



PEAKE PRIVATE WIRELESS KIT

Quick Start Guide

PEAKE PRIVATE WIRELESS KIT

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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

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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.

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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.

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Verify Edge and Base Station Connectivity

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

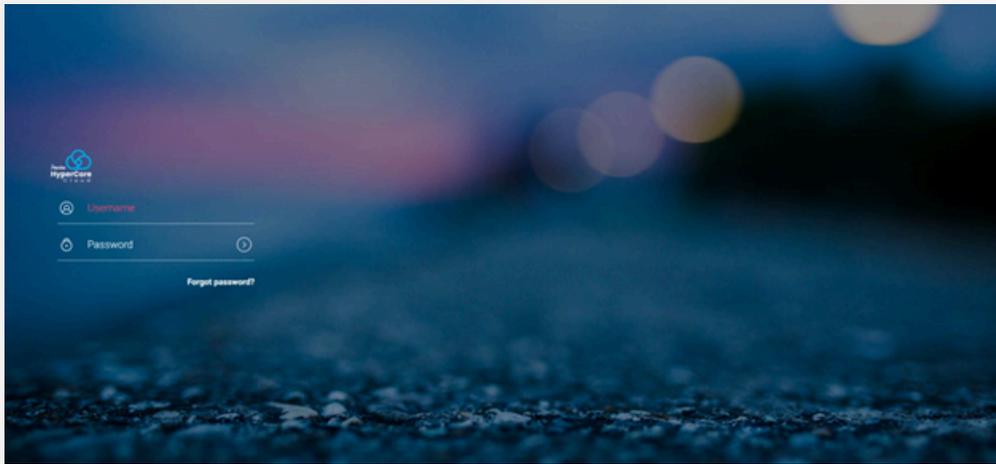
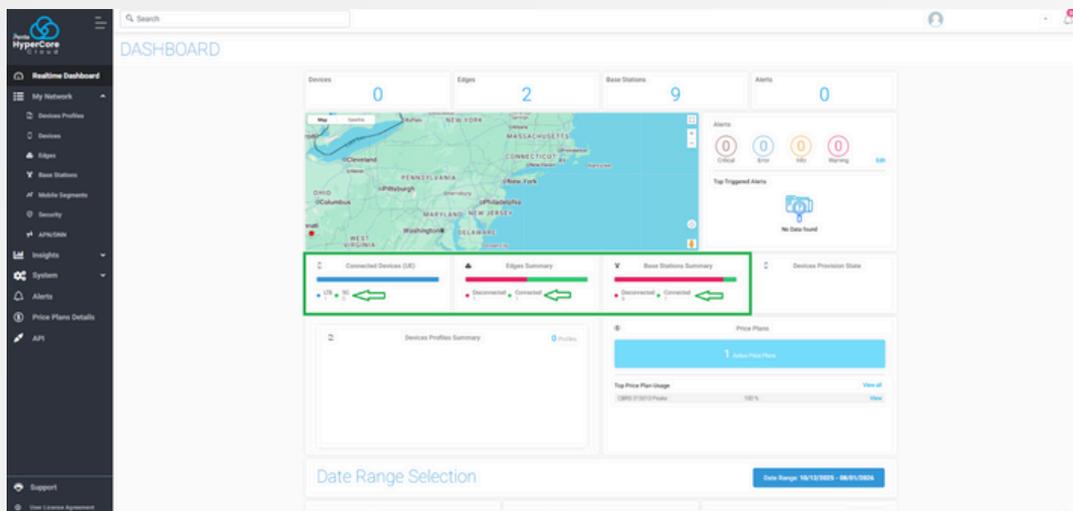


Image of login screen.

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

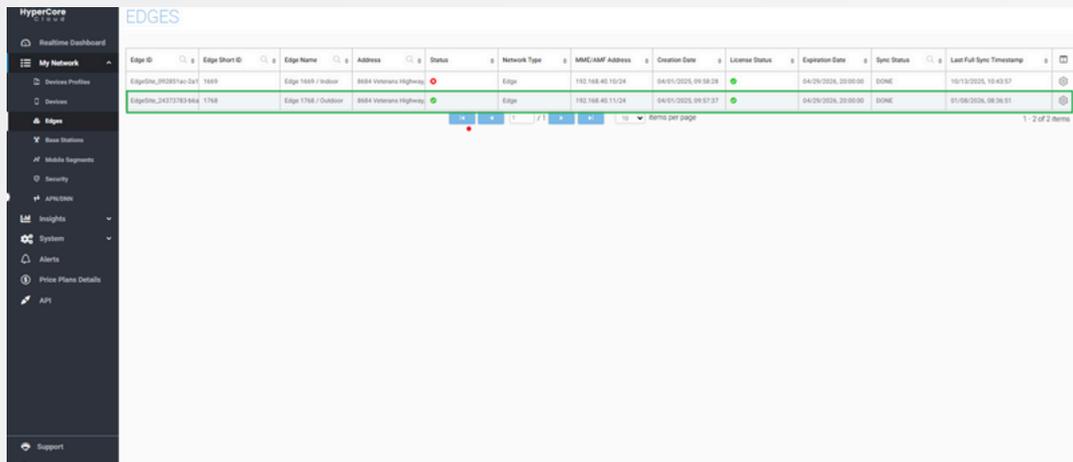


Dashboard with online Edge and Base Station highlighted with a green box.

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Verify Edge and Base Station Connectivity

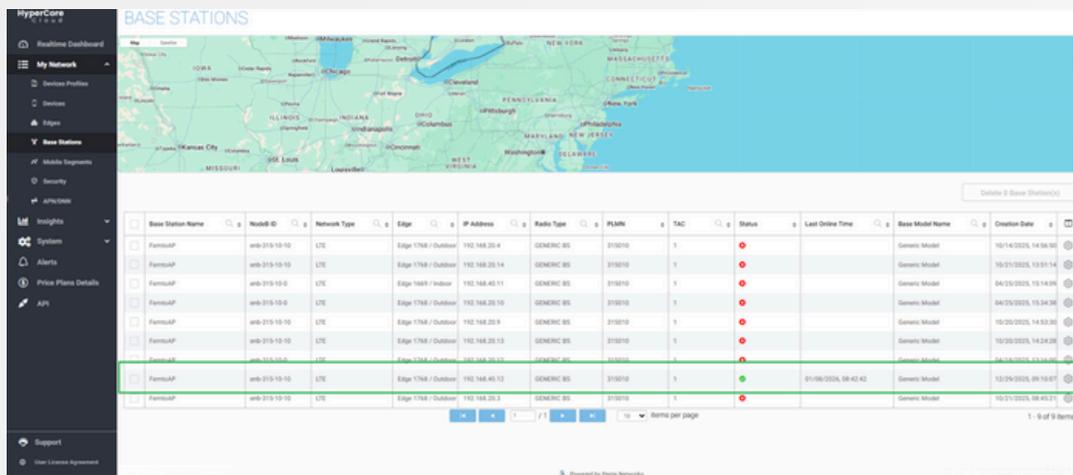
Step 3: Click the Network tab drop down on the left panel and navigate to “Edges” and verify that the status of is green.



Edge ID	Edge Short ID	Edge Name	Address	Status	Network Type	MM/USMP Address	Creation Date	License Status	Expiration Date	Sync Status	Last Full Sync Timestamp
EdgeSite_202857ao2a	1768	Edge 1768 / Indoor	884 Veterans Highway	●	Edge	192.168.45.10/24	04/01/2025, 09:58:28	●	04/29/2026, 20:00:00	DONE	10/13/2025, 10:43:57
EdgeSite_2437283844	1768	Edge 1768 / Outdoor	884 Veterans Highway	●	Edge	192.168.45.11/24	04/01/2025, 09:57:37	●	04/29/2026, 20:00:00	DONE	01/08/2026, 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	web-375-10-10	LTE	Edge 1768 / Outdoor	192.168.20-4	GENERIC BS	310010	1	●		Generic Model	10/14/2025, 14:36:30
FemtoAP	web-375-10-10	LTE	Edge 1689 / Outdoor	192.168.20-14	GENERIC BS	310010	1	●		Generic Model	10/21/2025, 13:01:14
FemtoAP	web-375-10-0	LTE	Edge 1689 / Indoor	192.168.40-11	GENERIC BS	310010	1	●		Generic Model	04/29/2025, 15:14:00
FemtoAP	web-375-10-0	LTE	Edge 1768 / Outdoor	192.168.20-10	GENERIC BS	310010	1	●		Generic Model	04/29/2025, 15:34:30
FemtoAP	web-375-10-10	LTE	Edge 1768 / Outdoor	192.168.20-9	GENERIC BS	310010	1	●		Generic Model	10/20/2025, 14:53:20
FemtoAP	web-375-10-10	LTE	Edge 1768 / Outdoor	192.168.20-13	GENERIC BS	310010	1	●		Generic Model	10/20/2025, 14:24:20
FemtoAP	web-375-10-0	LTE	Edge 1768 / Outdoor	192.168.20-11	GENERIC BS	310010	1	●		Generic Model	04/29/2025, 13:13:00
FemtoAP	web-375-10-10	LTE	Edge 1768 / Outdoor	192.168.40-13	GENERIC BS	310010	1	●	01/08/2026, 08:42:42	Generic Model	12/29/2025, 09:10:07
FemtoAP	web-375-10-10	LTE	Edge 1768 / Outdoor	192.168.20-3	GENERIC BS	310010	1	●		Generic Model	10/21/2025, 08:42:31

Base station radio online.

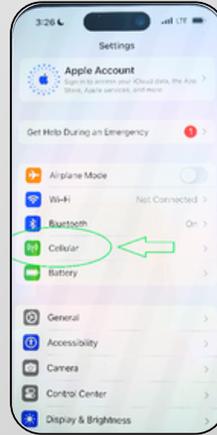
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eSIM Activation

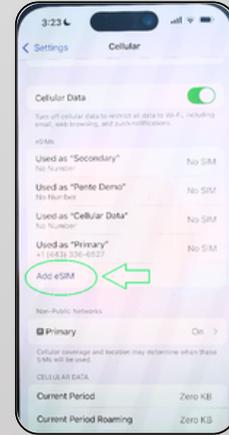
Step 1: On your mobile device, navigate to Settings → Cellular.

Step 2: Select Add eSIM.

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



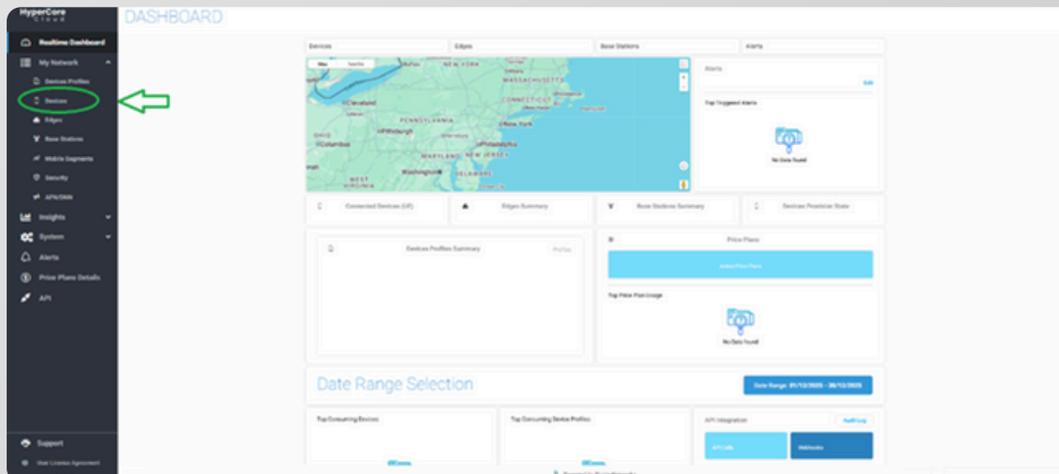
Step 1: Settings → Cellular



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”.



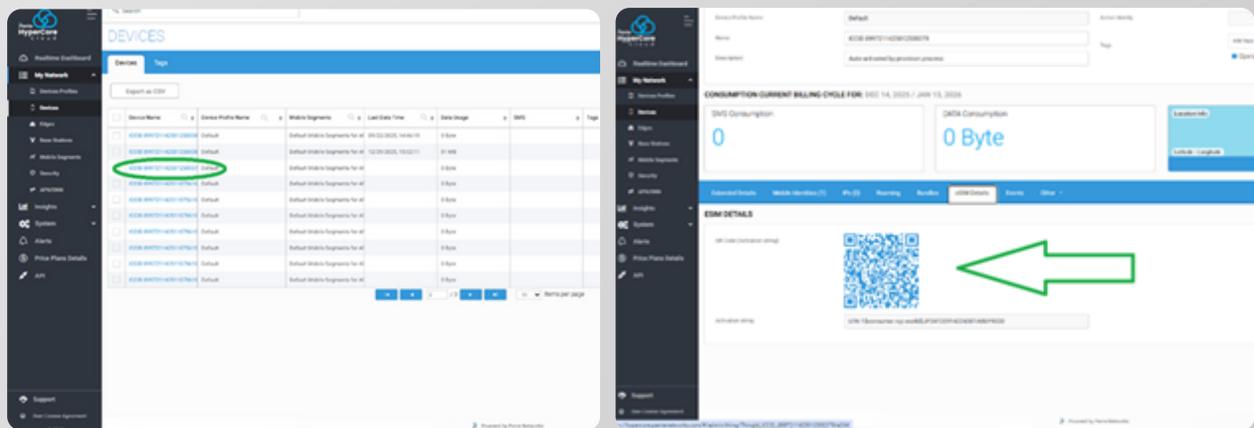
Step 5: Hypercore portal (Devices) circled in green.

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eSIM Activation

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

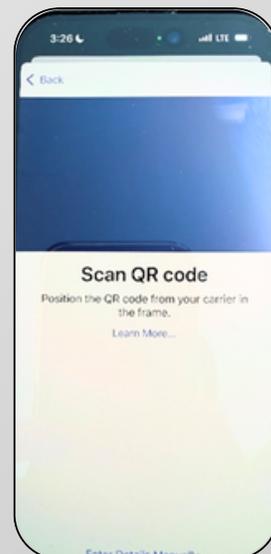
Step 7: Click eSIM Details to display the QR code.



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.



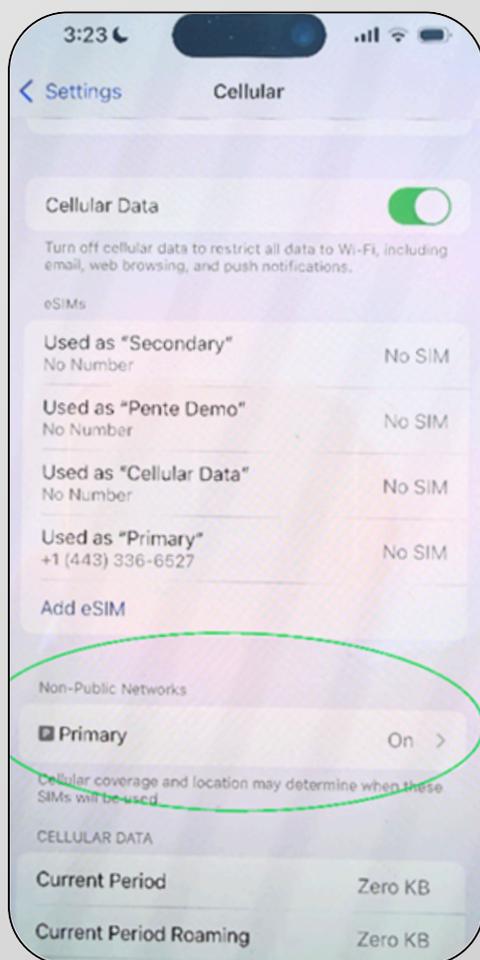
Step 8: Scan QR code.

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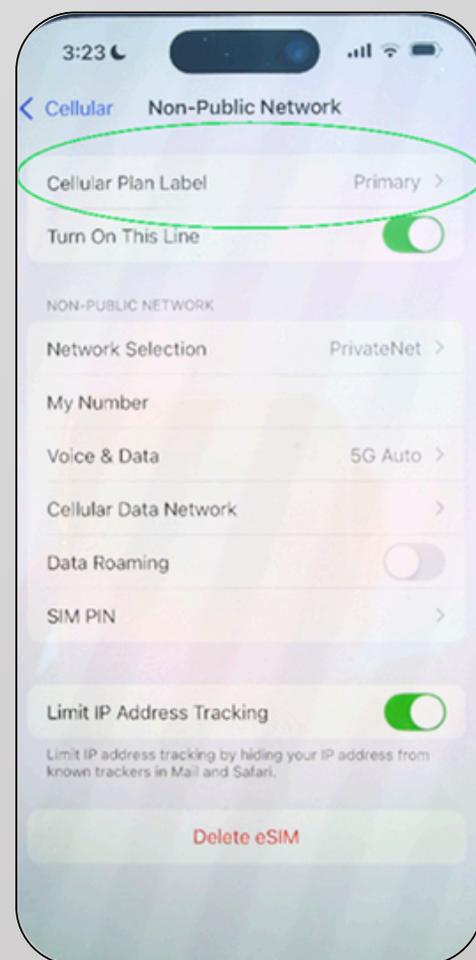
Set Private Network as Primary

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

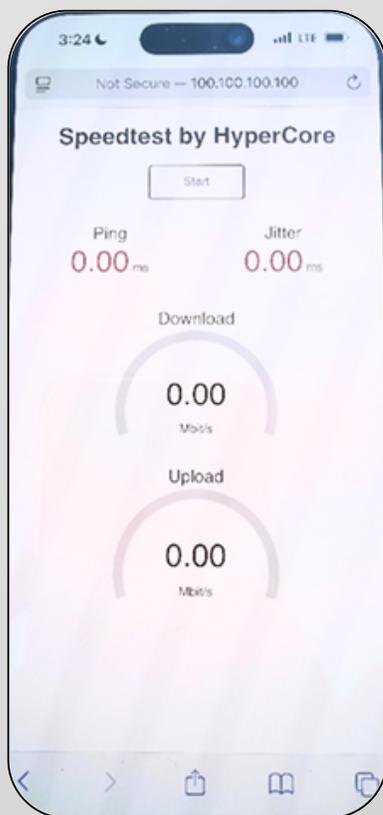
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Verify Network Connectivity & Speed Testing

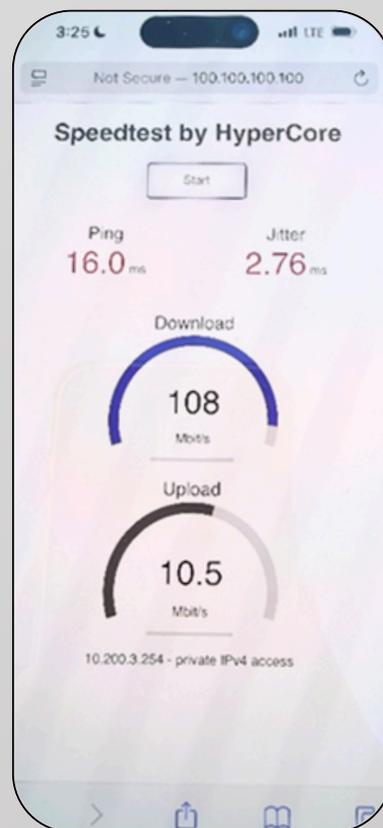
Open a web browser and navigate to <https://100.100.100.100>.

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

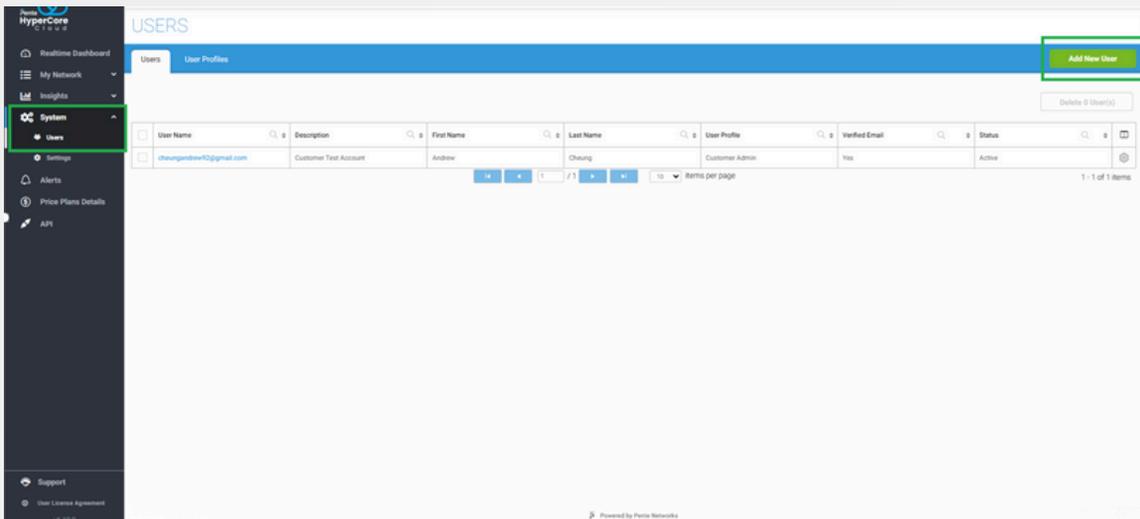


Successful
speed test result

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Adding Users To Pente Hypercore Portal

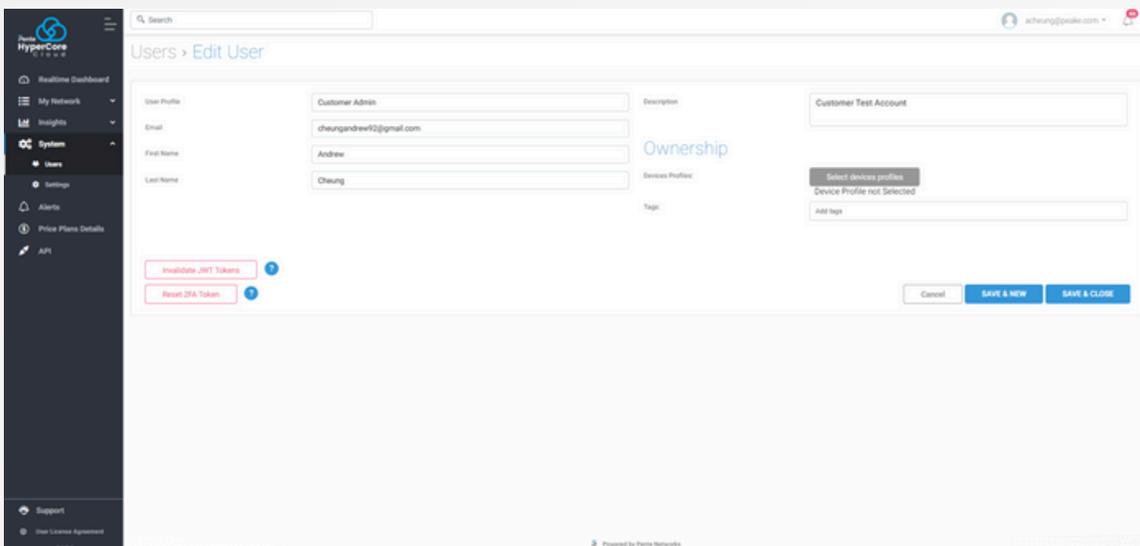
Step 1: Click the System drop down on the left side panel and click "Users".



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.