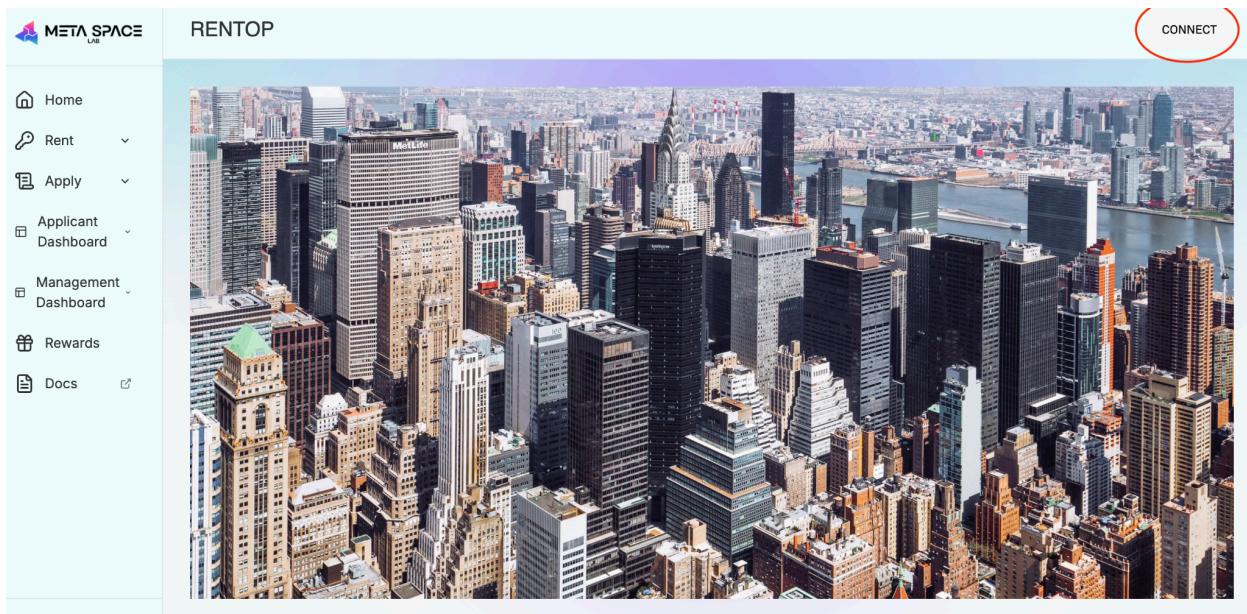


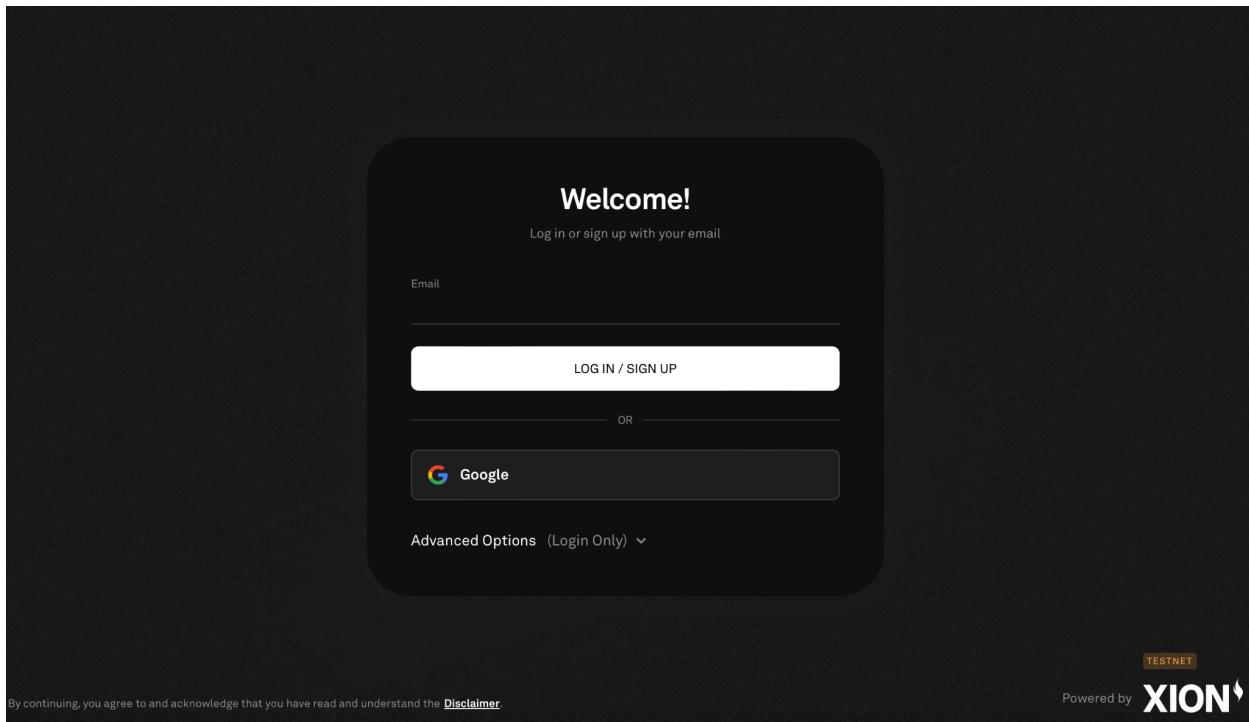
Sign Up

RENTOP uses Xion account abstraction in order to create an account for users. They have a few options for doing this.

- Entering an email - If using an email, please wait for the email verification code to be received, as it can be delayed a bit
- Connecting a Google account directly
- Connecting one of the following web3 wallets: OKX Wallet, MetaMask, Keplr Wallet

Once connected, an Xion account will be created from the scope of the application for the user to be used, and abstract away any information about their sign-in credential from our system.





Identity Verification

Once the wallet is created, the account within the application is not finished, but KYC or KYB must be completed before continuing. Users who are looking to apply to rent or are small-time property owners who are looking to rent independently of a legal organization should select KYC, while property management companies should select KYB. The information that is needed differs depending on these.

KYC

To verify for individuals, a user will need

- An email address (not stored with us, but used by our KYC providers to securely access results of the process later for use elsewhere. We only get the Xion account and the status of verification.)
- A government-issued ID belonging to themselves (passports, driver's licenses, other IDs that vary by jurisdiction)
- A phone with a camera (needed to process the KYC wizard, which includes a liveness check)

Our partners do not even expose any personally identifiable data to us via integrations, merely the status and document types used to process.

Wrapping Up

In either case, completing these steps will drop the user back to the landing, which will redirect them to the main site once through. Inability to log in can be settled with us by contacting support at

Applicants

Applying

Applying is very straightforward, as the user simply needs to navigate to search, enter the city or postal code they want to view, and then search.

Properties are listed on the map and in table format. Users can:

- Apply then and there
- Save for later (allows for bulk applying)
- View insights into the property (amenities nearby, listing statistics, and schools in the area)
- View walkthrough or demos if provided by property management.

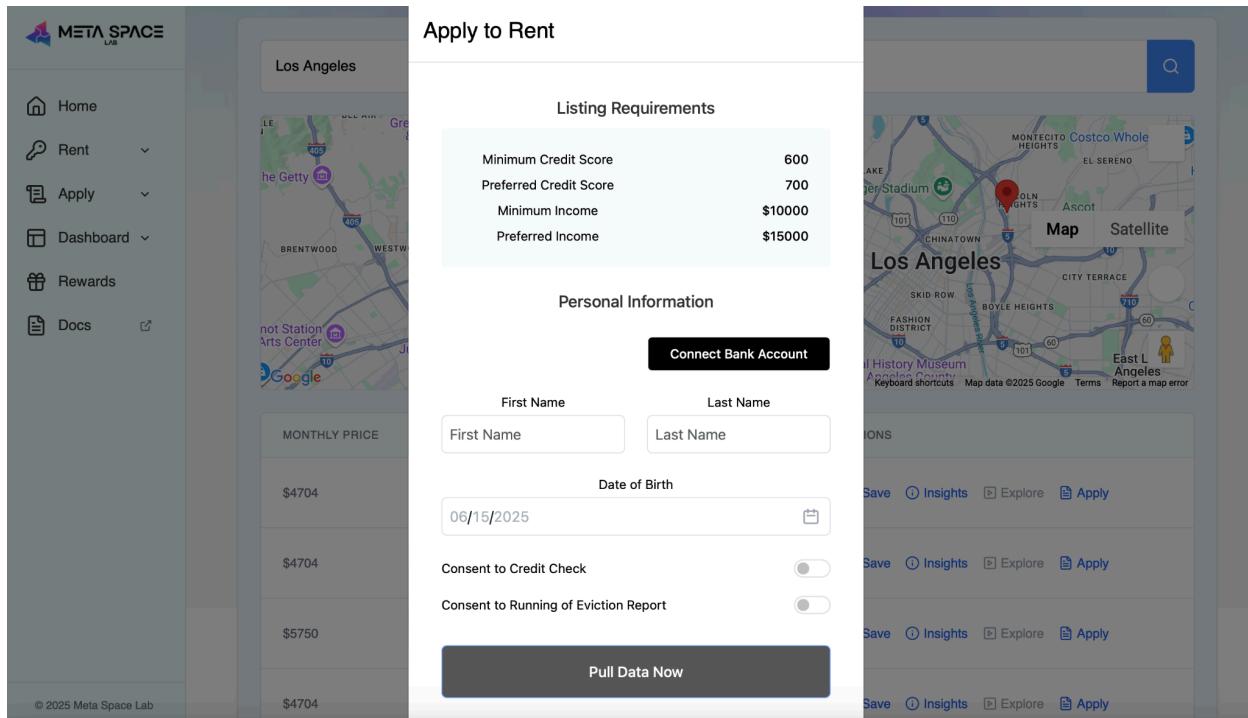
The screenshot shows the Meta Space Lab application interface. On the left is a sidebar with the following navigation options: Home, Rent, Apply, Dashboard, Rewards, and Docs. The main area has a search bar at the top with the placeholder "Los Angeles". Below the search bar is a map of Los Angeles with various neighborhoods labeled and several red location markers. To the right of the map are buttons for "Map" and "Satellite". Below the map is a table listing four properties:

MONTHLY PRICE	ADDRESS	ACTIONS
\$4704	852 Crenshaw Blvd, Los Angeles, CA 90005, USA	Save Insights Explore Apply
\$4704	855 Crenshaw Blvd, Los Angeles, CA 90005, USA	Save Insights Explore Apply
\$5750	1923 N Gower St	Save Insights Explore Apply
\$4704	853 Crenshaw Blvd, Los Angeles, CA 90005, USA	Save Insights Explore Apply

At the bottom left of the main area, it says "© 2025 Meta Space Lab".

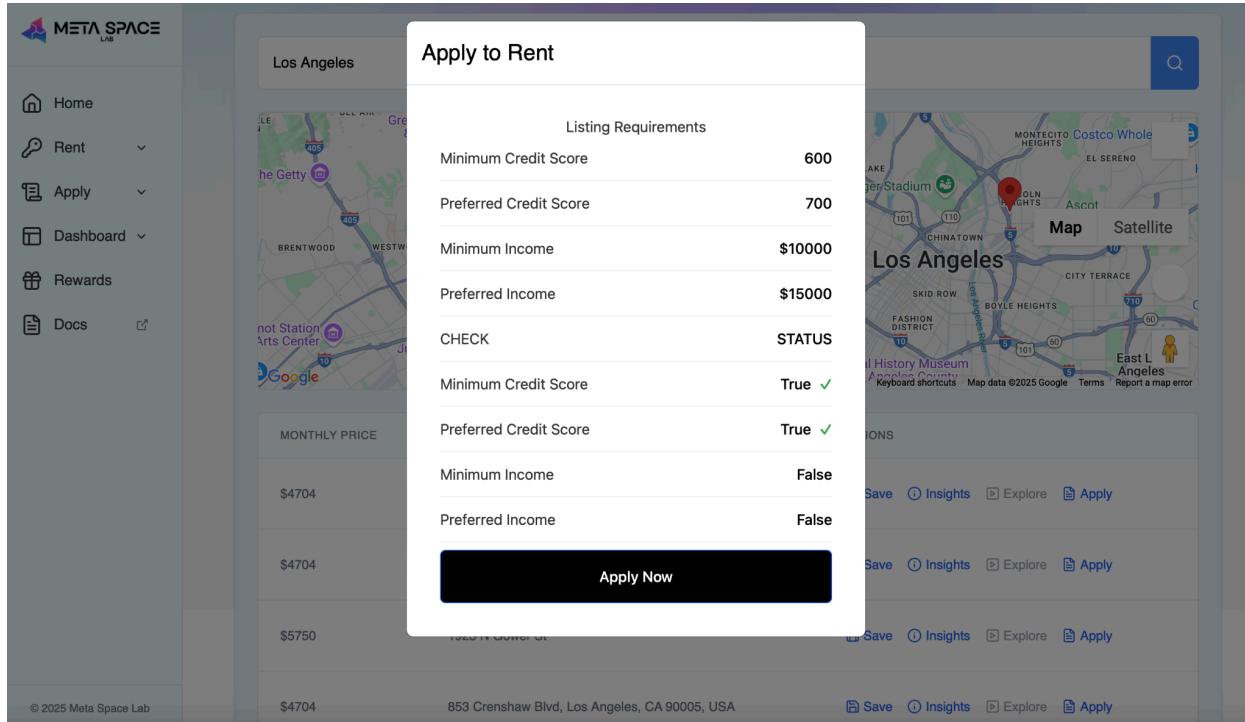
Navigating towards apply will ask the user for a few pieces of info, the majority of the time:

- First name and last name
- Date of birth
- Consent to data pulls
- Connecting their bank account via open banking integrations



None of the personal details are saved on our end, but are executed in memory. Opening banking likewise does not save or log anything in any format, but uses transactions into the account connected from income sources to estimate income at this time.

The values related to income (and in the USA, credit) are compared against the listings smart contract registry, where property management would have configured various levels of success on conditions of credit and income. This data is shown to the user along with the levels they pass. They can send or deny at this point, which will add a registry entry to the contract with the results of the filters and their system ID. Once again, no direct data is stored; only filter results for true or false. The smart contract transaction ID is also returned for users to be allowed to view the data directly on the chain, should they desire to.



Bulk applying works very similarly, only rather than sending one at a time, it's accessed through the saved listings view and can be used to apply to any number or all of the listings previously saved. This will write one single smart contract transaction to the registry with all the values, reduce transaction fees that are applied back to the users, and allow pulling the unsaved data only once for user convenience without compromising personal data security.

Rental Contracts

Users are able to monitor the status of their application from the applicant dashboard. If accepted, the indication will show and allow the user to navigate to the terms of their rental contract, the duration, and the requested deposit amount. Users are able to pay with traditional payment gateways or a crypto stablecoin gateway. Should they use the crypto gateway, they will be eligible for automatic deposit release at the end of their lease, given the completion of the contract's terms. This will require the user to save a public address of a crypto wallet for the transaction to be facilitated at the end of the window, but no additional information is required.

The screenshot shows the RENTOP Applicant Dashboard. On the left is a sidebar with icons for Home, Rent, Apply, and Dashboard. The Dashboard icon is highlighted with a blue background. The main area has a header "RENTOP" and a "VIEW ACCOUNT" button. Below is a section titled "Applicant Dashboard" containing four rows of property information:

Address	Details	Status
9004 Harford Rd, Parkville, MD 21234, USA, Parkville, MD 21234	Details	Accepted
2404 Wilshire Blvd, Los Angeles, CA 90057	Details	Pending Review
1923 N Gower St, Los Angeles, CA 90068	Details	Pending Review
5242 Tower 2, Dubai, Dubai Marina -	Details	Pending Review

Landlords

Listing

Users can start to add properties that they wish to list by navigating to Rent and adding a new one. At this point, they are able to enter the address, a walkthrough, the advertised monthly rent, and configure filters used for screening.

The filters are what we ultimately store in our smart contract for each property listed. You pick a type (credit or income) and the minimum threshold to satisfy the filter. It is possible to add as many as desired. When a user goes to complete the data pull to apply, we compare their information against each filter and return a simple true or false value based on whether they are equal to or surpass the filter value.

Monthly Rent Price

Minimum Credit Requirement

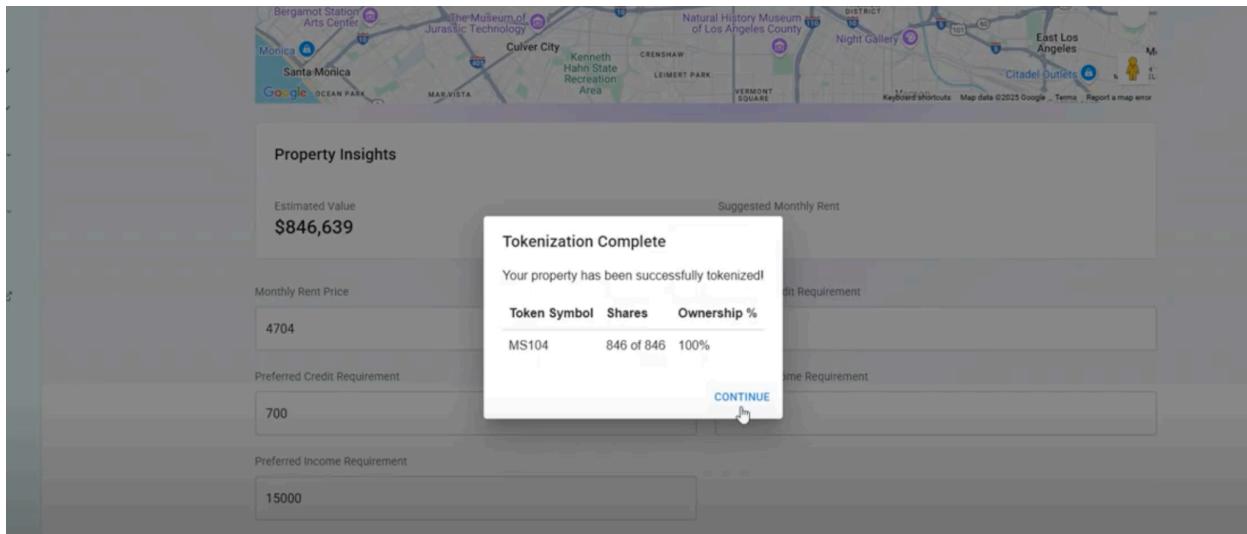
Preferred Credit Requirement

Minimum Income Requirement

The walkthrough previously mentioned should be a URL link detailing a 3d virtual walkthrough of the property being listed. These must be uploaded and added externally due to the complexity of the software and hardware involved in these processes, but can be easily launched from the client view once added. Providers such as Matterport require just the URL. This is an optional step and can be skipped with no effect.

A larger number of listings should be added by reaching out to Meta Space Lab directly, as we can bulk import these on request easily, especially for initial client set up, due to integration endpoints created for common property management software like Buildium. This can be used to quickly set up all the listings needed for an account right away, either with requirements pre-set or the ability to go in and set these manually once uploaded in a pended state.

Listing ownership will be validated against property ownership databases. If we can quickly verify the identity of the property against uploaded users, the listing will process immediately. If we are unable to, we will send the update and provide instructions on a contact address to email about the issue. Should ownership be verifiable at that point, we can unpending the property and have it take effect immediately.



Property Management Dashboard

Property management can see the list of currently listed properties they manage from this view, with edit settings that can let them update key details or push new registry entries to the smart contract for requirement details of the listing.

852 Crenshaw Blvd, Los Angeles, CA 90005, USA	@ Details	
855 Crenshaw Blvd, Los Angeles, CA 90005, USA	@ Details	
Monthly Payment:	\$4704	
Current Value:	\$846,639.00	
	View Applicants	Property Insights
853 Crenshaw Blvd, Los Angeles, CA 90005, USA	@ Details	
2624 S Carrollton Ave, New Orleans, LA 70118, USA	@ Details	
856 Crenshaw Blvd, Los Angeles, CA 90005, USA	@ Details	

Insight views are also provided. Management can see the current estimated value of the property as well as historical values charted over time. Estimates of the ROI of renovations are also provided in order to help see how this will impact the overall value and rentability of the property, with this in mind.

DePin data for specific properties is also visible from this view by navigating to the DePin panel of the insights dialog. This will provide a list of devices connected to this associated property, details on the usage of the device, and information on estimated earnings over time for this particular property.

Applicant Review

From the property view, it's possible to view a list of applicants who applied to rent the selected property. This will give a simple view grouped by time and the account identifier of the applicant. At this point, they can launch to view how the applicant did in regards to the previously configured filters with simple pass/fail language for each filter in the table. From there, they are able to choose to accept or close the panel.

Applicant Data

Requirement	Check Status
Minimum Income	Passed
Preferred Income	Passed

[Close](#) [View Contract](#)

Accepting will launch a panel for sending the rental contract to the applicant. This can be done either via a PDF upload to extract the contract data or a freeform response. Once the contract is filled out, duration is specified, and the deposit amount is set, the contract is saved and sent to the applicant for processing.

Once they accept, they will be prompted to complete payment. This will be done by stablecoin transfer to facilitate a quick deposit. A web3 wallet must be configured on the management side before this transaction is able to be processed successfully, but funds should clear moments after the applicant's transaction processes successfully.

Automatic Deposit Release

At the end of the lease, deposits can be released automatically if the contract conditions were never violated in any way during the duration of the rental contract. A button click will instantiate the process to return the stablecoin amount equal to the originally sent balance back to the tenant.

Investors

The investor portfolio module works as an extension of the landlord functionality. Every investment user has access to all the portions below, but there are other tools and pieces of functionality that go beyond normal rental flows in order to maximize earnings from rentals and create portfolios from the earnings. The flows will deal with modeling of listings, DePIN components, and DeFi portfolio management.

Modeling Listings

Users can add listings that they do not own via a modeled listing add on in the property management page. This works similar to adding properties they via the rent new property section with the following exceptions

- No verification is performed on the ownership.
- The property cannot be rented.
- The property will not be displayed in the same list as owned properties, but rather a separate modeled properties list.
- Property values and earning potential stats will not be shown in the same calculations as owner properties, but a separate section designated to include modeled listings.

This functionality will also:

- Allow users to set partial ownership.
- Mock up a token to go with the modeled listing.
- Pull data for an existing token tied to the property to estimate potential value on shares of token ownership.

As modeled listings aren't really listing within RENTOP and have no smart contract tie-ins, removing the listing from an investment view simply requires clicking remove on the modeling listings page. This is a permanent action, but users can add and remove these listings as much as they want without any restrictions.

DePIN Module

At the bottom of the investment dashboard we include a section titled "DePIN Networks Dashboard" for interacting with DePIN protocols in a few different ways. These include:

- Adding an existing device to your account to link it.
- Viewing rewards and other statistics depending on the protocol in question.
- Modeling potential earnings of a node you may want to add.

The screenshot shows the Meta Space LAB Management Dashboard. On the left sidebar, under 'Management Dashboard', the 'DePIN Networks Dashboard' is selected. The main area displays four investment strategies:

- Liquidity Pools**: AMM liquidity provision, 12.5% APY, High Risk. Allocation field: \$ 0.00.
- Lending Protocols**: DeFi lending platforms, 8.2% APY, Medium Risk. Allocation field: \$ 0.00.
- Staking Rewards**: PoS staking rewards, 7.3% APY, Medium Risk. Allocation field: \$ 0.00.
- Stable Yield**: Stablecoin yield strategies, 4.2% APY, Low Risk. Allocation field: \$ 0.00.

A note at the bottom states: "No allocations yet. Start by entering amounts in the strategy fields above". Below this, the "DePIN Networks Dashboard" section is shown with two network options:

- Helium Network**: \$30.30 /month
- Pollen Network**: \$41.60 /month

Clicking “Add Node” on the dashboard will launch a wizard to add the node. The first action required will be to pick the network (at this time only Helium is fully supported with more networks in development soon) and then enter in a unique identifier associated with the node. No wallet address or API key is required to link, as we only look at publicly accessible data, but users can add their publicly visible address to bulk import if comfortable doing so. No connection or signed events are issued, as RENTOP’s DePIN components are read only and will never access any sensitive data from the user. When adding, individual nodes can be linked directly to properties they are located on in order to search nodes by property, more easily see these values for specific properties, and show max earning potential for property based upon DePIN rewards in addition to the traditional earning streams.

Once imported users can view earnings statistics over spans of time as selected for all the nodes from the dashboard view. This is pulled over API to allow nodes linked to the account for the network. Furthermore, earnings from DePIN will show in the monthly earnings chart at the top of the investment dashboard.

Helium Network 

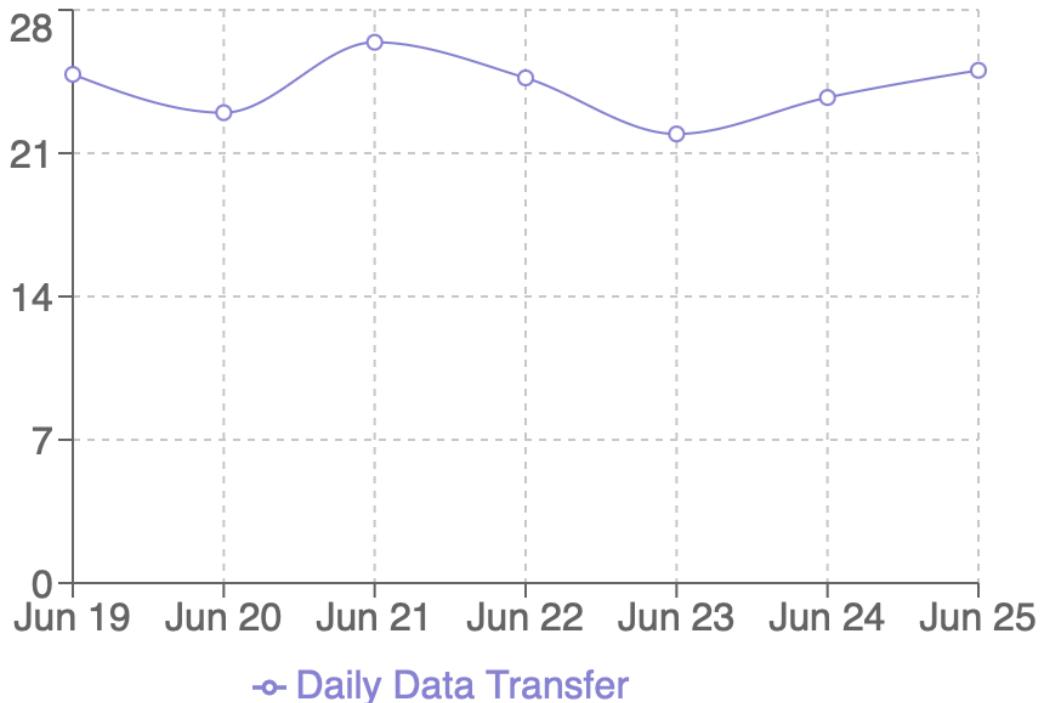
\$30.30 /month

[Refresh Data](#)

Total Mobile Hotspots	5	+1
Daily Users	55 /day	-7
Daily Data Transfer	24.21 GB /day	+10 GB
Hotspot Average Rewards	81000.910 HNT	1D 7D 30D

Select Metric to Chart:

[Daily Data Transfer \(GB\)](#) 



Estimated Monthly Earnings



The last piece of DePIN functionality covers modeling new DePIN nodes. Similar to what we do with modeled listings, this does not require ownership of a node or even the existence of a node at all in this case, but merely an address for where the node should be added and device type. Once added, we take the geographic coordinates of the node and try to find the nearest match of a node type to calculate estimated earning potential of this node. While this can't be guaranteed for what earnings to expect, it can give a rough idea based on earnings of similar nodes over time. Additional filters and search options for matching based on population density and nearby amenities (a user who has property near a stadium may be interested in other nodes near stadiums or similar venues) allow more granularity in terms of determining potential earnings.

DeFi Portfolio Management

The portfolio module contains pieces related to investing cryptocurrencies in linked wallets into DeFi protocols for the purpose of maximizing earnings from rent, DePIN, and tokenized assets. RENTOP itself contains calculated portfolio strategies updated in real time to optimize based on particular conditions (risk and strategy complexity) for which users can click and automatically allocate shares for their modeled portfolio.

↗ DeFi Strategy Selection *

Strategy Complexity	Conservative (Low Risk)	Moderate (Balanced)	Aggressive (Higher Risk)
Basic (Single Protocol)	5-8% APY (Year 5)	8-12% APY (Year 5)	12-15% APY (Year 5)
Intermediate (Multi-Protocol)	8-12% APY (Year 5)	12-18% APY (Year 5)	18-25% APY (Year 5)
Advanced (Leveraged)	12-18% APY (Year 5)	18-25% APY (Year 5)	25-40% APY (Year 5)

* All values are estimated potential and not guaranteed.

Advanced users who do not wish to leverage RENTOP's calculated settings can set allocations themselves by manually setting values with available funds. A user could even use the base strategies and tailor these as desired. AI agents are provided to answer questions about historical data and detailed projects as needed to further aid setting these values or answer questions about the default portfolio settings that are calculated at a particular time.

Strategy Allocation

Yield Farming
High yield farming protocols

12.5% APY High Risk

Liquidity Pools
AMM liquidity provision

8.2% APY Medium Risk

Lending Protocols
DeFi lending platforms

5.8% APY Low Risk

Staking Rewards
PoS staking rewards

7.3% APY Medium Risk

Allocation Distribution



No allocations yet
Start by entering amounts in the strategy fields above

Onboarding for specific protocols being used for investments in some cases may require manual set up and all final interactions will require signature to approve. RENTOP will work to begin prepping the transaction before, ultimately sending a signature request to the user wallet to push the transaction to actually execute the allocation settings. These may take multiple transactions depending on strategy. Once done the view will indicate an actively managed portfolio with the ability to change or withdrawal from DeFi investing.