Wi-Fi or Ethernet.

### Connect using Wi-Fi

1. Use a web browser to visit <http://attwifi.manager> or <http://192.168.1.1>.
2. Enter your username and password, then click **Login**.

**Note:** The default network name and password can be found on the label located at the bottom of your gateway.

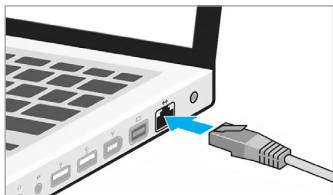
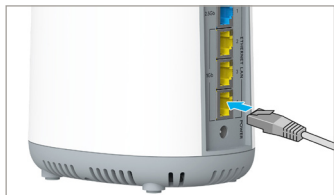
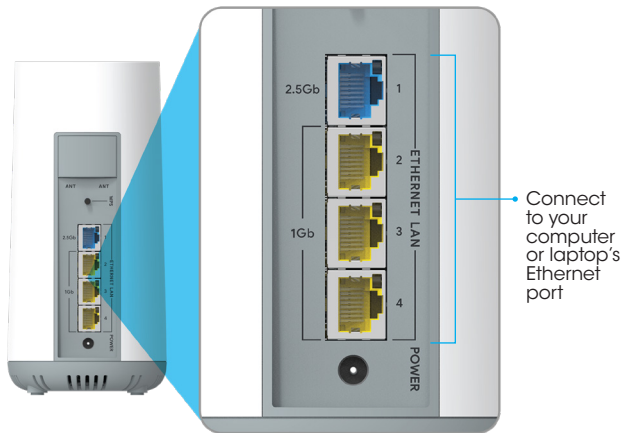


### Connect using Ethernet

1. Connect the Ethernet cable (sold separately) to your gateway's 2.5 GbE or 1 GbE LAN port located on the back of your device.
2. Connect the other end of the second Ethernet cable to your computer or laptop's Ethernet port.

### Connecting an AT&T Wi-Fi Extender

Extend the reach of your network with the AT&T Internet Air for Business™ Wi-Fi Extender (sold separately). See ["Adding an extender to the network" on page 63](#).



**Note:** For best results, it is recommended that you use a Cat-6 Ethernet cable or higher.



## Basic operations


---

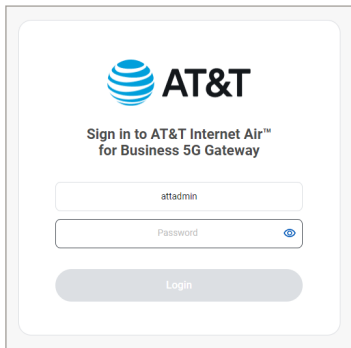
The following topics outline basic features and operations of your gateway.


# Web User Interface

The Web UI (Web User Interface) allows you to configure the 5G Gateway settings, and see status from the user-friendly dashboard.

## Web UI login


1. With your connected device, use your preferred web browser to access the Web UI.
2. Using the address bar, navigate to <http://attwifi.manager> or <http://192.168.1.1> to access the login page.
3. Enter your username and password, then click **Login**.
  - a. The default username (attadmin) cannot be changed.
  - b. The default password (admin) can be changed by accessing the **Dashboard** and clicking **System Settings**  > **Admin**, see ["Admin \(Password\)" on page 44](#).



 **AT&T**

Sign in to AT&T Internet Air™  
for Business 5G Gateway

attadmin

Password 

Login



# Dashboard

The dashboard is a user-friendly single stop to view your 5G Gateway's status, or change configurations.







## Accessing your dashboard

1. Login to the Web UI, see ["Web UI Login" on page 16](#).












The screenshot displays the AT&T 5G Gateway Web UI Dashboard. At the top left is the AT&T logo, and at the top right is a "5G Gateway" status indicator with a refresh icon. A left sidebar contains a navigation menu with the following items: Dashboard, Network, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled "Dashboard" and features a grid of 12 status tiles:

- Internet Status:** OK (with a green checkmark)
- AT&T | 5G Mobile-WAN:** Shows a signal strength icon.
- Wi-Fi:** Enabled (with a green checkmark)
- WPS:** Shows a Wi-Fi icon with a refresh symbol.
- Firewall:** ON (with a green checkmark)
- LAN:** Shows a network topology icon.
- Connected Devices:** Shows a laptop and tablet icon.
- System Information:** Shows a clock icon.
- System Settings:** Shows a gear icon.
- Firmware Update:** Up to date (with a green checkmark)
- Internal Antenna:** Shows a laptop and antenna icon.
- Wi-Fi Extender:** (3 Devices)

## Dashboard main menu icons

Icon	Name	Description
	<b>Dashboard</b>	The dashboard is a user-friendly single stop to view your 5G Gateway's status, or change configurations.
	<b>Network</b>	View and modify your network configurations including your network map, network status, mobile WAN, LAN, and Wi-Fi.
	<b>Security</b>	View and configure your security settings including your firewall and blocked devices.
	<b>Diagnostics</b>	Test your gateway to ensure it is functioning at its optimal performance level.
	<b>System Settings</b>	View and configure your system settings including your device name, password, backup/restore, system backup, reboot and reset, and firmware updates.
	<b>NAT Forwarding</b>	Create rules for communication to specific devices on your LAN, and edit pass-through options for protocols.

## Dashboard quick link icons

Icon	Name	Description
	<b>Internet Status</b>	Verify internet connection
	<b>Mobile-WAN</b>	Cellular status
	<b>Wi-Fi</b>	Wi-Fi settings
	<b>Wi-Fi Protected Setup</b>	WPS quick connect shortcut
	<b>Firewall</b>	Firewall security settings
	<b>LAN</b>	View and customize LAN settings
	<b>Connected Devices</b>	Connected device status and information
	<b>System Information</b>	Device information
	<b>System Settings</b>	Device administration settings
	<b>Firmware Update</b>	System software information/updates
	<b>Antenna</b>	Toggle on optional external antenna



## Wi-Fi Extender

View and manage your extender status and settings.

# Network

View and configure your network settings.

1. From the Dashboard  , click **Network**  to access your network settings.

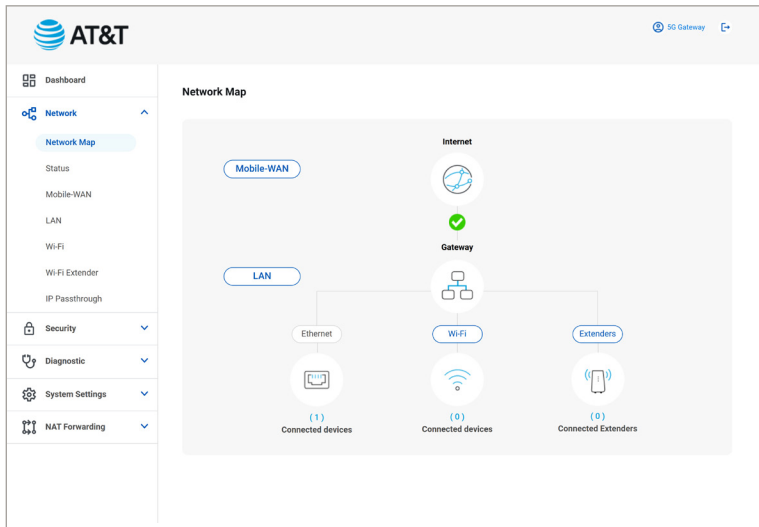
**Note:** When the network status is connected, it will show “OK” in green under the **Internet Status**  icon on the dashboard.

The screenshot shows the AT&T network management interface. On the left is a navigation sidebar with the AT&T logo and a menu with the following items: Dashboard, Network, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled "Dashboard" and displays a grid of 12 status tiles. The "Internet Status" tile is highlighted with a blue circle and shows a green "OK" status. Other tiles include "AT&T | 5G Mobile-WAN", "Wi-Fi (Enabled)", "WPS", "Firewall (ON)", "LAN", "Connected Devices", "System Information", "System Settings", "Up to date Firmware Update", "Internal Antenna", and "(3 Devices) Wi-Fi Extender".



# Network Map

The Network Map gives you a high level visual representation of your network, and connected devices.



1. From the Dashboard  , click **Network**  then click **Network Map** to view your network map.





## Mobile-WAN

1. From the Dashboard , click **Network**  then click **Network Map**.
2. Click [Mobile-WAN](#) to view your WAN (Wide Area Network) IP address.

## LAN



1. From the Dashboard , click **Network**  then click **Network Map**.
2. Click [LAN](#) to view your LAN (Local Area Network) IP address, Subnet mask, and DHCP (Dynamic Host Configuration Protocol) status.
3. From here you can also access your LAN Settings.

## Wi-Fi

1. From the Dashboard , click **Network**  then click **Network Map**.
2. Click [Wi-Fi](#) to view your Wi-Fi SSID and Password.
3. From here you can also access your Wi-Fi Settings.

## Status

View the status of your network components.

1. From the Dashboard , click **Network**  then click **Status** to access the status of the following:
  - **Overview:** Provides a high-level view of your current network status.
  - **Internet (v4):** Provides an overview of your current IPv4 status.
  - **Internet (v6):** Provides an overview of your current IPv6 status.
  - **Mobile:** Provides an overview of your current mobile status.

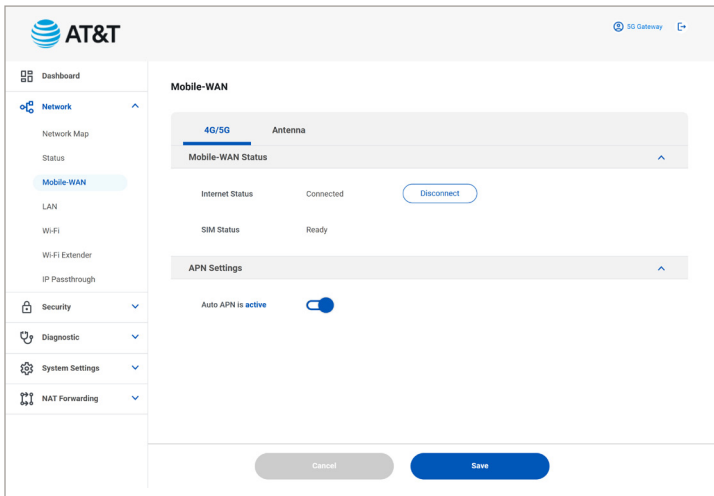
- **LAN:** Provides an overview of your current LAN status.
- **Wireless 2.4G:** Provides an overview of the current status of your 2.4 GHz Wi-Fi network.
- **Wireless 5G:** Provides an overview of your the current status of your 5 GHz Wi-Fi network.
- **System Information:** Provides an overview of your current system status.
- **Month to date usage:** Provides an overview of your data usage for the current month to date.
- **Current usage:** Provides an overview of your current data usage since the gateway was last rebooted.

The screenshot displays the AT&T 5G Gateway management interface. On the left is a navigation sidebar with the following menu items: Dashboard, Network (expanded), Network Map, Status (highlighted), Mobile-WAN, LAN, Wi-Fi, Wi-Fi Extender, IP Passthrough, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled 'Status' and contains a list of expandable sections: Overview, Internet(v4), Internet(v6), Mobile, LAN, Wireless 2.4G, Wireless 5G, System Information, Month to date usage, and Current usage. Each section has a downward-pointing chevron icon to its right.

# Mobile-WAN



Access your 4G/5G Mobile-WAN Status, APN Settings, and Antenna settings.

1. From the Dashboard  , click **Network**  then click **Mobile-WAN**, or click the **Mobile-WAN**  icon on the dashboard.




The screenshot displays the AT&T Mobile-WAN configuration interface. On the left is a navigation sidebar with options like Dashboard, Network, Mobile-WAN, LAN, Wi-Fi, Wi-Fi Extender, IP Passthrough, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled 'Mobile-WAN' and features two tabs: '4G/5G' (selected) and 'Antenna'. Below the tabs is a 'Mobile-WAN Status' section showing 'Internet Status' as 'Connected' with a 'Disconnect' button, and 'SIM Status' as 'Ready'. An 'APN Settings' section below that has a toggle for 'Auto APN is active' which is currently turned on. At the bottom of the settings area are 'Cancel' and 'Save' buttons.

## Mobile-WAN Status

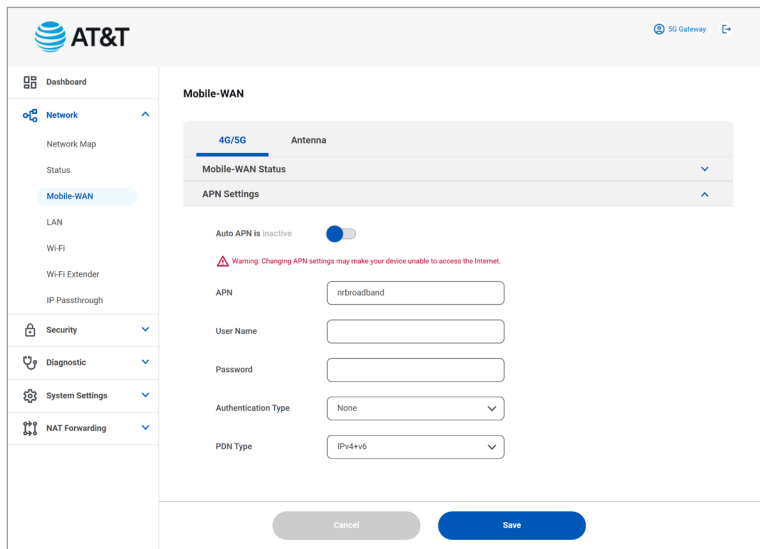
1. From the Dashboard  , click **Network**  > **Network Map** > **4G/5G**.
2. From here, you can view the status of your Internet Connection, and SIM card. Additionally, you can disconnect from the Mobile network, or change APN settings.



## APN Settings



1. From the Dashboard , click **Network**  > **Network Map** > **4G/5G** > **APN Settings**.
2. Auto APN is active by default.
3. You can manually configure the APN Settings by disabling Auto APN.

**Note:** Consult with AT&T before changing APN settings which can impact data performance and your ability to access the Internet.

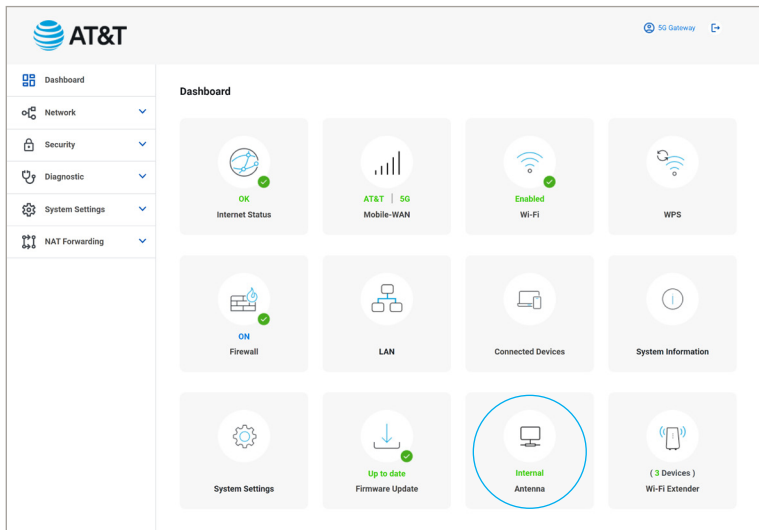


The screenshot shows the AT&T mobile settings application. The top bar features the AT&T logo on the left and a '5G Gateway' indicator on the right. A left-hand navigation menu includes options for Dashboard, Network (selected), Network Map, Status, Mobile-WAN (highlighted), LAN, Wi-Fi, Wi-Fi Extender, and IP Passthrough. Below this are expandable sections for Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled 'Mobile-WAN' and contains a sub-section for '4G/5G' with an 'Antenna' label. Underneath, there are expandable sections for 'Mobile-WAN Status' and 'APN Settings'. The 'APN Settings' section shows 'Auto APN is inactive' with a toggle switch. A warning message states: 'Warning: Changing APN settings may make your device unable to access the Internet.' Below the warning are input fields for 'APN' (containing 'rnbroadband'), 'User Name', and 'Password'. There are also dropdown menus for 'Authentication Type' (set to 'None') and 'PDN Type' (set to 'IPv4+v6'). At the bottom of the settings page are 'Cancel' and 'Save' buttons.

# Antenna

1. From the Dashboard , click **Network**  > **Network Map** > **Antenna**.
2. From here you can toggle between the internal and external antenna if equipped (sold separately).

**Note:** Your antenna status will appear as “**Internal**” or “**External**” (according to your settings) in green under the **Antenna**  icon on the dashboard.



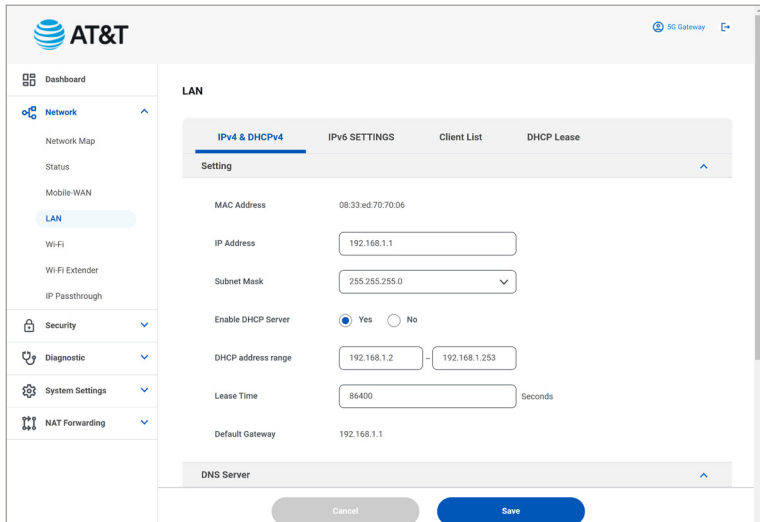
The screenshot shows the AT&T dashboard interface. On the left is a navigation menu with the following items: Dashboard, Network, Security, Diagnostic, System Settings, and NAT Forwarding. The main dashboard area is titled "Dashboard" and contains a grid of 12 status tiles. The tiles are: Internet Status (OK), AT&T | 5G Mobile-WAN, Enabled Wi-Fi, WPS, Firewall (ON), LAN, Connected Devices, System Information, System Settings, Up to date Firmware Update, Internal Antenna (highlighted with a red circle), and (3 Devices) Wi-Fi Extender.

Tile Name	Status
Internet Status	OK
AT&T   5G Mobile-WAN	AT&T   5G
Enabled Wi-Fi	Enabled
WPS	WPS
Firewall	ON
LAN	LAN
Connected Devices	Connected Devices
System Information	System Information
System Settings	System Settings
Up to date Firmware Update	Up to date
Internal Antenna	Internal Antenna
(3 Devices) Wi-Fi Extender	(3 Devices)

# LAN

Access and configure your LAN settings.

1. From the Dashboard , click **Network**  then click **LAN**, or click the **LAN**  icon on the dashboard.





The screenshot shows the AT&T 5G Gateway LAN configuration interface. The left sidebar contains navigation options: Dashboard, Network (selected), Network Map, Status, Mobile-WAN, LAN (highlighted), Wi-Fi, Wi-Fi Extender, IP Passthrough, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled 'LAN' and features four tabs: IPv4 & DHCPv4 (active), IPv6 SETTINGS, Client List, and DHCP Lease. Below the tabs is a 'Setting' section with the following configuration options:

MAC Address	08:33:ed:70:70:06
IP Address	<input type="text" value="192.168.1.1"/>
Subnet Mask	<input type="text" value="255.255.255.0"/>
Enable DHCP Server	<input checked="" type="radio"/> Yes <input type="radio"/> No
DHCP address range	<input type="text" value="192.168.1.2"/> - <input type="text" value="192.168.1.253"/>
Lease Time	<input type="text" value="86400"/> Seconds
Default Gateway	192.168.1.1

At the bottom of the configuration area is a 'DNS Server' section with a dropdown arrow. Below the settings are two buttons: 'Cancel' and 'Save'.




## IPv4 & DHCPv4

1. From the Dashboard , click **Network**  > **LAN** > **IPv4 & DHCPv4**.
2. From here you can configure the following;



- **Setting:**

Setting	Description
<b>MAC Address</b>	View the MAC address for your gateway.
<b>IP Address</b>	View and configure the IP Address for your gateway.
<b>Subnet Mask</b>	View and configure your subnet mask.
<b>Enable DHCP Server</b>	Enable or disable DHCP Server by selecting <b>Yes</b> <input type="radio"/> or <b>No</b> <input type="radio"/> .
<b>Lease Time</b>	View and configure your DHCP lease time.
<b>Default Gateway</b>	View your default gateway IP address.




- **DNS Server:** View and configure your DNS server IP address and Secondary DNS.
- **Static IP Assignment within DHCP IP Pool:**
  1. Select **Yes**  or **No**  to enable/disable static IP assignment.
  2. You can view the current list of assigned static IP addresses.

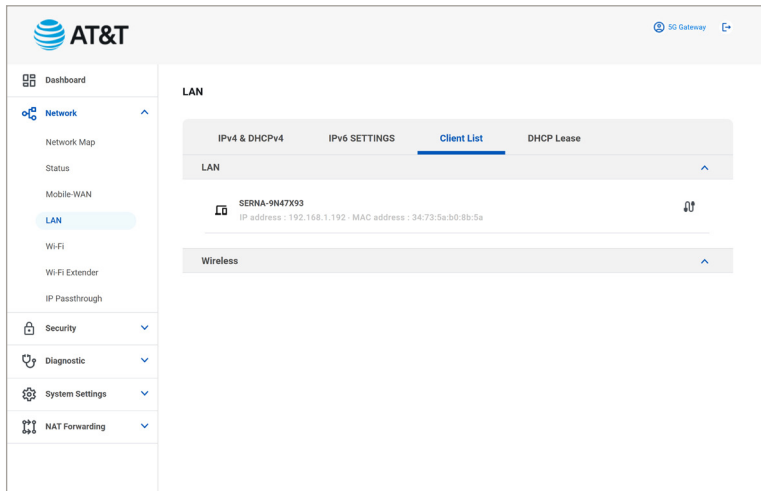
3. To assign a new static IP address, click Add Rule.
4. Select a device from the drop-down list of currently connected devices, confirm the current IP address or edit it.
5. For devices not yet connected, fill in the details manually.
6. Click Add and then **Save**  .
7. To delete an existing static IP address, click the trashcan icon  and then **Save**  .

## IPv6 Settings

1. From the Dashboard  , click **Network**  > **LAN** > **IPv6 Settings**.
2. From here you can configure your IPv6 LAN Settings.
3. Enable LAN by selecting **Enable**  or disable LAN by selecting **Disable**  .



## Client List

1. From the Dashboard  , click **Network**  > **LAN** > **Client List**, or click the **Connected Devices**  icon on the dashboard.
2. From here you can view the details of devices connected to your network.



The screenshot displays the AT&T network management interface. On the left is a navigation menu with categories: Dashboard, Network (expanded), Security, Diagnostic, System Settings, and NAT Forwarding. Under the Network category, options include Network Map, Status, Mobile-WAN, LAN (highlighted), Wi-Fi, Wi-Fi Extender, and IP Passthrough. The main content area is titled 'LAN' and contains sub-sections: IPv4 & DHCPv4, IPv6 SETTINGS, Client List (active), and DHCP Lease. The Client List section shows a table with one device: SERNA-9N47X93, with IP address 192.168.1.192 and MAC address 34:73:5a:b0:8b:5a. Below this is a 'Wireless' section.

## DHCP Lease




1. From the Dashboard  , click **Network**  > **LAN** > **DHCP Lease**.
2. From here you can view the MAC Address, temporary IP addresses and the Hostname assigned to the devices on your network.

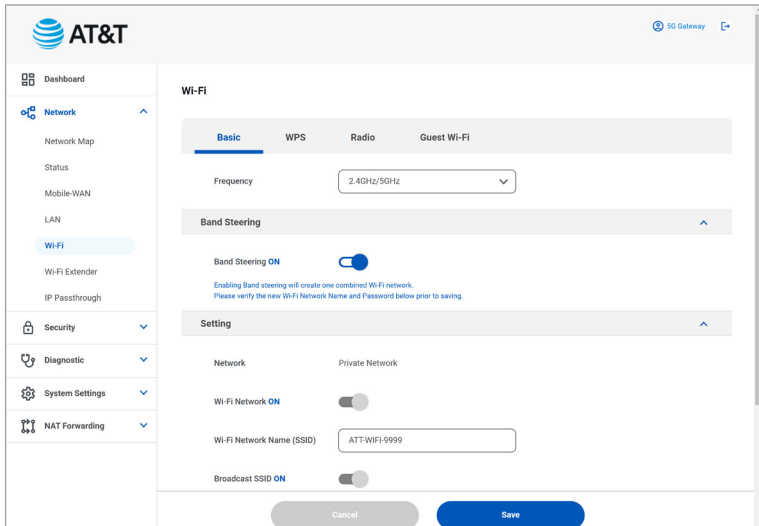
# Wi-Fi

View and configure your gateway's Wi-Fi settings.

**Note:** When Wi-Fi is turned on, it will show **"Enabled"** in green under the **Wi-Fi** quick link on the dashboard.

## Basic

1. From the Dashboard  , click **Network**  > **Wi-Fi** > **Basic**, or click the **Wi-Fi**  icon on the dashboard.
2. From here you can view and configure your basic Wi-Fi settings.







The screenshot displays the AT&T gateway's Wi-Fi configuration interface. On the left is a navigation menu with options: Dashboard, Network (selected), Network Map, Status, Mobile-WAN, LAN, Wi-Fi (highlighted), Wi-Fi Extender, and IP Passthrough. The main content area is titled 'Wi-Fi' and contains four tabs: Basic, WPS, Radio, and Guest Wi-Fi. The 'Basic' tab is active. It features a 'Frequency' dropdown menu currently set to '2.4GHz/5GHz'. Below this is the 'Band Steering' section, which is expanded to show 'Band Steering ON' with a blue toggle switch. A note indicates that enabling band steering creates a combined Wi-Fi network and advises verifying the SSID and password. The 'Setting' section is also expanded, showing 'Network' set to 'Private Network', 'Wi-Fi Network ON' with a toggle switch, 'Wi-Fi Network Name (SSID)' set to 'ATT-WIFI-9999', and 'Broadcast SSID ON' with a toggle switch. At the bottom of the settings area are 'Cancel' and 'Save' buttons.

- **Band Steering:** Turn Band Steering **On**  or **Off** .





**Note:** Enabling Band Steering will create one combined Wi-Fi network. Please verify the new Wi-Fi Network Name and Password prior to saving.

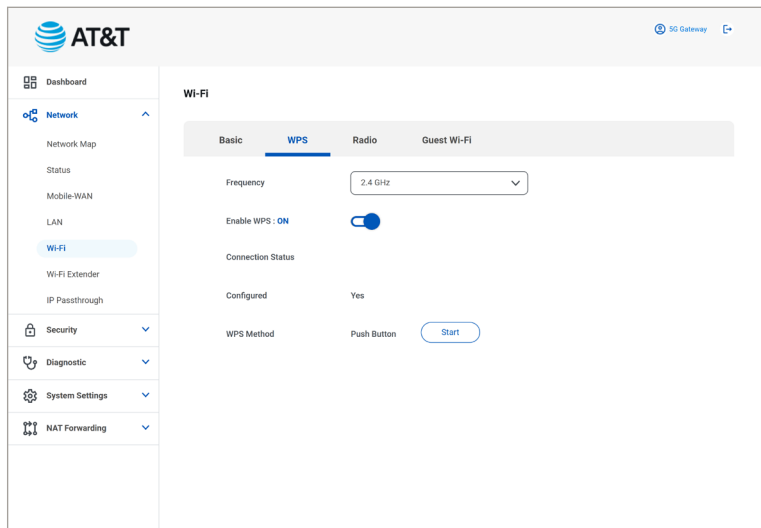
- **Setting:**

Setting	Description
<b>Wi-Fi Network</b>	Enable or disable your Wi-Fi network by sliding the switch to the <b>On</b>  or <b>Off</b>  position.
<b>Wi-Fi Network Name (SSID)</b>	View and configure your Wi-Fi network name.
<b>Broadcast SSID</b>	Enable or disable the broadcasting of the Wi-Fi Network Name (SSID) by sliding the switch to the <b>On</b>  or <b>Off</b>  position.
<b>Security Setting</b>	View and configure your security setting.
<b>WPA Encryption</b>	View your WPA encryption type.
<b>Wi-Fi Password</b>	View or change your Wi-Fi password.





## WPS (Wi-Fi Protected Setup)

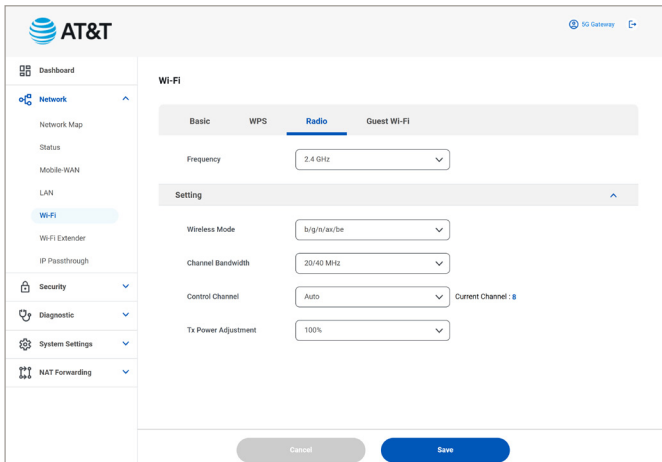
1. From the Dashboard , click **Network**  > **Wi-Fi** > **WPS**.
2. From here you can view and configure your WPS settings.
  - **Frequency:** View and configure your WPS frequency.
  - **Enable WPS:** Enable or disable WPS by sliding the switch to the **On**  or **Off**  position.



The screenshot shows the AT&T router's web interface. The top left features the AT&T logo. The top right has a '5G Gateway' status indicator. A left-hand navigation menu includes: Dashboard, Network (selected), Network Map, Status, Mobile-WAN, LAN, Wi-Fi (highlighted), Wi-Fi Extender, IP Passthrough, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled 'Wi-Fi' and has four tabs: Basic, WPS (active), Radio, and Guest Wi-Fi. Under the WPS tab, the following settings are visible: Frequency is set to 2.4 GHz; Enable WPS is turned ON; Connection Status is 'Configured'; and WPS Method is 'Push Button' with a 'Start' button.

## Radio

1. From the Dashboard , click **Network**  > **Wi-Fi** > **Radio**.
2. From here you can view and configure your radio settings.



The screenshot shows the AT&T Network Manager interface. The left sidebar contains navigation options: Dashboard, Network (selected), Network Map, Status, Mobile WAN, LAN, Wi-Fi (selected), Wi-Fi Extender, IP Passthrough, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled "Wi-Fi" and has four tabs: Basic, WPS, Radio (selected), and Guest Wi-Fi. Under the Radio tab, there are several settings:

- Frequency: 2.4 GHz
- Setting: (expandable section)
- Wireless Mode: b/g/n/a/x/be
- Channel Bandwidth: 20/40 MHz
- Control Channel: Auto (Current Channel: 8)
- Tx Power Adjustment: 100%



At the bottom of the settings area, there are "Cancel" and "Save" buttons.

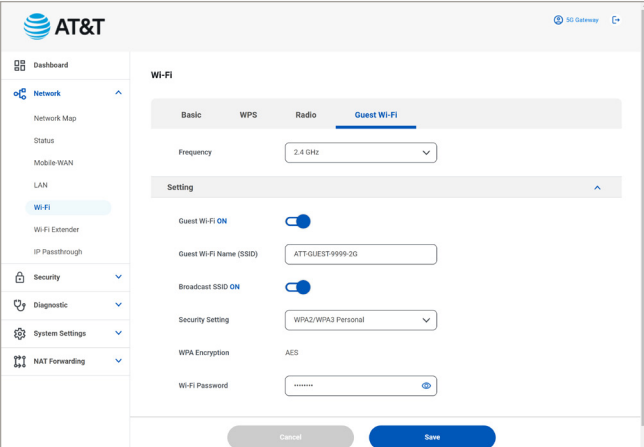
- **Frequency:** View and configure radio settings by selecting a frequency band from the drop-down list.
- **Setting:**

Setting	Description
<b>Wireless Mode</b>	View and configure your wireless mode.

<b>Channel Bandwidth</b>	View and configure your channel bandwidth.
<b>Control Channel</b>	View and configure your control channel.
<b>Tx Power Adjustment</b>	View and configure your Tx power percentage.





## Guest Wi-Fi

1. From the Dashboard , click **Network**  > **Wi-Fi** > **Guest Wi-Fi**.
2. From here you can view and configure your guest Wi-Fi settings.



- **Frequency:** View and configure guest Wi-Fi network settings by selecting a frequency band from the drop-down list.

- **Setting:**

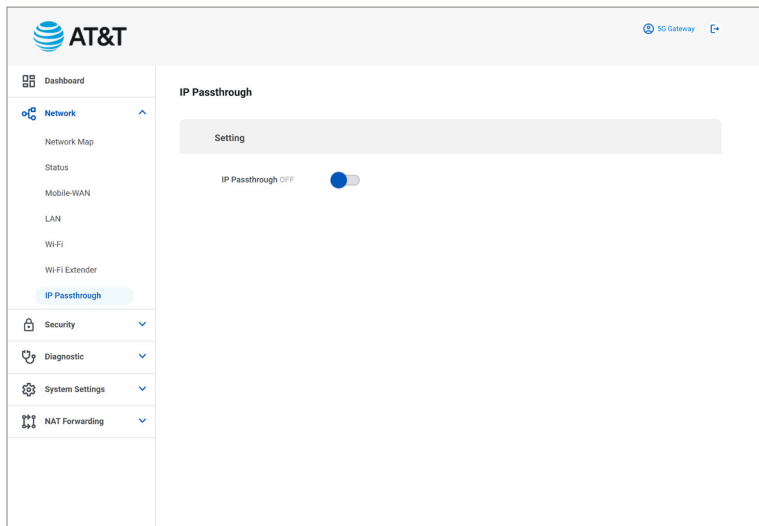
Setting	Description
<b>Guest Wi-Fi</b>	Enable or disable guest Wi-Fi by sliding the switch to the <b>On</b>  or <b>Off</b>  position.
<b>Guest Wi-Fi Name (SSID)</b>	View and configure your guest Wi-Fi name.
<b>Broadcast SSID</b>	Enable or disable the broadcasting of the Wi-Fi Network Name (SSID) by sliding the switch to the <b>On</b>  or <b>Off</b>  position.
<b>Security Setting</b>	View and configure your security setting.
<b>WPA Encryption</b>	View your WPA encryption type.
<b>Wi-Fi Password</b>	View or change your Wi-Fi password.

# IP Passthrough

Your AT&T 5G Gateway receives an IP address from the cellular network for routing data over the public Internet on behalf of devices connected to the LAN.





If a downstream device, such as a router or server, requires a direct connection to the public Internet, you may enable IP Passthrough to pass the gateway's IP address and internet traffic directly to the device.

**Note:** This feature is intended to be used with a public IP address. If you do not have a public IP address, please contact AT&T Business Sales.



The screenshot displays the AT&T 5G Gateway web interface. The top header features the AT&T logo on the left and a '5G Gateway' status indicator on the right. A left-hand navigation menu includes sections for 'Dashboard', 'Network' (with a sub-menu for Network Map, Status, Mobile-WAN, LAN, Wi-Fi, and Wi-Fi Extender), 'IP Passthrough' (highlighted), 'Security', 'Diagnostic', 'System Settings', and 'NAT Forwarding'. The main content area is titled 'IP Passthrough' and contains a 'Setting' section with a toggle switch for 'IP Passthrough OFF'.





## To configure IP Passthrough

1. Connect the intended device using Ethernet to the 2.5GbE port on your gateway.
2. From the Dashboard  , click **Network**  > **IP Passthrough**.
3. Enable IP Passthrough by sliding the switch to the **On**  position.
4. Click **Save**  .

**Note:** Once enabled, the remaining ethernet ports and Wi-Fi will be disabled. Any other connected devices, wired or wireless, will lose access to the local network and the internet.

Settings and features in the Web UI not applicable to cellular or system-level functions will be limited or disabled.

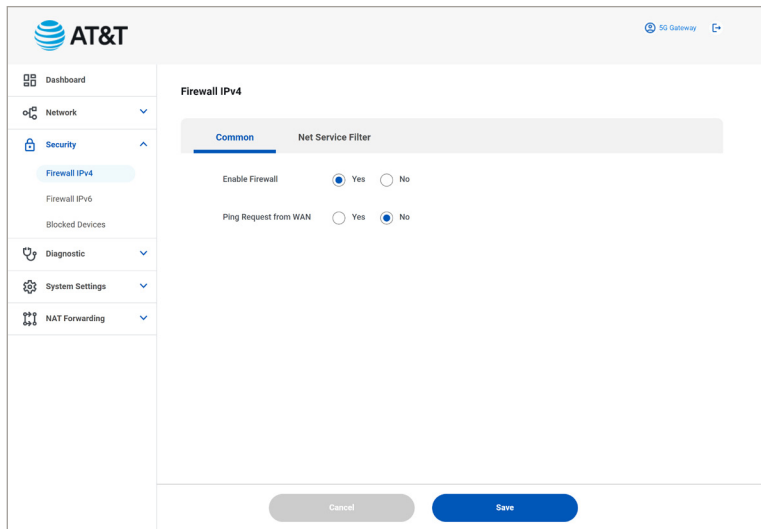
## To disable IP Passthrough

1. From a connected downstream device, use your preferred web browser to access the Web UI, see ["Web UI Login" on page 16](#).
2. From the Dashboard  , click **Network**  > **IP Passthrough**.
3. Disable IP Passthrough by sliding the switch to the **Off**  position.
4. Click **Save**  .

# Security


Configure and view your security settings.

1. From the Dashboard  , click **Security**  to access your security settings.



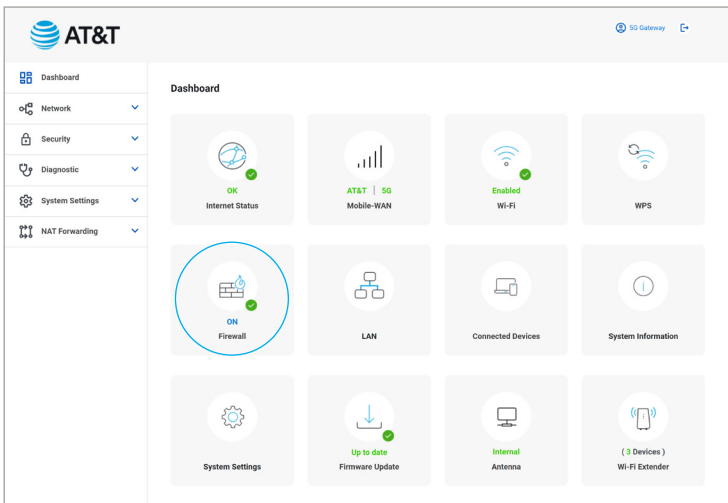
The screenshot shows the AT&T user interface for configuring security settings. The top left features the AT&T logo. The top right has a "5G Gateway" status indicator and a refresh icon. A left-hand navigation menu includes "Dashboard", "Network", "Security" (expanded to show "Firewall IPv4", "Firewall IPv6", and "Blocked Devices"), "Diagnostic", "System Settings", and "NAT Forwarding". The main content area is titled "Firewall IPv4" and contains two tabs: "Common" (selected) and "Net Service Filter". Under the "Common" tab, there are two settings: "Enable Firewall" with radio buttons for "Yes" (selected) and "No", and "Ping Request from WAN" with radio buttons for "Yes" and "No" (selected). At the bottom of the page, there are "Cancel" and "Save" buttons.

# Firewall

The **Firewall**  provides an additional layer of protection to restrict outside access to devices on your network from would-be cyber attackers. Your AT&T 5G Gateway has been preconfigured with this setting turned on for both **Firewall IPv4** and **Firewall IPv6** by default.

**Note:** When the firewall is enabled, it will show “ON” and display a green check mark under the **Firewall**  icon on the dashboard.




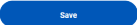
**Best Practice:** Consider installing antivirus software from a reputable source for additional protection against malicious software or other security threats.



The screenshot displays the AT&T 5G Gateway dashboard. On the left is a navigation menu with options: Dashboard, Network, Security, Diagnostic, System Settings, and NAT Forwarding. The main area is titled "Dashboard" and contains a grid of 12 status tiles. The "Firewall" tile, located in the second row, first column, is circled in blue and shows a green checkmark and the text "ON Firewall". Other tiles include Internet Status (OK), AT&T | 5G Mobile-WAN, Enabled Wi-Fi, WPS, LAN, Connected Devices, System Information, System Settings, Up to date Firmware Update, Internal Antenna, and (3 Devices) Wi-Fi Extender.



## To enable Firewall





1. From the Dashboard , click **Security**  > **Firewall IPv4** or **Firewall IPv6**, or click the **Firewall**  icon on the dashboard.
2. Under the **Common** tab select **Yes**  next to Enable Firewall.
3. Click **Save**  .

**Note:** Disabling the firewall is not recommended without careful consideration and additional protective measures in place.

## Ping Request from WAN

Turning on Ping Request from WAN allows outside clients to ping the public IP address from your 5G Gateway which may be needed to diagnose network connectivity issues.

### To enable/disable Ping Request from WAN




1. From the Dashboard , click **Security**  > **Firewall IPv4** or **Firewall IPv6**, or click the **Firewall**  icon on the dashboard.
2. Under the **Common** tab select **Yes**  or **No**  next to Ping Request from WAN.
3. Click **Save**  .

**Note:** Avoid leaving this feature enabled for longer periods of time than necessary. Doing so could leave your device open to security threats.




## Net Service Filter

The Network Services filter blocks or allows the LAN to WAN communication for specified devices, for specified network services.






## To configure Net Service Filter

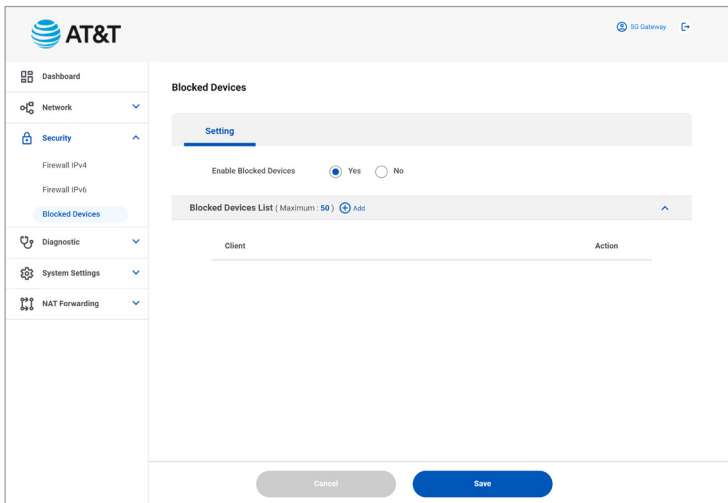
1. From the Dashboard  , click **Security**  > **Firewall IPv4**, or click the **Firewall**  icon on the dashboard.
2. Under the **Net Service Filter** tab select **Yes**  next to Enable Net Service Filter.
3. Select a mode from the Filter Table List drop-down.

Mode	Description
<b>White List</b>	Clients on the list can access the specified network services.
<b>Black List</b>	Clients on the list cannot access the specified network services.

4. Click **Add**  .
5. Fill in the necessary fields and click **Add**  .
6. Click **Save**  .

# Blocked Devices



1. From the Dashboard  , click **Security**  > **Blocked Devices**.
2. Under the **Settings** tab select **Yes**  to Enable Blocked Devices.
3. Click **Add**  .
4. Select a device from the client drop-down list if it's currently connected to your network.
5. For devices not currently connected, enter the device's MAC address
6. Click **Add**  and then **Save**  .





The screenshot shows the AT&T network management interface. On the left is a navigation menu with options: Dashboard, Network, Security (selected), Diagnostic, System Settings, and NAT Forwarding. Under Security, there are sub-options for Firewall (IPv4, IPv6) and Blocked Devices (highlighted). The main content area is titled "Blocked Devices" and has a "Setting" tab selected. It contains a toggle for "Enable Blocked Devices" set to "Yes". Below this is a "Blocked Devices List (Maximum: 50)" with an "Add" button. A table with columns "Client" and "Action" is visible but empty. At the bottom are "Cancel" and "Save" buttons.

# Diagnostic

Run diagnostics on your gateway to identify information needed to ensure efficiency and peak performance.

1. From the Dashboard  , click **Diagnostic**  to access your diagnostic tools.

## Diagnostic Tools



1. From the Dashboard  , click **Diagnostic**  > **Diagnostic Tools**.
2. Select your Method and Target from the drop down selections provided.

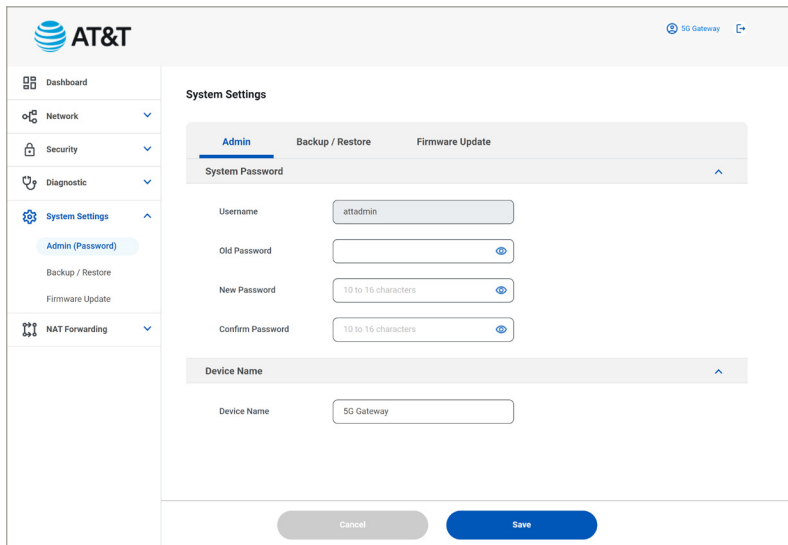
Method	Description
<b>Ping</b>	Tests if the specified host is reachable, and what the latency is.
<b>Traceroute</b>	Shows the path data takes to reach a specific target destination.

3. Click **Diagnose**  to generate a response.

# System Settings

View and configure your gateway's system settings.

1. From the Dashboard  , click **System Settings**  to access your system settings.



**AT&T** SG Gateway

**System Settings**

**Admin** Backup / Restore Firmware Update

System Password

Username

Old Password




New Password

Confirm Password

Device Name




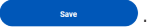
Device Name

## Admin (Password)

1. From the Dashboard  , click **System Settings**  then click **Admin (Password)**, or click the **System Settings**  icon on the dashboard.
2. From here you can change your system password and device name.





## System Password

### Change your system password



1. From the Dashboard  , click **System Settings**  then click **Admin (Password)**, or click the **System Settings**  icon on the dashboard.
2. Enter your old password.
3. Enter your new password.
4. Confirm your password by entering it again.
5. Click **Save**  .

## Device Name

### Change your device name

1. From the Dashboard  , click **System Settings**  then click **Admin (Password)**, or click the **System Settings**  icon on the dashboard.
2. Enter your new device name.
3. Click **Save**  .




## Backup / Restore

1. From the Dashboard  , click **System Settings**  then click **Backup/Restore**.
2. From here you can configure your system configuration or reset your system.

## Configuration





### Save to File

Save your current system configuration to a file.

1. From the Dashboard  , click **System Settings**  then click **Backup/Restore**.
2. Click **Save**  next to **Save to File**.

### Restore from File



Restore your system configuration to a previously saved version/file.

1. From the Dashboard  , click **System Settings**  then click **Backup/Restore**.
2. Click **Select file**  and select the file you would like to restore.
3. Click **Upload**  to install the chosen file.

## Reset

### System reboot

Reboot your system.




1. From the Dashboard  , click **System Settings**  then click **Backup/Restore**.

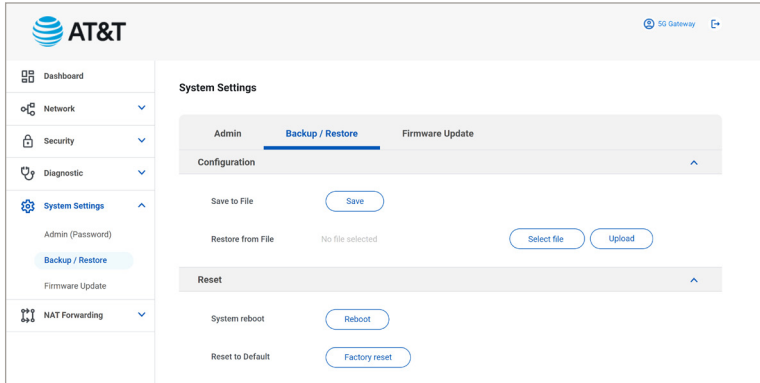
2. Click **Reboot**  .
3. An alert box will appear, click **Confirm** to continue, or **Cancel** to cancel the reboot.

## Reset to Default

Reset your system to original factory settings.

**Warning:** Performing a factory reset will restore the device to original factory settings and defaults shown on the gateway's label.

1. From the Dashboard  , click **System Settings**  then click **Backup/Restore**.
2. Tap **Factory reset**  .
3. An alert box will appear, click **Confirm** to continue, or **Cancel** to cancel the factory reset.



The screenshot shows the AT&T System Settings interface. On the left is a navigation menu with options: Dashboard, Network, Security, Diagnostic, System Settings (expanded), Admin (Password), Backup / Restore (selected), Firmware Update, and NAT Forwarding. The main content area is titled 'System Settings' and has three tabs: Admin, Backup / Restore (active), and Firmware Update. Under the 'Backup / Restore' tab, there are two sections: 'Configuration' and 'Reset'. The 'Configuration' section includes 'Save to File' with a 'Save' button, and 'Restore from File' with 'No file selected', 'Select file', and 'Upload' buttons. The 'Reset' section includes 'System reboot' with a 'Reboot' button, and 'Reset to Default' with a 'Factory reset' button. The top right of the page shows '5G Gateway' and a refresh icon.



## Alternative Reset

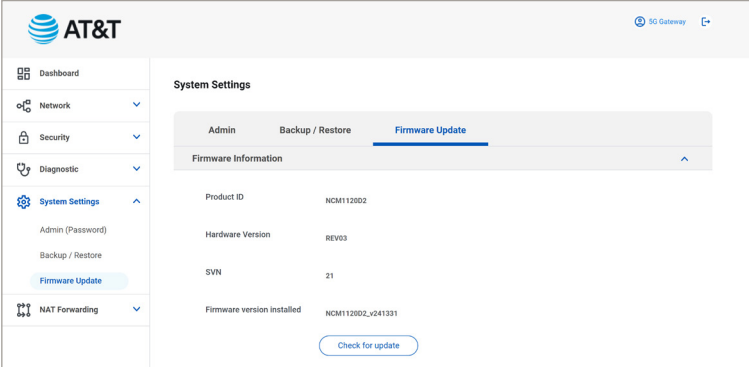
1. Leave the gateway plugged in and lay it on its side.
2. Use a paperclip to press and hold the **factory reset button** on the bottom of the gateway for at least 5 seconds until the System LED starts to flash green.
3. The LED will turn solid green once complete.

## Firmware Update

Keep your gateway's firmware up to date.

1. From the Dashboard , click **System Settings**  then click **Firmware Update**, or click the **Firmware Update**  icon on the dashboard.

**Note:** When your firmware is up to date, it will display **"Up to date"** in green under the **Firmware Update**  icon on the dashboard.



The screenshot shows the AT&T gateway web interface. The left sidebar contains navigation options: Dashboard, Network, Security, Diagnostic, System Settings (expanded), Admin (Password), Backup / Restore, Firmware Update (highlighted), and NAT Forwarding. The main content area is titled "System Settings" and has three tabs: Admin, Backup / Restore, and Firmware Update (selected). Under the Firmware Update tab, there is a "Firmware Information" section with the following details:




Product ID	NCM112002
Hardware Version	REV03
SVN	21
Firmware version installed	NCM112002_v241331

At the bottom of the Firmware Information section, there is a "Check for update" button.

## Firmware Information

Information	Description
<b>Product ID</b>	View your product ID.
<b>Hardware Version</b>	View your hardware version.
<b>SVN</b>	View your IMEI software version.
<b>Firmware version installed</b>	View the firmware version that is currently installed on your gateway.

### Check for firmware updates

1. From the Dashboard , click **System Settings**  then click **Firmware Update**.
2. Click **Check for update**  to generate a result status.
  - a. When the firmware is up to date the status will read, **"The current firmware is the latest version."**
  - b. When the firmware needs to be updated the status will read, **"New version is found"**.
3. Select **"Download and Update"** A progress bar will appear and the System LED Light will flash blue during the installation process.
4. Your gateway will power cycle upon successful completion.

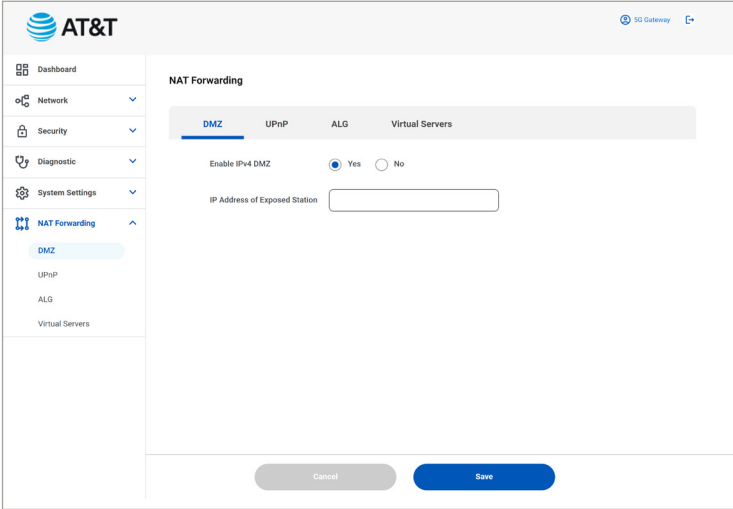
# NAT Forwarding

View and configure advanced network configurations.

1. From the Dashboard , click **NAT Forwarding**  to access your NAT forwarding settings.


## DMZ

Enable DMZ to pass all WAN traffic to a specific device.



The screenshot shows the AT&T web interface for NAT Forwarding settings. The top left features the AT&T logo. The top right shows a '5G Gateway' status indicator. A left-hand navigation menu includes: Dashboard, Network, Security, Diagnostic, System Settings, NAT Forwarding (expanded), DMZ (selected), UPnP, ALG, and Virtual Servers. The main content area is titled 'NAT Forwarding' and contains four tabs: DMZ (active), UPnP, ALG, and Virtual Servers. Under the DMZ tab, there is a section for 'Enable IPv4 DMZ' with radio buttons for 'Yes' (selected) and 'No'. Below this is a text input field labeled 'IP Address of Exposed Station'. At the bottom of the page, there are 'Cancel' and 'Save' buttons.

1. From the Dashboard , click **NAT Forwarding**  then click **DMZ**.

2. Select **Yes**  to **Enable IPv4 DMZ**.
3. Enter the IP address of the device you want exposed.
4. Click **Save** .

**Note:** A static IP address is required for the intended device and your gateway to ensure your device remains reachable from the internet.



## UPnP

UPnP (Universal Plug and Play) allows devices to auto discover each other without having to create networking configurations.

### Some common uses include:

- Smart speakers with digital assistants
- Home automation devices
- Security cameras and other sensors

UPnP should be enabled only when necessary and only trusted devices should be allowed to connect to the network.

1. From the Dashboard , click **NAT Forwarding**  then click **UPnP**.
2. Select **Yes**  to **Enable UPnP**.

**Note:** Additional protective measures such as anti-virus software are recommended as applicable.





Setting	Description
<b>Advertisement Period</b>	Defines the number of minutes the 5G Gateway broadcasts UPnP information.

<b>Advertisement Time to Live</b>	Defines the maximum number of hops each packet can travel before timing out.
-----------------------------------	--

## ALG

ALG (Application Layer Gateway) allows dynamic TCP/UDP ports to communicate with known ports used to support underlying protocols such as VPN, FTP and VoIP services.

If you are using applications that require these protocols, you may need to enable the below for an optimal experience.

1. From the Dashboard , click **NAT Forwarding**  then click **ALG**.
2. Enable or disable the following by sliding the switch to the **On**  or **Off**  position:
  - PPTP Passthrough
  - L2TP Passthrough
  - IPSec Passthrough
  - SSL Passthrough
  - RTSP Passthrough
  - H.323 Passthrough
  - SIP Passthrough

## Virtual Servers





Virtual servers allow incoming network traffic on a specific port to be forwarded to a designated device on your network. This is commonly used for security cameras, home automation, and other IoT devices.

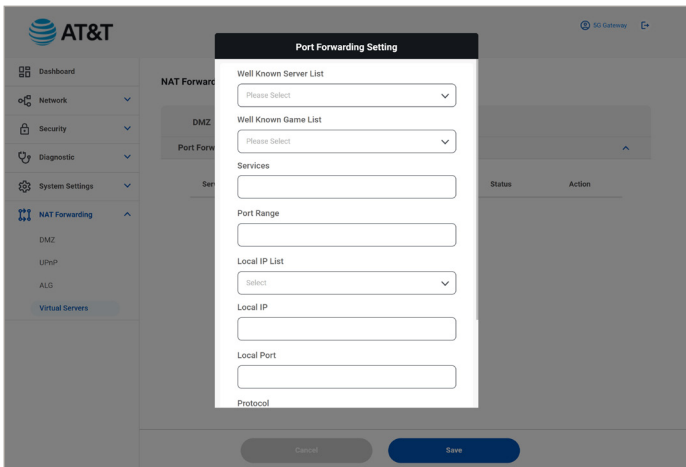
**Note:** Port forwarding is not recommended without careful consideration and additional protective measures in place.

1. From the Dashboard  , click **NAT Forwarding**  then click **Virtual Servers** to access your Port Forwarding List.

**Note:** A static IP address is required for the intended device and your gateway to ensure your device remains reachable from the internet.

## Add port forwarding rules

1. From the Dashboard  , click **NAT Forwarding**  > **Virtual Servers** > **Add Rule**  .
2. Use the drop down option provided to update your port forwarding settings.
3. Click **Add**  to save your settings.



The screenshot shows the AT&T web interface. On the left is a navigation menu with options: Dashboard, Network, Security, Diagnostic, System Settings, NAT Forwarding (expanded), DMZ, UPnP, ALG, and Virtual Servers. The main content area shows 'NAT Forwarding' and 'Port Forwarding' sections. A modal dialog titled 'Port Forwarding Setting' is open, containing the following fields:

- Well Known Server List:
- Well Known Game List:
- Services:
- Port Range:
- Local IP List:
- Local IP:
- Local Port:
- Protocol:

At the bottom of the dialog are 'Cancel' and 'Save' buttons.



## FAQs, Technical Specifications, Troubleshooting

---

The topics in this section will cover troubleshooting tips and gateway specifications.

# Common Issues

## Troubleshooting

Check below for solutions to common problems you may experience.

**Problem:** My device is unable to connect to the 5G Gateway Wi-Fi network.

**Solution:** Check to make sure Wi-Fi is enabled on your device and the Wi-Fi LED is solid green on the 5G Gateway. If the LED is red, you may need to power off and on your gateway. You may also check to see if the device is on the Blocked Devices List.

**Problem:** A web page is loading slowly or won't load at all.

**Solution:** Check the signal strength using the 4G and 5G LED indicators. When the device is not receiving a cellular signal, no LED lights will display. Connecting an external antenna or repositioning your gateway to an area with better cellular coverage may improve your experience.

**Problem:** I forgot my Wi-Fi password.

**Solution:** You can retrieve the Wi-Fi password by logging into the Web UI and navigating to the Wi-Fi settings from a connected device. You can also connect using Ethernet without a password.

**Problem:** I forgot my Web UI admin password.

**Solution:** If you haven't changed the password from the default, it can be found on the label at the bottom of the gateway. You can also complete a factory reset to reconfigure the password back to the default, see ["Reset to Default" on page 46.](#)



# Specifications

The following tables list your gateway's specifications.

## Gateway specifications

Specification	Description
Model	NCM1120D2-D323
Cellular	LTE Cat 19, 5G NSA Sub 6 GHz
Frequency Bands	LTE B2/B5/B12/B14/B29/B30/B66 5G n2/n5/n14/n30/n66/n77
Wi-Fi	2.4GHz/5GHz 802.11 a/b/g/n/ac/ax/be (Wi-Fi 7) 2x2 MIMO
Certifications	FCC, UL, Wi-Fi CERTIFIED 7, Easy Mesh
Dimensions	200mm x 96mm x 133mm
Weight	~2 lbs or 900g
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10%-90%
2.5GbE Ethernet Ports	1
1GbE Ethernet Ports	3
Power Input	100-240V, 50/60Hz, 0.8A
Power Output	DC 12.0V/2.5A



## Getting Started

---

The topics in this section will introduce you to your extender, help you get set up, provide an overview of the extender, and get you started with basic operations.

# Introduction

Thank you for purchasing your new **AT&T Internet Air™ for Business Wi-Fi Extender**.

## About the user guide

The following topics explain how best to use this guide to get the most out of your extender.

### Before using your extender

Read the Safety Information Guide that came with your device thoroughly for proper usage.

### Descriptions in the user guide

Note that most descriptions in this guide are based on your extender's setup at the time of purchase.

### Screenshots and key labels

Screenshots and other illustrations in this user guide may appear differently on your extender. Labels are simplified for illustrative purposes.

### Other notations

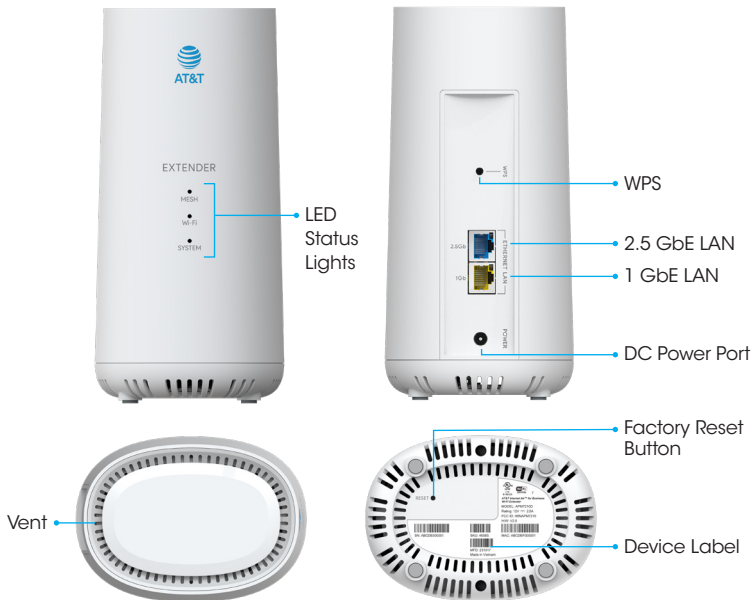
Throughout the user guide, the term "extender" may be used to reference your AT&T Wi-Fi Extender.

# Setting up your extender

The following instructions give you all the information you need to set up your AT&T Wi-Fi Extender for the first time.

## Features and functions

These topics illustrate your extender's features and key functions.



Feature	Description
<b>LED Status Lights</b>	Illuminated components indicating the status of the extender's functionality, see <a href="#"><i>"Mesh LED Status Lights" on page 62.</i></a>
<b>WPS</b>	Press the Wi-Fi Protected Setup (WPS) button to connect WPS capable devices.
<b>2.5 GbE LAN</b>	2.5 Gigabit ethernet port.
<b>1 GbE LAN</b>	1 Gigabit ethernet ports.
<b>DC Power Port</b>	Electrical connection power port.
<b>Reset Button</b>	Press to reset your extender to its factory default settings.
<b>Device Label</b>	Label containing the extender information.

**CAUTION!** Inserting an accessory into the incorrect jack may damage the extender.

## LED Status Lights

The status lights located on the front of the device indicate the status of the Wi-Fi Extender's functions.

Mesh	Wi-Fi	System
Initializing	Ready	Ready
Strong	Initializing	Initializing
Fair	WPS Discoverable	Resetting
Weak	WPS Successful	Error
Not Paired	Error	Update Available
	Off	Updating Software
		Off

- The **Mesh LED Status Lights** indicate the network signal strength and status.
- The **Wi-Fi LED Status Lights** indicate the Wi-Fi connection and WPS status.
- The **System LED Status Lights** indicate the status of the system functionality and firmware status.

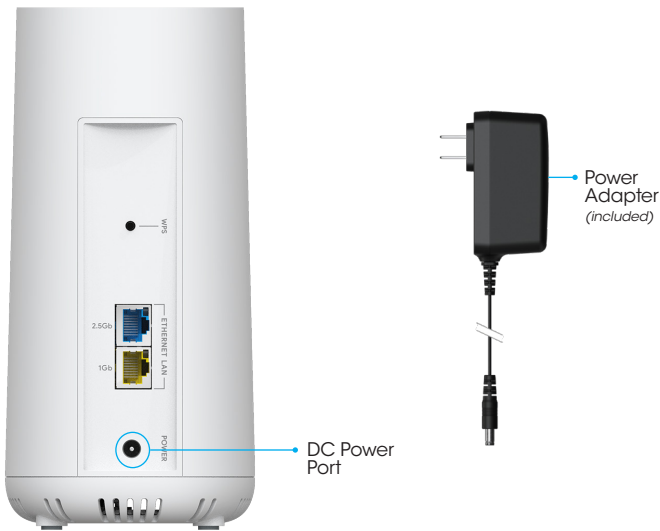
**Note:** If the Mesh LED is blue or red, you might try relocating the extender closer to the gateway or extender it's paired with to get a stronger mesh connection.

## Connecting your extender

The instructions below explain how to connect and set up your extender.

### Plug in the extender

Using the power adapter (included), plug in the extender by inserting the connector at the end of the power cable into the DC Power Port on the extender. Then, plug the power adapter into your electrical outlet.



## Powering up

Wait for the extender to power up. Once the extender is powered up, the **LED Status Lights** will turn solid. This will take approx. 2-3 minutes.

## Network signal status

Verify the extender is receiving a network signal. The **Mesh LED Status Lights** will be **solid green** when the extender is receiving a strong wireless network signal.

**Note:** The Mesh LED Status Light will not illuminate until the extender has been paired to the Wi-Fi network.

## Mesh LED Status Lights

- When the **LED Status Lights** are **blinking green**, the mesh connection is initializing.
- When the **LED Status Lights** are **solid green**, the wireless network signal is strong.
- When the **LED Status Lights** are **solid blue**, the wireless network signal is fair.
- When the **LED Status Lights** are **solid red**, there is mesh connection error detected.
- When the **LED Status Lights** are **solid gray**, the extender is not paired.

### Mesh LED Indicator Lights

((●)) Initializing

● Strong

● Fair

● Error

● Not Paired

The Mesh connection is initializing.

The extender is receiving a strong signal.

The extender is receiving a fair signal.

There is a Mesh connection error.

The extender is not connected.

**Note:** For additional help, please visit [att.com/5G-Gateway](http://att.com/5G-Gateway).



## Adding an extender to the network

You can connect your extender to the gateway's Wi-Fi or Ethernet.

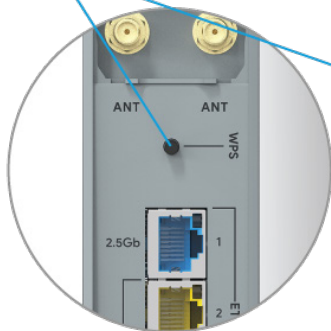
### Pair wirelessly using WPS

1. Ensure both your 5G Gateway and Extender are powered on, and your 5G Gateway is connected to the AT&T cellular network.
2. For the best experience, place the extender within three feet of the gateway during setup.
3. Press the WPS button on the back of the 5G Gateway. The Wi-Fi LED light will flash blue to indicate the device is discoverable.
4. Press the WPS button on the back of the Wi-Fi extender. The Wi-Fi LED light on the Extender will also flash blue.
5. When the WPS connection is established, the Wi-Fi LED light on both the Extender and 5G Gateway will change to solid blue.
6. The Mesh LED on the Extender will start to flash green while a Mesh connection is being established.
7. The Mesh LED will illuminate solid green when a Mesh connection is established.

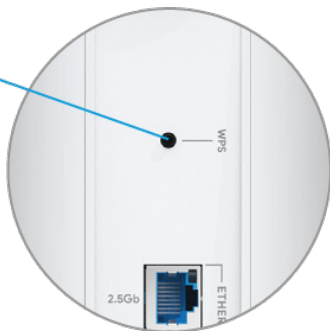
**Note:** Any available software updates will download and install immediately as indicated by a flashing blue System LED, see ["Mesh LED Status Lights" on page 62](#). The extender will reboot once this process is complete.

8. You can now unplug the Extender and move it to the desired location.

WPS



**5G Gateway**



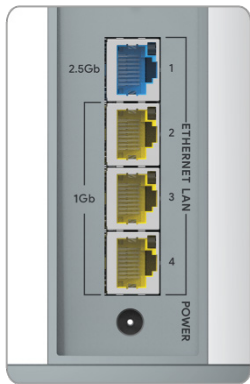
**Extender**

**Note:** Connection with AT&T Internet Air™ for Business 5G Gateway required (gateway and internet service sold separately).

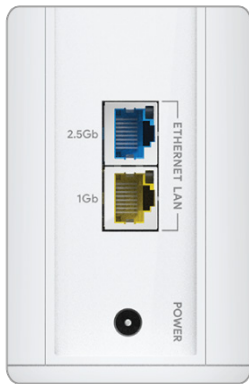
## Pair using Ethernet

1. Connect one end of an Ethernet cable in the main gateway port of your choice.
2. Connect the other end to the Ethernet port of your choice on your extender.
3. The Mesh LED will illuminate solid green when a Mesh connection is established.
4. The extender can seamlessly transition to a wireless connection if the Ethernet cable is removed.

**Note:** Any available software updates will download and install immediately as indicated by a flashing blue System LED. See [“LED Status Lights” on page 61](#). The extender will reboot once this process is complete.



**5G Gateway**

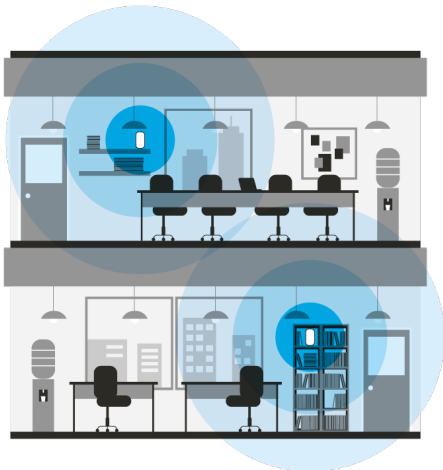


**Extender**

## Wi-Fi extender placement and proximity

The extender should be placed within wireless range of the 5G gateway, no more than 30 feet away.

The design and structure of your environment may impact performance. For best results, position the extender closer so the Mesh LED illuminates green.



Extenders can connect to your gateway directly or chain together to seamlessly expand your network reach.

**Note:** No more than three extenders are recommended for optimal performance.

## Connecting your devices

Connecting your devices to the extender's Wi-Fi or Ethernet ports. See [\*"Connecting your devices" on page 13.\*](#)

### Network name & password

The extender will share the same network name and password as the 5G gateway it's paired with.

### Web UI Settings

You can configure additional settings from the Web UI of your 5G gateway.



## Basic operations




---

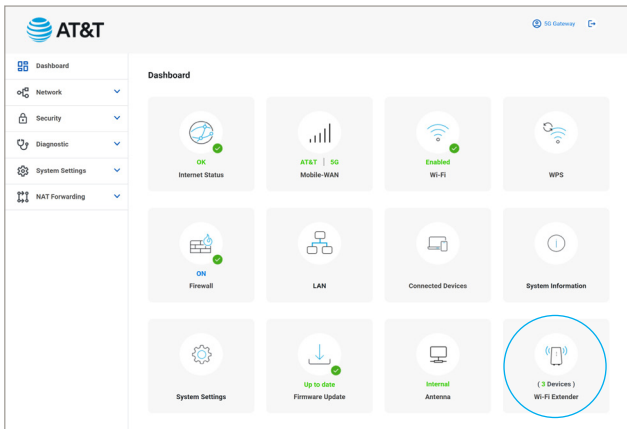
The following topics outline basic features and operations of your extender.

# Wi-Fi Extenders Dashboard

The Web UI (Web User Interface) allows you to configure the Wi-Fi Extender settings, and see status from the user-friendly dashboard.

## Accessing your dashboard

1. With your connected device, use your preferred web browser to access the Web UI, see ["Web User Interface" on page 16](#).
2. Enter your username and password, then click **Login**, see ["Admin \(Password\)" on page 44](#).
3. From the **Dashboard** , click the **Wi-Fi Extender icon** , or click **Network**  > **Wi-Fi Extender**. Here you can view and configure your connected extenders.

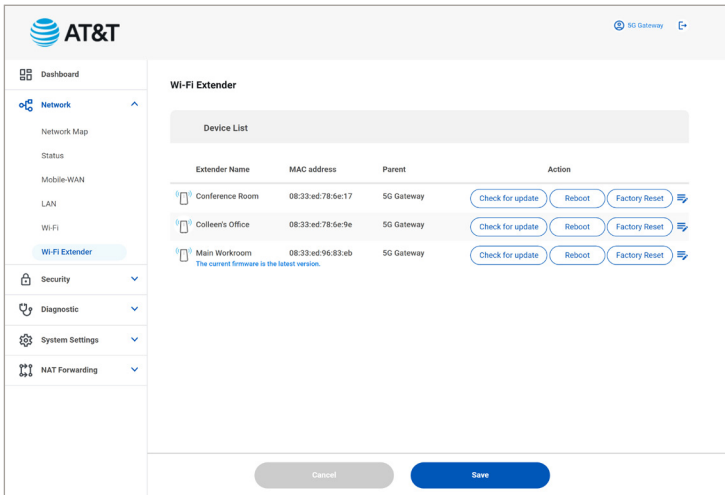


The screenshot displays the AT&T Web UI dashboard. On the left is a navigation menu with options: Dashboard, Network, Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled "Dashboard" and contains a grid of status tiles. The tiles are: Internet Status (OK), AT&T | 5G Mobile-WAN, Enabled Wi-Fi, WPS, Firewall (OK), LAN, Connected Devices, System Information, System Settings, Firmware Update (Up to date), Internal Antenna, and a circled Wi-Fi Extender tile showing 3 devices connected.

# Extender Details

The Wi-Fi Extender Device List allows you to visualize how the extenders are connected back to the 5G Gateway.

Here you can view the Extender Name, MAC address, and Parent device.






The screenshot shows the AT&T network management interface. On the left is a navigation menu with options: Dashboard, Network (selected), Network Map, Status, Mobile-WAN, LAN, Wi-Fi, Wi-Fi Extender (highlighted), Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled "Wi-Fi Extender" and contains a "Device List" table. The table has four columns: Extender Name, MAC address, Parent, and Action. It lists three extenders: "Conference Room", "Colleen's Office", and "Main Workroom". Each row includes buttons for "Check for update", "Reboot", and "Factory Reset". The "Main Workroom" row has a note: "The current firmware is the latest version." At the bottom of the page are "Cancel" and "Save" buttons.

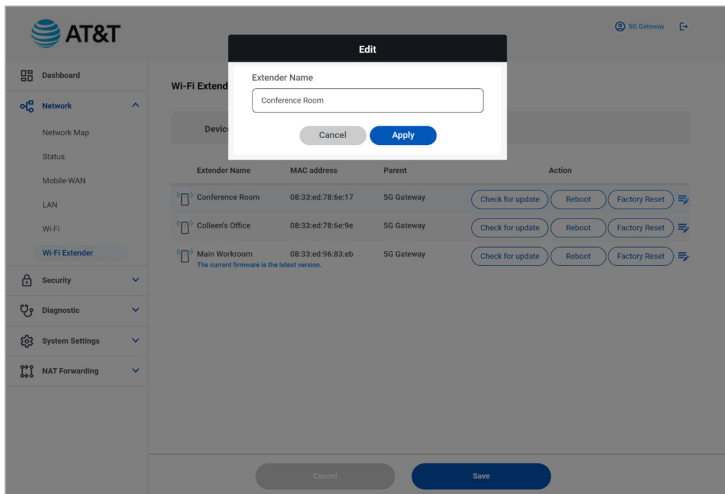
Extender Name	MAC address	Parent	Action
Conference Room	08:33:ed:78:6e:17	5G Gateway	Check for update Reboot Factory Reset
Colleen's Office	08:33:ed:78:6e:9e	5G Gateway	Check for update Reboot Factory Reset
Main Workroom	08:33:ed:96:83:eb <small>The current firmware is the latest version.</small>	5G Gateway	Check for update Reboot Factory Reset



# Actions

## Rename Extender

1. Click **Edit** , type the desired name of your extender and click **Apply** .
2. Click **Save** .



The screenshot displays the AT&T network management interface. A modal dialog titled "Edit" is open, allowing the user to change the name of a Wi-Fi Extender. The dialog contains a text input field with "Conference Room" entered and two buttons: "Cancel" and "Apply".

The background interface shows a sidebar with navigation options: Dashboard, Network, Network Map, Status, Mobile-WAN, LAN, Wi-Fi, Wi-Fi Extender (selected), Security, Diagnostic, System Settings, and NAT Forwarding. The main content area displays a table of Wi-Fi Extenders.

Extender Name	MAC address	Parent	Action
Conference Room	08:33:ed:78:6e:17	5G Gateway	Check for update Reboot Factory Reset
Colleen's Office	08:33:ed:78:6e:9e	5G Gateway	Check for update Reboot Factory Reset
Main Workroom	08:33:ed:96:83:eb	5G Gateway	Check for update Reboot Factory Reset

Below the table, there are "Cancel" and "Save" buttons.

## Check for update

1. Click **Check for update** Check for update to generate a result status.
  - a. When the firmware is up to date the status will read, **“The current firmware is the latest version.”**
  - b. When the firmware needs to be updated the button will change to **“Update available”**.
2. Click **“Update available”**. A progress bar will appear, and the System LED Light will flash blue during the installation process.
3. Your extender will power cycle upon successful completion.

## Reboot

1. Click **Reboot** Reboot.
2. An alert box will appear, click **Yes** to continue, or **Cancel** to cancel the reboot.

The screenshot displays the AT&T Wi-Fi Extender management web interface. On the left is a navigation sidebar with options like Dashboard, Network, Mobile-WiFi, LAN, Wi-Fi, Security, Diagnostics, System Settings, and NAT Forwarding. The main content area is titled 'Wi-Fi Extender' and contains a 'Device List' table. The table has columns for Extender Name, MAC address, Parent, and Action. Three devices are listed: 'Conference Room', 'Collector's Office', and 'Main Workroom'. Each device row has buttons for 'Check for update', 'Reboot', and 'Factory Reset'. A modal dialog box titled 'Reboot' is overlaid on the interface, containing the text: 'Rebooting the extender may temporarily interrupt connectivity for some users. Would you like to continue?' and two buttons: 'Cancel' and 'Yes'.

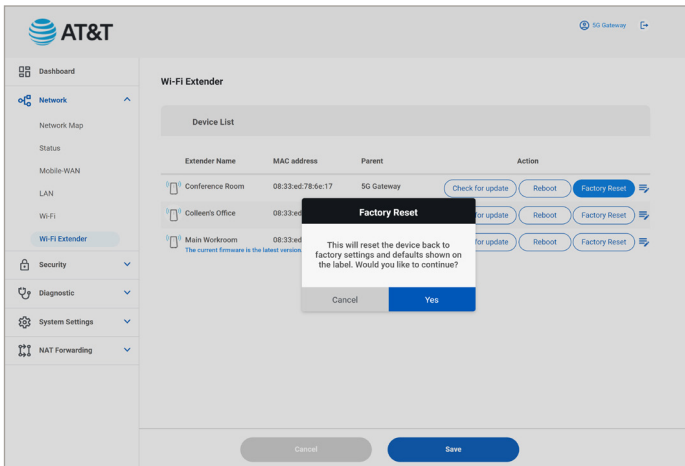
Extender Name	MAC address	Parent	Action
Conference Room	08:23:ad:79:5e:17	5G Gateway	Check for update Reboot Factory Reset
Collector's Office	08:23:ad:79:5e:17	5G Gateway	Check for update Reboot Factory Reset
Main Workroom	08:23:ad:79:5e:17	5G Gateway	Check for update Reboot Factory Reset

## Factory Reset

Reset your extender to original factory settings.

**Warning:** Performing a factory reset will restore the extender to original factory settings and unpair it from your 5G Gateway.

1. Click **Factory reset** Factory reset .
2. An alert box will appear, click **Yes** to continue, or **Cancel** to cancel the factory reset.



The screenshot shows the AT&T 5G Gateway management interface. On the left is a navigation menu with options: Dashboard, Network, Network Map, Status, Mobile WAN, LAN, Wi-Fi, Wi-Fi Extender (selected), Security, Diagnostic, System Settings, and NAT Forwarding. The main content area is titled 'Wi-Fi Extender' and contains a 'Device List' table. The table has columns for Extender Name, MAC address, Parent, and Action. Three devices are listed: 'Conference Room', 'Collen's Office', and 'Main Workroom'. Each device has buttons for 'Check for update', 'Reboot', and 'Factory Reset'. A modal dialog box titled 'Factory Reset' is overlaid on the table, containing the text: 'This will reset the device back to factory settings and defaults shown on the label. Would you like to continue?' and two buttons: 'Cancel' and 'Yes'.

Extender Name	MAC address	Parent	Action
Conference Room	08:33:ed:78:6a:17	5G Gateway	Check for update Reboot Factory Reset
Collen's Office	08:33:ed:78:6a:17	5G Gateway	Check for update Reboot Factory Reset
Main Workroom	08:33:ed:78:6a:17	5G Gateway	Check for update Reboot Factory Reset



## FAQs, Technical Specifications, Troubleshooting

---

The topics in this section will cover troubleshooting tips and extender specifications.

# Common Issues

## Troubleshooting

Check below for solutions to common problems you may experience.

**Problem:** I'm unable to add an extender to the network.

**Solution:** Before pairing your extender, be sure to allow both the gateway and extender to fully power on and the LEDs to turn solid. You can also try pairing using the wired method with Ethernet. See ["Pair using Ethernet" on page 65](#). The extender can be disconnected from Ethernet once setup is complete.

If the extender has been paired to another gateway before, you may need to factory reset your extender before attempting to pair.

**Problem:** My extender isn't connected to my network.

**Solution:** Your extender can connect back to the gateway over Wi-Fi or using Ethernet. You may try moving the extender closer if it's too far from the gateway or if there is interference, or you may opt to connect the extender using Ethernet.

**Problem:** I changed my Wi-Fi network name and my extender hasn't updated.

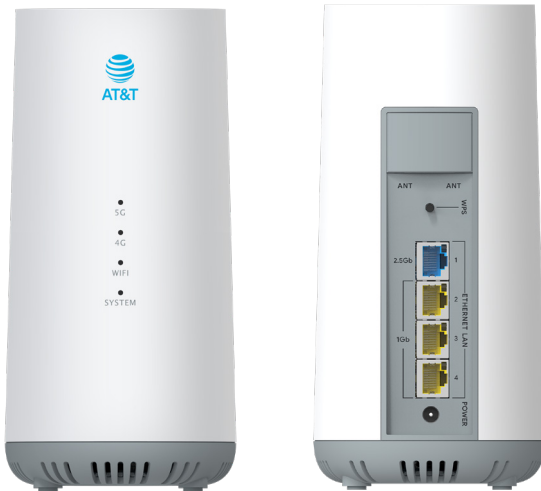
**Solution:** Updates to your network can take a few minutes to reflect on the extender. You can try rebooting the extender manually by unplugging and plugging it back into power to resynchronize the extender with your Wi-Fi network.

## Specifications

The following tables list your extender's specifications.

### Wi-Fi Extender specifications

Specification	Description
<b>Model</b>	APM7210D
<b>Wi-Fi</b>	2.4GHz/5GHz 802.11 a/b/g/n/ac/ax/be (Wi-Fi 7) 2x2 MIMO
<b>Certifications</b>	FCC, UL, Wi-Fi CERTIFIED 7, Easy Mesh
<b>Dimensions</b>	200mm x 96mm x 133mm
<b>Weight</b>	~2 lbs or 900g
<b>Operating Temperature</b>	0°C to 45°C (32°F to 113°F)
<b>Storage Temperature</b>	-20°C to 70°C (-4°F to 158°F)
<b>Humidity</b>	10%-90%
<b>2.5GbE Ethernet Ports</b>	1
<b>1GbE Ethernet Ports</b>	1
<b>Power Input</b>	100-240V, 50/60Hz, 0.8A
<b>Power Output</b>	DC 12.0V/2.5A



## Regulatory and Warranty

---

The topics in this section will detail important regulatory and warranty information.

## Disposal and Recycling

Do not dispose of the gateway in a household garbage bin. This product must be taken to specific collection places or sites. You can learn more about how to recycle your device by visiting the CTIA website at

[www.ctia.org/news/how-to-recycle-your-mobile-device](http://www.ctia.org/news/how-to-recycle-your-mobile-device).





# Regulatory agency identifications

## FCC Regulations

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Operations in the 5.15-5.25GHz band are restricted to indoor usage only.

## RF Exposure Information

This equipment must be installed and operated with a minimum distance of 25 centimeters between the radiator and any nearby person.

### FCC Responsible Party:

ASKEY COMPUTER CORP.

10F, No.119, Jiankang Rd.

Zhonghe District

New Taipei City 23585, Taiwan, R.O.C.

+886-2-2228-7588

5G Gateway FCCID: **H8NNCM1120**

Extender FCCID: **H8NAPM7210**

# Warranty

## Warranty duration:

The product may consist of several parts, which may have separate warranty periods, to the extent permitted by local laws. The “Warranty Period” (as defined in the table below) takes effect on the date of purchase of the product (as indicated on the proof of purchase) or date of product delivery and activation (if required), whichever is later.

### 1. Warranty period (see below)

AT&T Warranty	12 Months / 1 Year
---------------	--------------------

### 2. Warranty period for repaired or replaced parts:

Subject to special provisions of local laws in force, the repair or replacement of a product does not, under any circumstances whatsoever, extend the original warranty period of the product concerned. However, the repaired or replaced parts are guaranteed in the same manner and for the same defect for a period of ninety days after delivery of the repaired product, even if their initial warranty period has expired. Proof of purchase required.

## Implementation of the Warranty

If your product is faulty under normal conditions of use and maintenance, in order to benefit from the present warranty, please contact the Returns Center at **1(800) 801-1101** for assistance. The customer support center will then provide you with instructions on how to return the product for support under warranty. For more information, please visit [att.com/warranty](http://att.com/warranty).

## Warranty exclusions

Manufacturer guarantees its products against material, design and

manufacturing defects. The Warranty does not apply in the following cases:

1. Normal wear and tear of the product requiring periodic repair and replacement.
2. Defects and damages due to negligence, to the product being used other than in a normal and customary manner, to the non-compliance with the recommendations of this User Manual, to an accident, regardless of the cause. Instructions for use and maintenance of the product can be found in your product's User Manual.
3. The opening, unauthorized disassembly, modification being carried out or repair of the product by the end user or by persons or by service providers not approved by Manufacturer and/or with spare parts not approved by Manufacturer.
4. Use of the product with accessories, peripherals and other products whose type, condition and/or standards do not meet Manufacturer's standards
5. Defects associated with the use or connection of the product to equipment or software not approved by Manufacturer. Some defects may be caused by viruses due to unauthorized access by yourself or by a third party service, computer systems, other accounts or networks. This unauthorized access may take place through hacking, misappropriation of passwords or various other means.
6. Defects and damage due to the exposure of the product to humidity, extreme temperatures, corrosion, oxidation, or to any spillage of food or liquids, chemicals and generally any substance likely to alter the product.
7. Any failure of embedded services and applications that have not been developed by Manufacturer and whose functioning is the exclusive responsibility of their designers.

8. Installation and use of the product in a manner that does not comply with the technical or security standards of regulations in force in the country where it's installed or used.
9. Modification, alteration, degradation or illegibility of the serial number of the product.
10. Absence of proof of purchase.

**Upon expiration of the warranty period or upon an exclusion of warranty,**

**Manufacturer may, at its discretion, provide a quote for the repair and offer to provide support for the product, at your cost.**

The Manufacturer contact and after-sales service details are subject to change. These Warranty terms may vary substantially according to your country of residence.

## **Licenses**

The Wi-Fi Logo is a certification mark of the Wi-Fi Alliance.

## **Copyright information**

©2024 AT&T INTELLECTUAL PROPERTY. ALL RIGHTS RESERVED.

AT&T, the Globe and other marks are trademarks of AT&T Intellectual Property. All other product or service names are the property of their respective owners.