



PEAKE PRIVATE WIRELESS KIT

Quick Start Guide

PEAKE PRIVATE WIRELESS KIT

Table of Contents

Components	3
Power Connection.....	4
Internet Connection (Optional)	4
Radio Connection	4
Mounting / Antenna Orientation	5,6
Verify Edge and Base Station Connectivity	7,8
eSIM Activation	9-12
Set Private Network as Primary.....	13
Verify Network Connectivity & Speed Testing.....	14
Adding Users to Pente Hypercore Portal.....	15

Should you encounter issues or wish to schedule a more in-depth session, please contact the PEAKE Support Team:

- **Email:** support@peake.com
- **Phone:** 800-719-4603



PEAKE PRIVATE WIRELESS KIT

Components



Pente Hypercore Kit



Mosolabs 4G LTE Outdoor Canopy Radio



BlueSky Mast Mount

Important Note:

The kit is designed to be used while **fully closed and connected**.



PEAKE PRIVATE WIRELESS KIT

Power Connection

Connect the power cable from the right side of the case to an AC power outlet.



Power connection on rear of case

Internet Connection (Optional)

Connect the Starlink Mini ethernet cable (or any internet WAN source) to the internet port on the left side of the case.



Internet and Radio Ethernet ports

Radio Connection

Connect an Ethernet cable into the left side of the case labeled "Radio" and plug it into the port on the radio labeled "POE+".



POE+ connection to radio

PEAKE PRIVATE WIRELESS KIT

Mounting / Antenna Orientation

Use the guidance below for both temporary (mobile) and permanent mounting to maximize coverage and ensure reliable operation.

Note: The kit is designed to be used while **fully closed and connected**.

Temporary / Mobile Deployment

For temporary or mobile deployments, mount the radio on a stable tripod or portable mast.

- Ensure the mast is vertical and stable.
- Secure all mounting hardware tightly.
- Use weighted bases or supports to prevent tipping.



Radio mounted to tripod using mounting bracket.

Permanent / Semi-Permanent Deployment

For permanent installations, mount the radio to a fixed pole or structure using approved hardware.

- Mount the radio as high as practical for maximum coverage.
- Maintain clear line-of-sight to the coverage area when possible.
- Avoid obstructions such as walls, vehicles, or dense foliage.
- Ensure all feet making flat contact with the ground and the locking bar is engaged.



Example of permanent outdoor mounting with elevated radio and 30 downward degree tilt.



Image of locking bar engaged.

PEAKE PRIVATE WIRELESS KIT

Mounting / Antenna Orientation

Note: The kit is designed to be used while **fully closed and connected**.

Example of complete setup utilizing Starlink Mini powered by a StarBatt for power:



Antenna Orientation Guidelines

- Antennas should be oriented vertically with a **30 degree downward tilt** unless otherwise specified.
- Do not mount the radio upside-down or sideways.
- Ensure adequate airflow around the radio enclosure.

PEAKE PRIVATE WIRELESS KIT

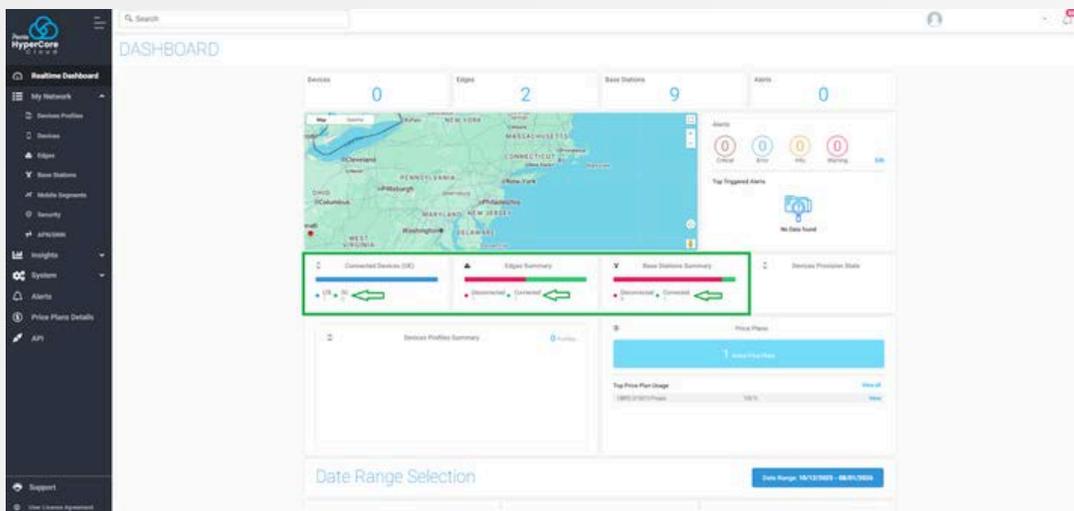
Verify Edge and Base Station Connectivity

Step 1: Navigate to <https://hypercore.pentennetworks.com/#/login> and authenticate using the credentials issued by Peake Support.



Image of login screen.

Step 2: Navigate to Realtime Dashboard located on the left panel and verify that the Edge and Base Station is connected.

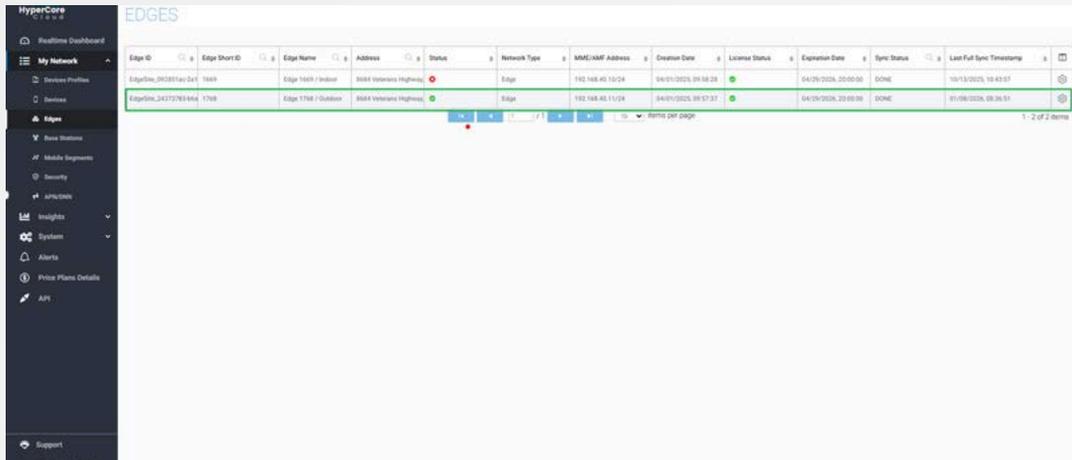


Dashboard with online Edge and Base Station highlighted with a green box.

PEAKE PRIVATE WIRELESS KIT

Verify Edge and Base Station Connectivity

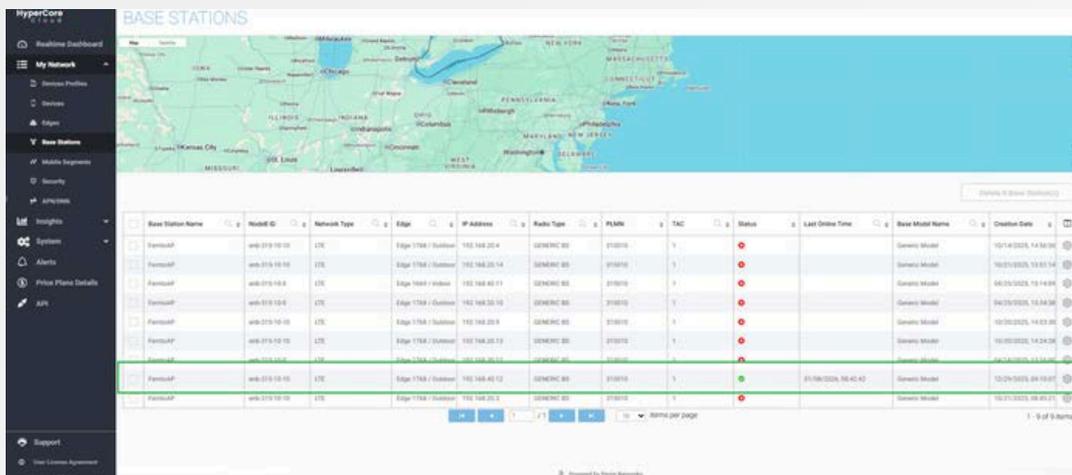
Step 3: Click the Network tab drop down on the left panel and navigate to “Edges” and verify that the status of is green.



Edge ID	Edge Short ID	Edge Name	Address	Status	Network Type	MM/ANF Address	Creation Date	License Status	Expiration Date	Sync Status	Last Full Sync Timestamp
EdgeIDm_20221110-241	1769	Edge 1769 / Indoor	868 Veterans Highway	🟢	Edge	192.168.45.1124	04/01/2024, 09:58:28	🟢	04/29/2024, 20:00:00	DONE	10/13/2023, 10:43:57
EdgeIDm_2427261864	1768	Edge 1768 / Outdoor	868 Veterans Highway	🟢	Edge	192.168.45.1124	04/01/2024, 09:57:37	🟢	04/29/2024, 20:00:00	DONE	01/08/2024, 08:36:51

Edge devices online highlighted with a green box.

Step 4: Click the Network tab drop down on the left panel and navigate to “Base Stations” and verify that the status of the base station radio is green.



Base Station Name	Module ID	Network Type	Edge	IP Address	Radio Type	PLMN	TAC	Status	Last Online Time	Base Model Name	Creation Date
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.20.4	GENERIC 80	310010	1	🔴		Generic Model	10/14/2023, 14:36:36
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.20.14	GENERIC 80	310010	1	🔴		Generic Model	10/11/2023, 13:51:54
FemtoAP	496-019-10-00	LTE	Edge 1669 / Indoor	192.168.40.01	GENERIC 80	310010	1	🔴		Generic Model	04/29/2024, 13:44:06
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.35.10	GENERIC 80	310010	1	🔴		Generic Model	04/29/2024, 13:44:06
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.20.13	GENERIC 80	310010	1	🔴		Generic Model	10/20/2023, 14:24:26
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.20.13	GENERIC 80	310010	1	🔴		Generic Model	10/20/2023, 14:24:26
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.20.11	GENERIC 80	310010	1	🔴		Generic Model	04/29/2024, 13:44:06
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.45.12	GENERIC 80	310010	1	🟢	01/08/2024, 08:40:42	Generic Model	10/29/2023, 04:10:07
FemtoAP	496-019-10-00	LTE	Edge 1768 / Outdoor	192.168.20.3	GENERIC 80	310010	1	🔴		Generic Model	10/11/2023, 10:40:17

Base station radio online.

PEAKE PRIVATE WIRELESS KIT

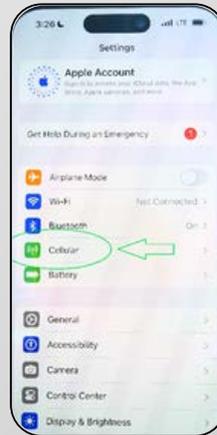
eSIM Activation

iPhone Setup

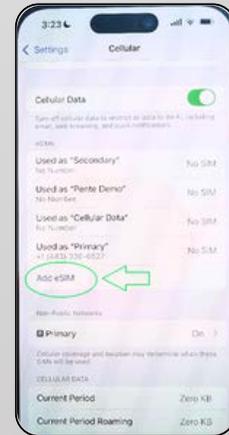
Step 1: On your mobile device, navigate to Settings → Cellular.

Step 2: Select Add eSIM.

Step 3: Open the camera app and scan the provided QR code.



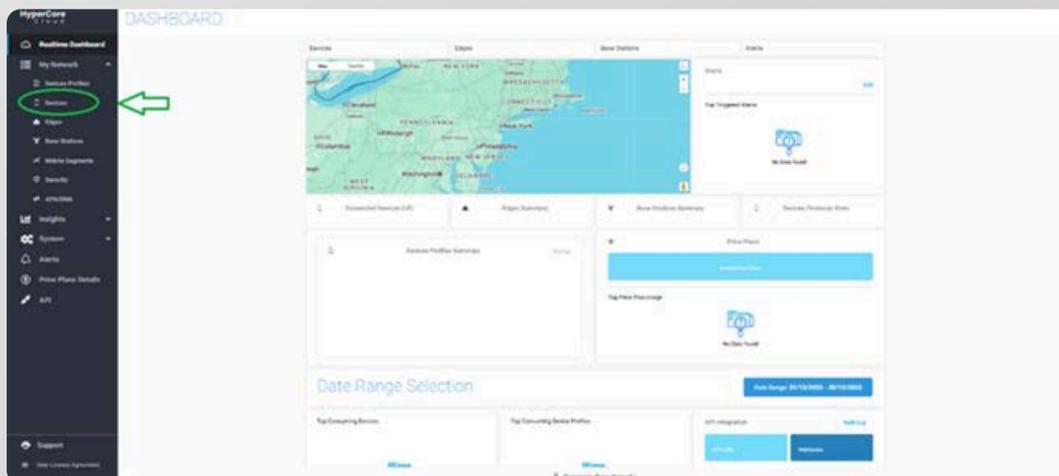
Step 1: Settings → Cellular



Step 2: Add eSIM

Step 4: On a laptop or secondary device, navigate to <https://hypercore.pentennetworks.com/#/login>

Step 5: From the sidebar, select Devices under “My Network”.



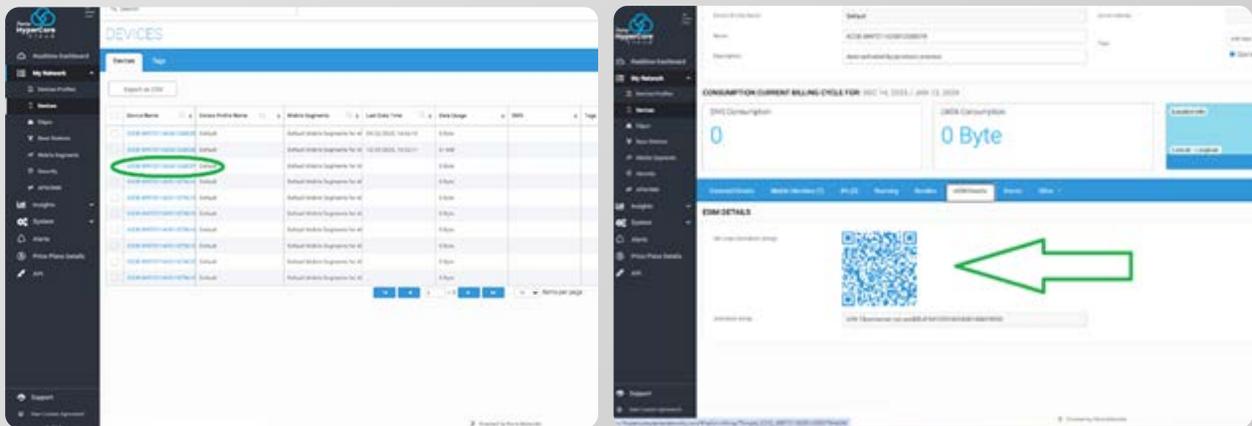
Step 5: Hypercore portal (Devices) circled in green.

PEAKE PRIVATE WIRELESS KIT

eSIM Activation

Step 6: Select your eSIM device (ensure it is not currently in use).

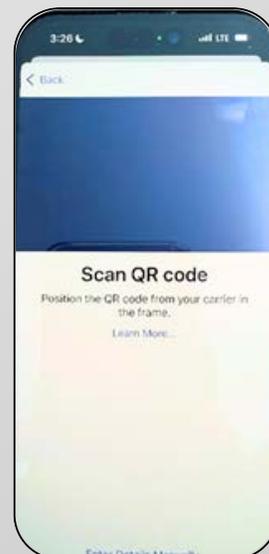
Step 7: Click eSIM Details to display the QR code.



Step 7: Select eSIM Details and display QR code.

Step 8: Return to your mobile device and scan the QR code.

Step 9: Tap Done once activation is complete.



Step 8: Scan QR code.

PEAKE PRIVATE WIRELESS KIT

eSIM Activation

Samsung Setup

Step 1: IMPORTANT Connect to Starlink Wifi or any internet wifi source before moving on.

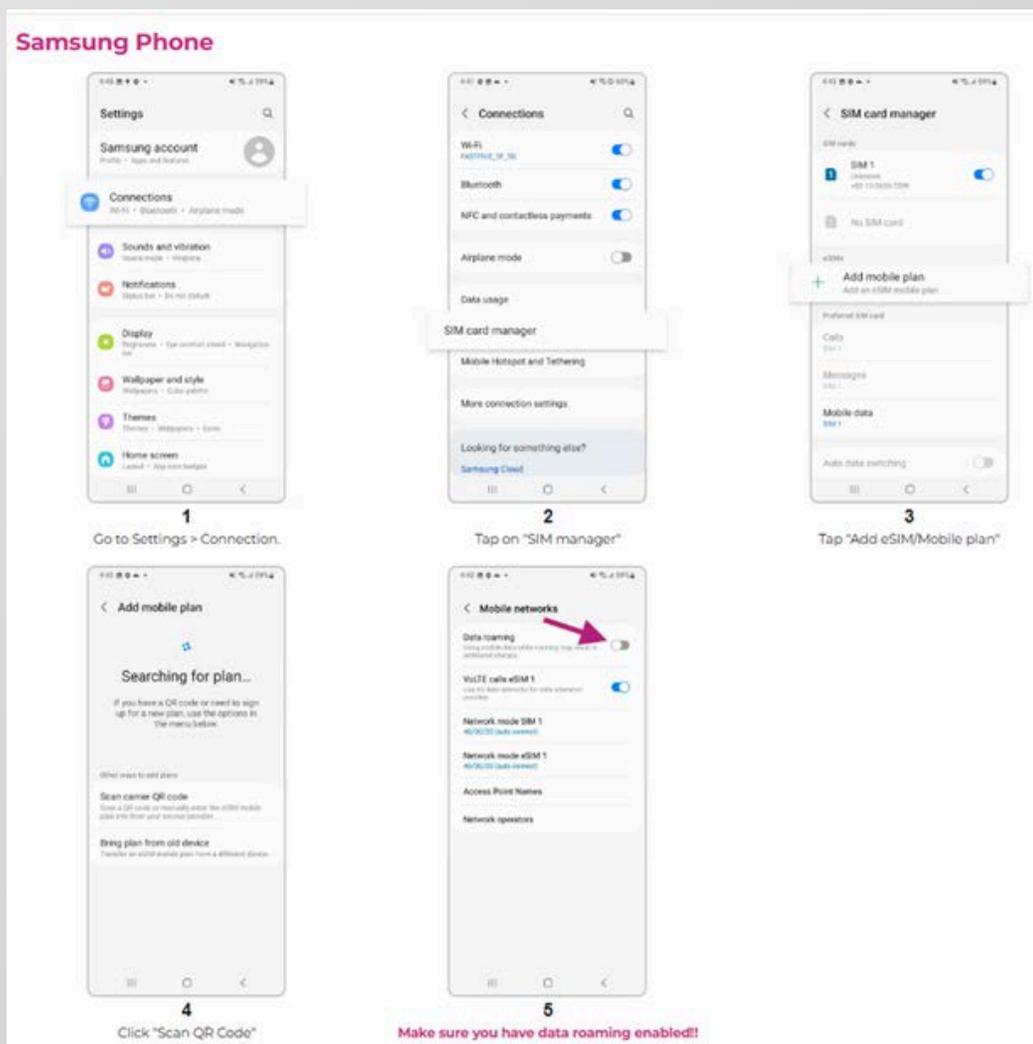
Step 2: Go to settings > Connection.

Step 3: Tap on "SIM manager".

Step 4: Tap "Add eSIM/Mobile plan".

Step 5: Click "Scan QR Code".

Step 6: Make sure you have data roaming enabled.



PEAKE PRIVATE WIRELESS KIT

eSIM Activation

Google Pixel

Step 1: IMPORTANT Connect to Starlink Wifi or any internet wifi source before moving on.

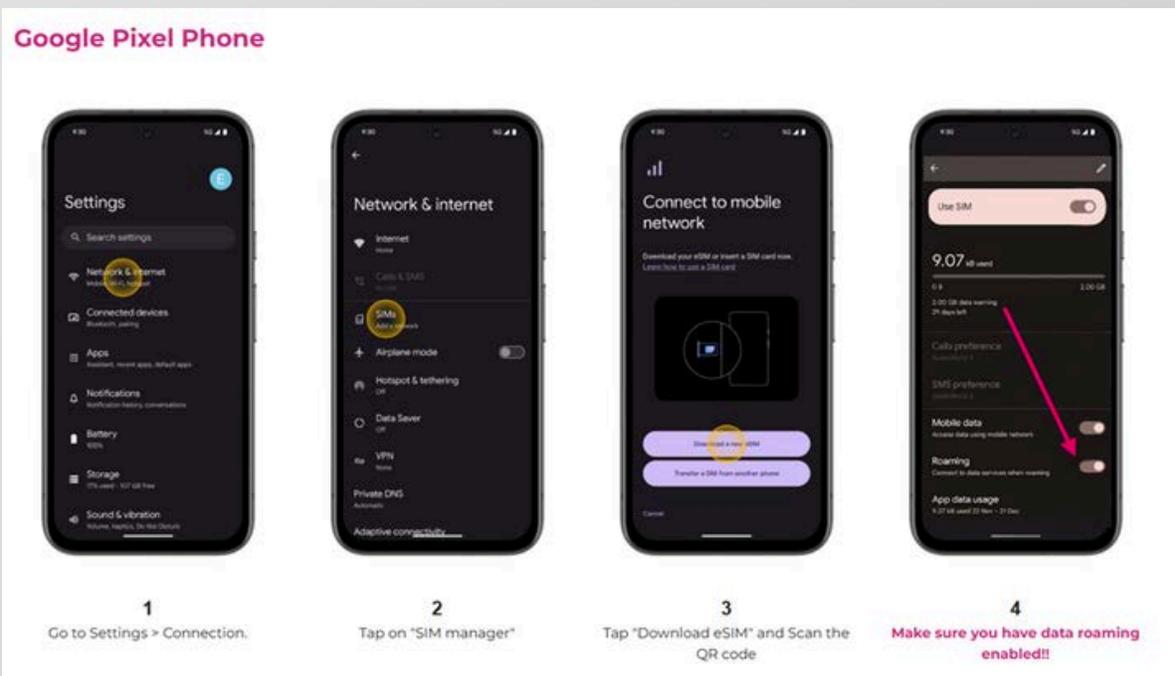
Step 2: Go to settings > Connections.

Step 3: Tap on "SIM manager".

Step 4: 4. Tap "Download eSIM"

Step 5: Scan the QR code.

Step 6: Make sure you have data roaming enabled.

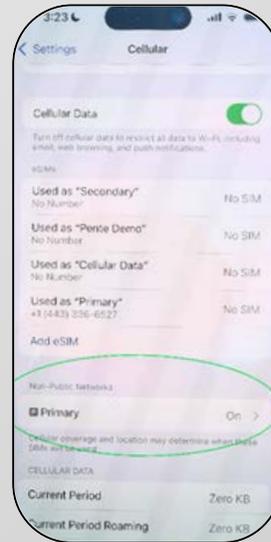


PEAKE PRIVATE WIRELESS KIT

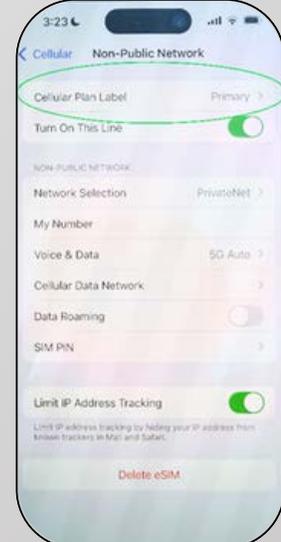
Set Private Network as Primary

Navigate back to Settings → Cellular and ensure the Private Cellular Network is set as Primary.

If not, select it as Primary.



Select Primary private cellular network



Confirm cellular plan label

Switching back to Primary eSim

To switch back to Primary eSim, tap the eSim that is associated with your number.

Deleting an eSim

iPhone

1. Go to Settings.
2. Tap Cellular, Then:
3. Tap the plan you want to erase. Then tap Delete Plan.

Android

1. Open Settings > Connections.ss
2. Tap "SIM card manager".
3. Turn off the eSIM and then tape "Remove".

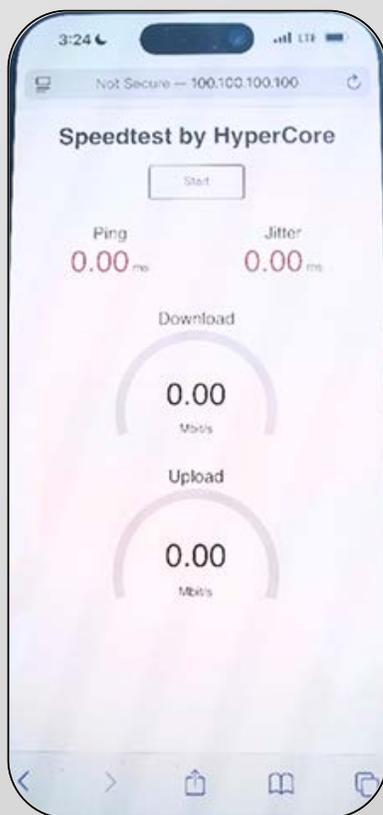
PEAKE PRIVATE WIRELESS KIT

Verify Network Connectivity & Speed Testing

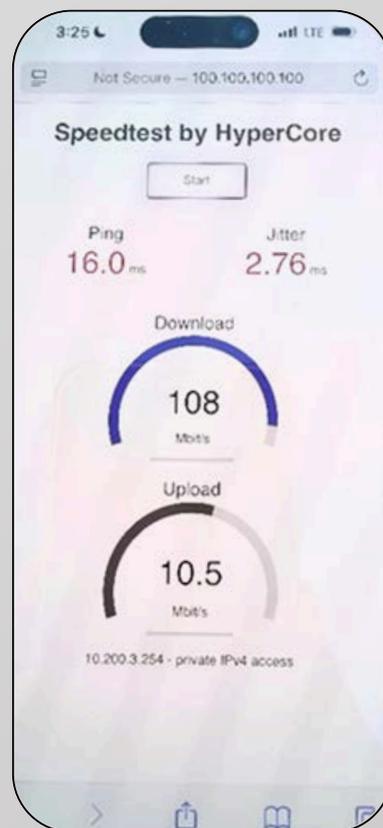
Open a web browser and navigate to <https://100.100.100.100>.

Note: If the page loads successfully, you are connected to the private cellular network.

Click Start to conduct the speed test.



Speed test
initial state

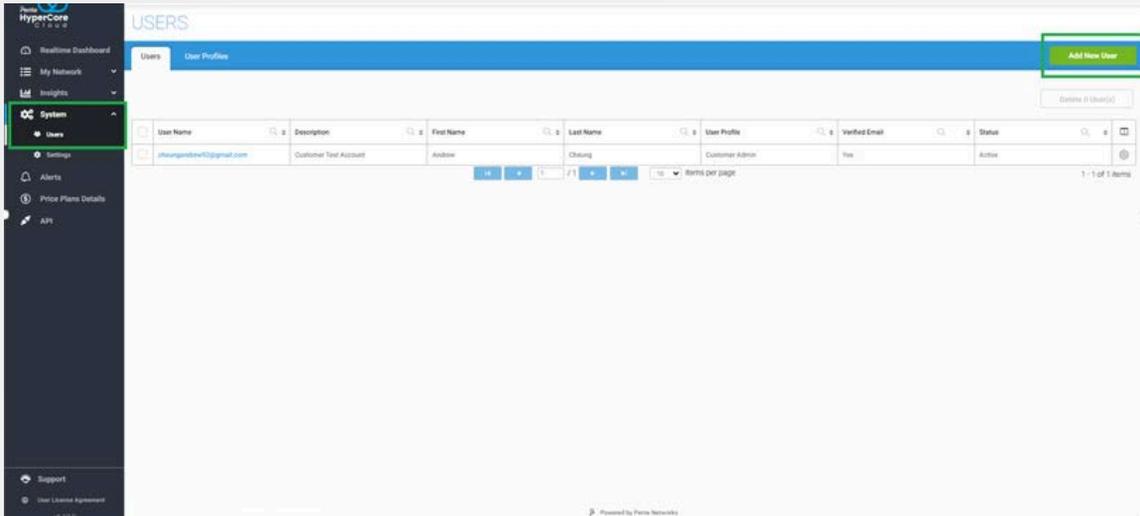


Successful
speed test result

PEAKE PRIVATE WIRELESS KIT

Adding Users To Pente Hypercore Portal

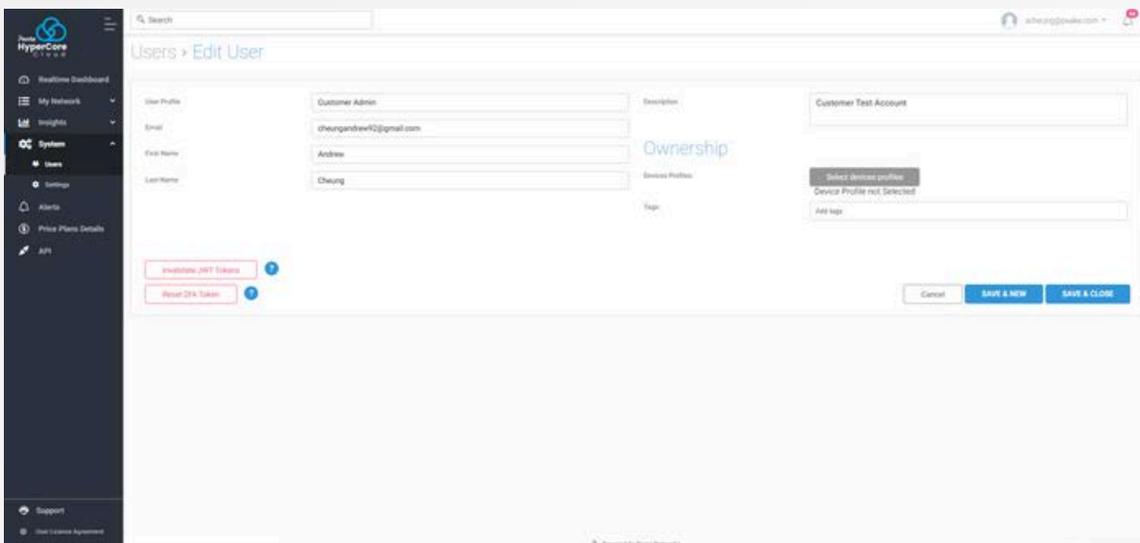
Step 1: Click the System drop down on the left side panel and click "Users".



User page with instructions highlighted in green box.

Step 2: Click the "User Profile" drop down and select "Customer Admin".

Step 3: Enter the new user's First Name, Last Name, and Email. Click "Save and Close" when done.



Successful adding of new user.