USER GUIDE

FINNEY™

CONTENTS

DIVE INTO CRYPTO WITH FINNEY™ FROM SIRIN LABS
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INTRODUCTION TO SIRIN LABS

SIRIN LABS, the leading innovator in mobile security, is bridging the gap between the blockchain economy and the mass market in order to actualize the full potential of cryptocurrency and decentralized technology through significantly improved security and simplified user experience.

FINNEY™ UNIQUE FEATURES

FINNEY™ offers cutting-edge security and cyber protection for storing and using your cryptocurrency. It also features SIRIN OS™, which provides you with previously unobtainable security for your mobile device and hardware wallet. With FINNEY's proprietary Safe Screen, you will be able to independently verify the authenticity and legitimacy of every crypto transaction you initiate through your device.

FINNEY provides you with extensive functionality through the Token Conversion Service (TCS), which makes exchanging supported coins and tokens a seamless and simple experience, eliminating the need to visit an external exchange.

FINNEY™ Wallet

The FINNEY Wallet is a true cold-storage hardware wallet, complete with separate and dedicated memory, processor, screen, keyboard, firmware, and software. It is the only wallet currently safe and secure enough to store and use cryptocurrency in a mobile environment.

Token Conversion Service

The TCS works in the background of your phone to facilitate a purchases using cryptocurrency. It works by automatically performing all the necessary transfers and transactions needed to make a purchase with cryptocurrency that you do not own, and uses the cryptocurrency stored in your FINNEY Wallet.

dCENTER App

The dCENTER is your portal to all things decentralized. The goal is to support the additional development and adoption of different decentralized applications through a native application-like experience in a safe, secure, and seamless way. Included in the dCENTER is a Learn & Earn program which rewards users with real tokens for learning about new, exciting, and upcoming projects in the crypto landscape.

Cyber Protection

We are all aware of the growing threat from hackers to our networks, data, and hardware. Like any other piece of technology, mobile phones are vulnerable to cyber-attack. With this in mind, FINNEY's unique cyber-protection solution was designed to provide savvy mobile users with robust protection of their devices and data, shielding against malware, network attacks, and physical attacks.

WHAT'S IN THE BOX

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FINNEY™

FINNEY is SIRIN LABS' ultra-secure smartphone for the blockchain era. It is the only smartphone safe and secure enough to both store and use cryptocurrency in a mobile environment.

Cables

FINNEY™ uses a USB Type-C port to charge and physically connect to other devices, so older cables may not work with your device. We recommend using one of the two cables provided:

- A Cable with Type-C connectors on each side, allowing the full benefit of the high data-rate USB3.0 (5Gbps) data transfer.

- A DAC (Digital to Analog Converter) audio dongle so you can use a standard 3.5mm audio jack with your phone.

International Charger

The international charger has been developed so you can charge FINNEY™ wherever you are. The charger supports multiple inlet adapters for compatibility with standard power inlets in different regions. The North America plug is built into the charger while additional adapters for use in the UK, Europe, and Australia/China, are provided in the box. You can connect any of the additional plugs to the charger by simply folding back the North America plug and snap-fitting the adapter to the charger.

The international charger supports Qualcomm®'s Quick Charge™ 4.0 technology, making charging more efficient and faster when compared to using a standard charger. Use the cable supplied to connect the charger to FINNEY. You can also charge FINNEY through a laptop or any other device that supports a USB port.

SIM Tool

You will find the special SIM tool in the box. This tool helps you open the SIM tray to either insert or remove a SIM card.

GETTING STARTED

FINNEY™ at a Glance

FINNEY is SIRIN LABS' ultra-secure smartphone for the blockchain era. It is the only smartphone safe and secure enough to both store and use cryptocurrency in a mobile environment.

Wallet Slider

Main Camera

Cameras Flash

Fingerprint Sensor

NFC Sensor

Back Cover Glass

Safe Screen

Earpiece

SIM/SD Card

Front Camera

Main Displasy

Speaker

USB Connector
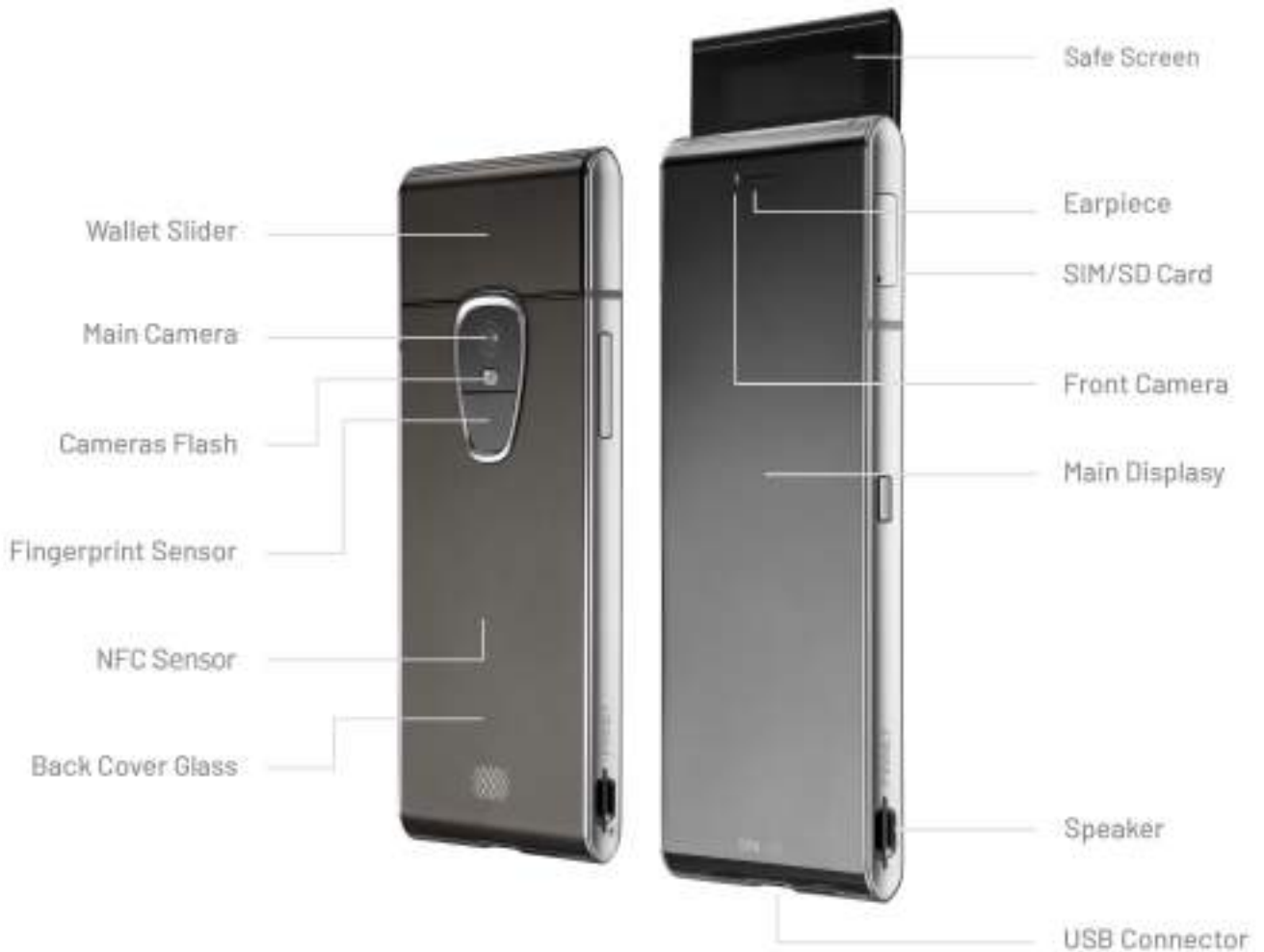
Charge your FINNEY™

Before you switch on your FINNEY device, you need to make sure that it's fully charged. You can charge the phone either when it is switched on or off. In either case, the Finney screen indicates that the phone is being charged.

Insert the SIM Card

Use the SIM Tool to open the SIM tray as shown below.
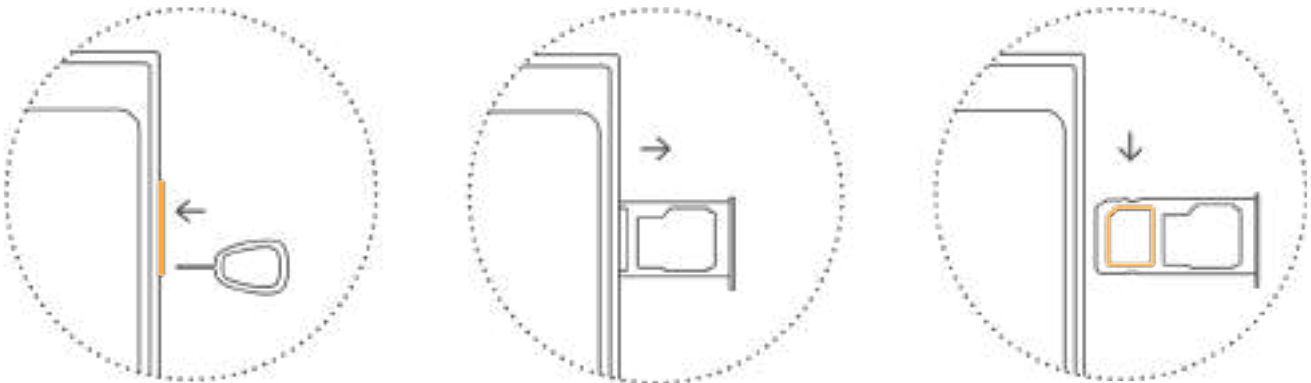
Remove the Tamper-proof Seal

Brand new FINNEY™ devices leave the factory with a seal across the FINNEY Safe Screen as shown below. Remove the seal to access the Safe Screen. If there is no seal or the seal seems to have been tampered with, you should contact SIRIN LABS Support immediately.

Power-on

To switch on your FINNEY™ device, press and hold the power button on the right-hand side of the phone until the screen switches on.
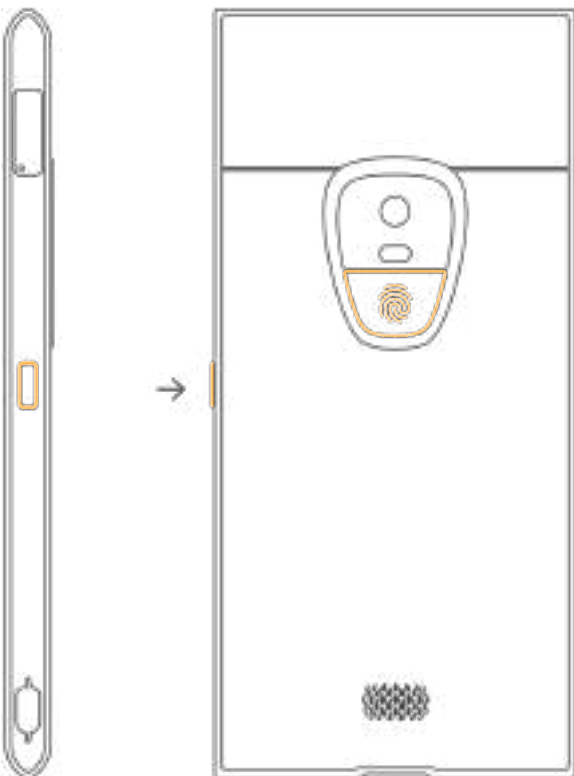
ⓘ NOTE	To switch off FINNEY, press and hold the power button and then tap **Power Off**.

Setup Wizard

When you switch on your FINNEY™ for the first time, the setup wizard screen opens. You use the setup wizard to personalise your device with your preferences.

⊙ NOTE

If you ever perform a "Factory-Reset" of your device, you'll also be prompted to go through the Setup Wizard.

This table describes the different steps in the Setup Wizard:

Step	Description
Select language	Define the interface language displayed by your FINNEY™. Once you make your selection, tap Go Crypto to continue.
Copy apps & data	You can decide whether to transfer data from another device or the cloud, or set up as new.
Connect to Wi-Fi	Select your network of choice from available wireless networks.
Set up your Google account	You can add your Google account information to enable syncing with apps like Gmail™ and Google Calendar™.
Name	You can enter a name for your device.
Unlock with fingerprint	Though this is optional, we recommend using Fingerprint authentication for the best protection.
Set a screen lock	You can enter a PIN number for screen locking. See **Screen security** for information about defining your authentication method.
Google Services	Configure how you want the various Google services to operate on your device.
Anything else?	Additional settings, such as adding another email account or defining how you receive notifications when the screen is locked.

FINNEY™ WALLET

ABOUT YOUR FINNEY™ WALLET

FINNEY Wallet will help you easily and securely trade in the cryptocurrency world. FINNEY Wallet comprises an app that you use on your device's main screen and a hardware Safe Screen that slides up at the top of your device.

You can use your FINNEY Wallet to:

- Send cryptocurrency
- Receive cryptocurrency
- Convert cryptocurrency
- View your cryptocurrency balance
- See your cryptocurrency transaction history
- Sign and approve blockchain messages with a private key

⊙ **IMPORTANT**

- Both for security and to protect the Safe Screen, you should only open the Safe Screen when needed or when prompted by the wallet app.
- If the Safe Screen has been open for more than 5 minutes with no activity, the power to the Safe Screen turns off. To reactivate the Safe Screen, you will need to slide it down and then up again to power on.
- Whenever you need to enter your password in the Safe Screen, you'll have up to 10 attempts to enter the password successfully. After a 10th unsuccessful attempt, your wallet will be wiped and you will need to either recover or reconfigure the wallet.

When the wallet wipe has been completed, the wallet app closes. When you next open the wallet app, you will have the option to either Configure (create new seed words and wallet) or Recover (open an existing wallet with existing seed words).

FINNEY™ WALLET APP HOME SCREEN

With the FINNEY Wallet app, you can securely trade and transact using your cryptocurrency holdings.
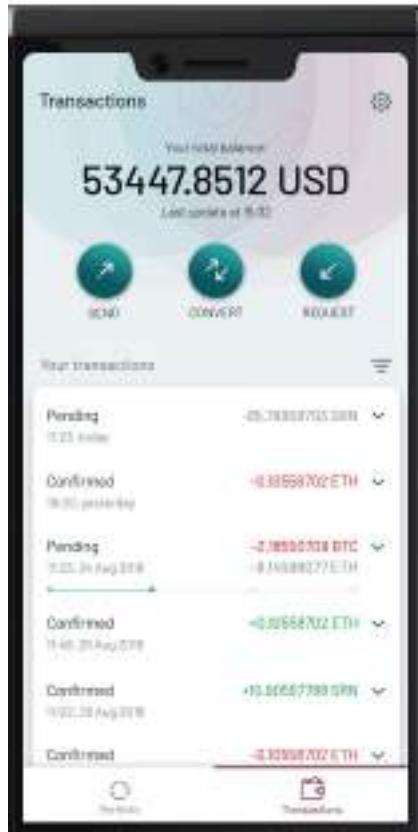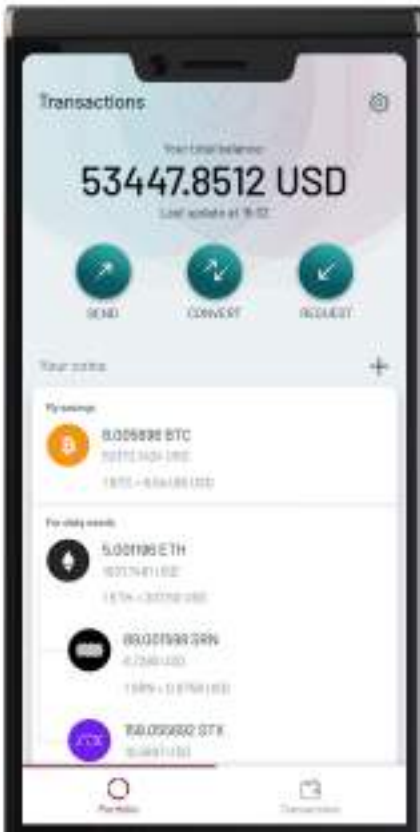
Use the slider at the top of your FINNEY device to open the Safe Screen when you want to use your wallet. The main screen gives you these options:

Option	Description
Portfolio/Transactions	The display toggles when you choose either option at the foot of the screen. E.g. if you choose Transactions, the app screen shows your transaction history for the wallet. You can tap each entry to drill down into more detail about the entry.
Settings	See **Wallet Settings** for more information about Settings.
Balance	The screen shows the total balance for the wallet in fiat currency. The time of the last update is also shown. Note: If you're not connected to the internet, such as when the device is in Flight mode, the balance will be greyed out and a data-connectivity error shows at the bottom of the screen.
Send	See **Sending currency** for information about sending cryptocurrency to a third party
Convert	See **Converting currency** for information about converting cryptocurrency.
Receive	See **Requesting currency** for information about receiving cryptocurrency from another person

SETTING UP YOUR FINNEY™ WALLET

When you receive your brand new FINNEY device, you need to run through some initial setup procedures.

Installing FINNEY Firmware

This procedure relates to a brand-new fresh-from-the box device.

1. Switch your phone on.
2. On the Home screen tap FINNEY Wallet to open the FINNEY Wallet app.
3. Read and accept both the End User License Agreement (EULA) and the Privacy Policy.
4. Slide the Safe Screen up to start the installation process.
5. The app screen shows the installation progress.
6. At the end of the installation process, tap Approve to complete the installation.
7. Make sure you keep the Safe Screen open so you can configure your new wallet.

Configuring your wallet

Once you have FINNEY™ firmware installed on your device you can configure your wallet. The first step is to either create a new wallet or you input information to access an existing wallet you have. To access a wallet, either by creating a new one, or opening an existing wallet, you'll need to either create new seed words or input existing seed words respectively.

Creating a new wallet

1. Open the FINNEY Wallet app and accept the EULA and Terms and Conditions.
2. When prompted, open the Safe Screen.
3. In the app home screen tap Configure to create a new set of seed words.
4. When prompted in the app screen, in the Safe Screen create a password for your seed words. We recommend you use as complex a password as possible based on the guidelines below. Do not use a simple password like "abcd".

   - The password must be a minimum of 4 characters and can be a maximum of 72.
   - You can use letters but they will be case sensitive.
   - You can include use digits.
   - You can also use special characters, such as !, @, #, etc.

   ⓘ **IMPORTANT**　　Make sure you save your password for future reference. If you lose or forget your password, there is no way to retrieve it.

   After you create your password, FINNEY generates a set of 24 seed words.

5. Make sure you write down the seed words in the correct order and keep it in a secure location or future reference. If you lose or forget the seed words, you will not be able to access your crypto assets and the assets will be permanently lost and not recoverable.

6. After the 24th word appears, you'll be prompted to verify that you correctly wrote down the seed words in the correct order. The Safe Screen will show word options that you need to confirm. For each seed word, select the correct choice from the options presented to you. If you enter a word out of sequence, the configuration process will start again from the beginning.

7. Once you successfully confirm your seed words, you are prompted to reenter your password. After successfully entering your password and if you are connected to a network, FINNEY generates default accounts for you. If you are not connected, it's likely that you will either have only partial or no syncing of your wallet.

   By default FINNEY creates a wallet with accounts for Bitcoin, Ethereum, and a SIRIN LABS SRN Token.

8. Wait till the syncing process is finished. Your newly created wallet home screen opens for you to start working.

Recovering an existing wallet

If you have an existing wallet and accompanying seed words, you can enter the seed words in your Safe Screen so you can access it on your device.

ⓘ **NOTE**   The FINNEY wallet only supports BIP 39 and BIP 44 compatible sets of seed words.

1. In the app screen tap Recover to enter existing seed words.

2. You're prompted to confirm whether your existing seed words are a 12, 18, or 24 word-combination. In the Safe Screen, tap the correct number.
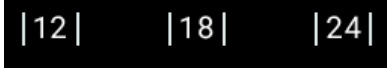
3. When prompted, enter your seed words in order in the Safe Screen.
   After you enter the first 3 characters of each word:

   - If it's a 3 character word, you can tap checkmark to approve the word.

   - If the word is 4 or more characters long, FINNEY will autocomplete the word after 4 characters. Tap the check mark to move to the next word.
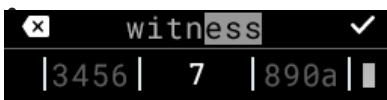
When you complete the input:

- If the seed words are invalid, you'll receive an error message and you'll be prompted to reenter the seed words.

- If the process is completed successfully, you are prompted to reenter your password. After successfully entering your password and if you are connected to a network, FINNEY syncs your wallet.

⚠ IMPORTANT	•	If you have a number of accounts the sync process can take some time. Wait until the process is complete.
	•	You must keep the Safe Screen open during the sync process.
	•	The FINNEY wallet currently supports Bitcoin and Ethereum accounts.

Syncing Your Wallet

You can easily sync your FINNEY™ device to the existing seed words you have for your wallet.

1. In the app screen, tap Sync.

2. Tap Sync from an existing seed.

3. When prompted, enter your password for the seed words.

If you entered your password correctly, FINNEY begins the syncing process.

| ⚠ IMPORTANT | • | If you have a number of accounts the sync process can take some time. Wait until the process is complete. |
| | • | You must keep the Safe Screen open during the sync process. |

FINNEY™ Firmware Updates

From time to time SIRIN LABS updates firmware packages. When a new release is ready for installation a notification icon will appear in your screen as shown below:

You will be notified about pending updates in one of these ways:

- A badge will appear on the wallet app icon on your device's home screen (as shown above).
- A badge will show on the Settings icon in your wallet app home screen.
- In the Settings screen, a badge will appear next to the About option.
- A notification message shows when you open your wallet app.

To begin the firmware update:

1. Tap the firmware update notification badge.
2. Tap **Update** to begin the update straight away. Or tap Later to postpone the update. If you tap Later, the update notifications will continue to appear until you approve the update.
3. Slide open the Safe Screen.
4. Tap **Approve** to confirm the update.
5. When prompted, enter your wallet password. Once you successfully enter your password, the update process begins. When the process is complete, the wallet app home screen opens.

ⓘ NOTE
- We recommend you have your seed words with you when you update firmware in case an error occurs during the update.
- You can check your current firmware version by going to **Settings** in the wallet app and then tapping **About**.
- During the update process, do not close the Safe Screen and do not power down the device. This will ensure the update is completed successfully.

FINNEY™ WALLET SETTINGS

In your FINNEY wallet app you have these configuration options:

Option	Description
Currency	Use this setting to determine the default fiat currency display. The FINNEY wallet will calculate and display all crypto assets in the currency you select.
Accounts	See below about Account Management.
Change password	See below
Wipe wallet	See below
Passphrase protection	See below
About	Shows version information and gives access to the End User License Agreement, Privacy Policy, and 3rd party licenses.

ⓘ NOTE   You cannot change the Safe Screen language and it is always English (US)

To change your password

1. In the wallet app home screen tap the Settings icon. Then tap Change password.

2. When prompted, Slide open the Safe Screen.

3. In the Safe Screen enter your existing password.

4. Enter your new password.

5. Reenter the new password.

ⓘ IMPORTANT   Whenever you need to enter your password in the Safe Screen, you'll have up to 10 attempts to enter the password successfully. After a 10th unsuccessful attempt, your wallet will be wiped and you will need to either recover or reconfigure the wallet.

When the wallet wipe has been completed, the wallet app closes. When you next open the wallet app, you will have the option to either Configure (create a new set of seed words and wallet) or Recover (open an existing wallet with existing seed words).

6. When prompted in the app screen, in the Safe Screen create a password for your seed words. We recommend you use as complex a password as possible based on the guidelines below. Do not use a simple password like "abcd".

- The password must be a minimum of 4 characters and can be a maximum of 72.

- You can use letters but they will be case sensitive.

- You can include use digits.

- You can also use special characters, such as !, @, #, etc.

ⓘ IMPORTANT   If you lose or forget your password, there is no way to retrieve it.

7. When prompted, reenter and approve your password to complete the process.

To wipe your wallet

Wiping your wallet allows you to protect your data for these reasons:
- You forgot your password.
- You send your device in for repair.
- You must wipe your wallet before handing the phone in for repair.

ⓘ IMPORTANT   • Once you've wiped the wallet, you cannot reverse the process. To restore the seed words for the wallet, you will need to use the wallet app's Recover option.
            • You will not need your password to perform the wipe action.

To wipe your wallet:

1. In the wallet app home screen tap the **Settings** icon.

2. Tap **Wipe Wallet** and when prompted, tap **Yes** to confirm the wipe action.

3. Before the process begins a message appears confirming that you're about to wipe the seed words from the wallet. You can tap **Cancel** to stop the wipe and maintain your wallet.

4. If you want to move ahead with wiping the wallet, in the Safe Screen, tap **Approve** to confirm and begin the wipe. When the wallet wipe has been completed, the wallet app closes. When you next open the wallet app, you will have the option to either **Configure** (to create new seed words and wallet) or **Recover** (to open an existing wallet with existing seed words).

Passphrase protection

You can add an extra level off privacy to your wallet by adding a passphrase. If you activate a passphrase for your wallet, you'll be asked to enter the passphrase when you access your safe Screen in addition to your password.

1. In the wallet app home screen tap the Settings icon. Then tap Passphrase Protection.

2. When prompted, slide open the Safe Screen. When prompted, enter your current password.

3. In the safe Screen, enter your desired passphrase.

⚠ NOTE

- The passphrase can be a minimum of 1 and a maximum of 50 characters.

- You can have an unlimited number of passphrases. Each password and passphrase combination relates to a different wallet.

- If you forget the passphrase, there is no way to recover it. This means that you will lose access to the wallet and all the crypto assets of that wallet.

- Whenever you close the Safe Screen, it means you are no longer working in Passphrase -protection mode.

Once you enter the passphrase, FINNEY syncs your wallet with the new information. Make sure you follow the on-screen instructions and keep the Safe Screen open.

USING YOUR FINNEY™ WALLET

Sending currency

It's easy to send currency with your FINNEY wallet as described below.

1. In the wallet app tap **Send**.

- You should have received from the receiving person an address or QR code where the funds should be sent. Either capture the QR code, copy the code string, or manually enter the address. Click **Next**.

- If you have more than one currency defined, you'll be prompted to define the currency you want to use. Tap the arrow on the right of the field to open the list from where you can navigate to the currency you want. You can also use the search field to look for the currency.

- After you select the currency, enter the amount you want to send. You can enter an amount either in the cryptocurrency or in fiat currency.

2. The **Fee** field shows the fee for this transaction. If you want to change the amount, you can use the slider to change the fee amount.

    - A default fee is shown to start with.

    - Expand the section to enter or adjust the fee level.

    - A higher fee will receive a higher priority in approving the transaction in the blockchain.

3. If your screen shows a **Data** field, you can expand the field to add additional information regarding your transaction that is sent to the blockchain.

4. Expand the **Comment** field to add notes regarding the transaction. These notes are only saved on the device and are not sent as part of the smart contract information to the blockchain.

    Once you've completed the steps described above, the system checks if you have enough balance in your wallet to cover the transaction. An error message shows if you exceed the balance and you can then adjust the amount involved.

5. Tap **Next**. The app shows a summary of the transaction.

    - If you want to cancel the transaction at this point, tap **Cancel.**

    - To continue with the transaction, slide open the Safe Screen.

6. Follow the instructions as they appear on the wallet app screen. Compare the information shown in the app screen with that shown in the Safe Screen.

ⓘ **NOTE**   If you see any differences between the information in the Safe Screen and that shown in the app screen, you should stop the process.

7. Once you compare the information and all is correct, tap **Approve**.

8. When prompted, enter your password. The point at which you'll need to enter your password will depend on the Blockchain type you are using for this transaction.

9. Tap the check mark to complete the setup process and begin the transaction. A status screen shows progress.

    - When the transaction has been completed, tap **Go to transactions** to view transaction status.

    - If the transaction processing is unsuccessful because your balance is insufficient to cover the transaction, you can tap **Edit** to set up the transaction again.

ⓘ **NOTE**
- When the receiving party accesses either the QR code or string that you sent, they will be able to receive the funds.

- You can input the amount of cryptocurrency to send either in fiat currency equivalent, such as US$ or any recognized cryptocurrency.

- You can send all the funds in the wallet which will empty the account. Tap **Max** to use all available funds, after fees have been deducted.

Converting currency

It's easy to convert currency with your FINNEY wallet as described below.

1. On the wallet home screen, tap **Convert**.

2. In the I have section, select which currency you want to convert and how much you want to convert.

3. In the I want section, select the currency you want to convert to.

4. The screen shows the minimum and maximum amounts you can convert.

5. The exchange rate shown is estimated since due to currency and fee volatility the actual rate may be different when the transaction goes through.

6. In the **Deposit fee** determine how much you are prepared to pay as the transaction fee. The Total spent at the bottom of the screen shows the total amount the transaction will cost, including the fee.

7. Tap **Next** and as prompted, slide open the Safe Screen.

8. Enter your password and tap the checkmark to approve.

9. The wallet app screen shows an auto-generated address. Verify that the address in the Safe Screen matches the address in the app screen. Then make sure the amount and fee are correct.

10. Tap **Approve** to confirm the transaction. The screen shows that the transaction was sent to the blockchain.

ⓘ **NOTE**
- The time it takes for the currency to be converted and received depends on the blockchain speed.
- When you want to convert currency, the wallet app will only display the currencies that the token conversion source (TCS) supports.

Requesting currency

It's easy to request or receive currency with your FINNEY wallet as described below.

1. On the wallet home scree screen, tap **Receive**.

2. Define the cryptocurrency you want to receive.

3. Define the amount you want to receive. This is optional.

4. Tap **Next** and when prompted slide open the Safe Screen.

5. Enter your password.

6. The app screen shows a summary of the currency you want to receive. To continue, tap **Share.**The Safe Screen shows a QR code and alternatively an address string is shown in the app screen.

7. You can share the address in one of these 3 ways:
   - Capture the QR code using another device. For example, if the person sending you currency is near you, they can capture the QR code on their device.
   - Tap the clipboard icon to copy the address to your device's clipboard. Then paste into the app you want to use to share the address.
   - Tap **Share** to open the sharing options your phone has, such as WhatsApp or email.

ACCOUNT MANAGEMENT

The FINNEY™ Wallet lets you have a number of accounts per blockchain.

1. In the wallet app, go to **Settings** and then tap **Accounts**.
2. You can add blockchain accounts and decide which is your default account.
3. Tap **Add** to add the new account.
4. When prompted, slide open the Safe Screen and then enter your password. The system then generates the new account, which appears in the Accounts list.

⚠ NOTE
- By default, when you create new wallets in your FINNEY device, the wallets come set up with both Bitcoin and Ethereum accounts with balances of 0. The account names are Bitcoin#0 and Ethereum #0.
- You can use the Accounts setting to delete any accounts that have no transactions.
- The Accounts setting also lets you define meaningful names for your different accounts.
- You can only add accounts for a currency if you've already carried out one or more transactions with that currency. This is true even if your balance in an existing account is currently zero.

TROUBLESHOOTING

Find below suggested solutions for issues that can occur when working with your wallet.

Issue	Solution
I used the Recover option to recover a wallet, but the sync has failed	You don't need to go through the recovery process again. All you need to do is resync as described here: • In the wallet app screen, tap **Recover**. • Tap Sync from an existing seed.

dCENTER: SIRIN LABS' BLOCKCHAIN CENTER

ABOUT DCENTER

dCENTER is a SIRIN OS app that gives you access to crypto assets, lets you discover Decentralized applications (DApps), gives you free AirDrop tokens, and provides access to blockchain and cryptocurrency learning resources.

The first time you open the dCENTER app, you'll need to accept the terms and conditions as shown below.
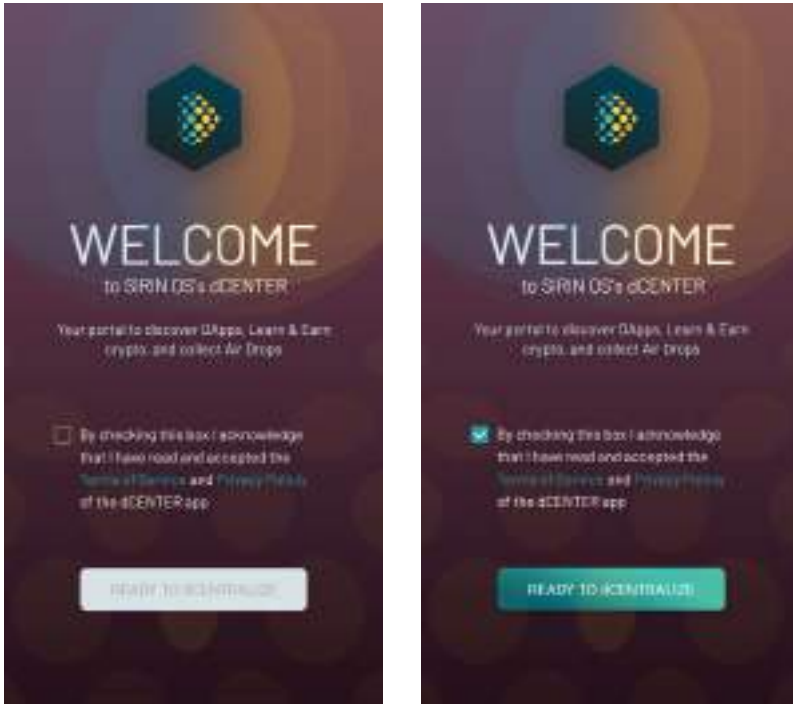
Once you've done that, the AirDrops registration screen opens as shown below.

By registering to the AirDrops service, you are permitting SIRIN LABS to periodically send you free AirDrops, such as cryptocurrency tokens or Non-fungible token (NFTs).

1. In the dCENTER app, tap **REGISTER** to continue the registration process in the FINNEY Wallet app.

2. In the FINNEY Wallet app, you are prompted to open the Safe Screen.

3. Tap **Approve** to confirm the registration.

4. Enter your password. Once you've entered your password, you are automatically returned to the dCENTER.

ⓘ **NOTE**   You must have an existing Ethereum crypto wallet to use the dCENTER.

Once you've completed both registration and syncing of the dCENTER app to your FINNEY Wallet, the dCENTER app opens as shown here.

DApps

DApps are decentralized applications used together with cryptocurrency. The dCENTER app is automatically connected with your FINNEY Wallet to enable any required crypto payments.

Learn & Earn, the dCENTER Education Center

The Learn & Earn section contains educational videos about blockchains, cryptocurrency, upcoming ICOs, and much more. At the end of each video you are invited to take a short quiz on what you've learnt. You can then claim rewards for passing the quizzes in the form of either tokens or other crypto assets, such as ERC 721.

To access the Education Center:

1. Open the dCENTER app.
2. At the bottom of the screen, tap **Learn and Earn.**
3. Then select the Education campaign you want to learn about.
4. Answer the questions correctly and collect your rewards.

AirDrops

In this part of the dCENTER app, you can see all the AirDrops that have been collected.

To receive AirDrops you must first be registered with SIRIN LABS. See the 3 section about registering with SIRIN LABS

Airdrops may be restricted to specific territories and/or users.

Profile

In the dCENTER Profile area you can customize various elements of the app:

Option	Description
My favorites	You can define apps as favorites that will appear on the dCENTER home screen.
Settings	• Notifications: such as when there are new DApps or air drops • About • Terms of service • Privacy Policy • Contact us • Account: define the FINNEY wallet account you want to use in the dCENTER.

FINNEY™ SECURITY CENTER

SIRIN LABS' advanced Cyber Security capabilities are manifested in different facets on your FINNEY™ device. These provide you with powerful protection for your conversations and data. You can configure your desired security levels in the Security menu settings as described below.

SCREEN LOCK

You can define the screen-locking methods for your phone. To set a screen-locking method:

1. In the **Screen Security** menu, tap **Screen Lock**.
2. Select from the available options.

⚠ **IMPORTANT**
- When FINNEY's Safe Screen is open, you must use a screen lock. For an optimum level of security, we recommend using Fingerprint mode.
- In addition, you must also provide an additional mode of accessing your phone as a backup. This backup mode can be one of the other methods, such as Password, Pattern or PIN.

CYBER SECURITY

You use this setting to switch on or off your advanced SIRIN LABS cyber-protection for your phone. You can use the Manage White List option to add or remove apps or Wi-Fi networks to/from your device's approved list.

WHITE LIST

Use the White List to approve apps and Wi-Fi networks that have been flagged by the Cyber Protection. You can add entries to these lists when you receive a prompt regarding a suspicious app or network. Tap ADD to add the app or Wi-Fi network to the approved list. You can also turn off or pause the Wi-Fi connection or the app.

FINNEY™ PHONE BASICS

MAIN SCREEN LAYOUT

Status Bar

The bar at the top of your screen shows the different statuses of your phone.

Quick Settings Menu

Swipe down from the top of your screen with to access the Quick Settings menu. This menu allows you to:

- Adjust the Brightness setting
- Turn Wi-Fi on/off
- Turn Cellular network access on/off
- Turn Bluetooth on/off
- Screen rotation enable/disable
- Turn the flash light on/off
- Capture an image of the screen
- Switch the phone to Airplane Mode
- Turn Do not-disturb on/off
- Turn Location Services on/off
- Turn NFC on/off
- Turn battery saver on/off
- Tap the cogwheel icon to open the Settings menu

Navigation Bar

At the foot of your screen, you will see these icons:
- The arrow icon on the left is the Back button
- The circle icon in the middle takes you to your home screen
- The square icon on the right takes you to the Overview or Recents screen

Preloaded SIRIN LABS Applications

Trust Call

TrustCall enables secure HD-quality calling, text messaging, and group messaging with an application that is easy to install, manage, and use. With TrustCall, you can seamlessly make calls and send text messages across device types, networks (including LTE, Wi-Fi and 4G, 3G, 2G), and operating systems. TrustCall's HD performance and quality exceeds other secure communications solutions, providing a familiar user experience comparable to regular mobile calls and text messages.

Cointelegraph

Cointelegraph is the best app for receiving the top Blockchain, Cryptocurrency, and Bitcoin news on your phone. Stay on top of the industry by getting the latest and hottest stories in your pocket. You can easily browse headlines, save articles to read them later, and explore real-time market data with the help of interactive charts.

ProtonMail Secure Email

FINNEY™ is equipped with a secure email app powered by ProtonMail. Sign up either through the ProtonMail website or download the app from the Google Play store.

Google Apps

Your FINNEY™ device comes preloaded with these Google apps: Google Play, Gmail, Google Hangouts™, Maps™, Google Play Music, Google Photos™, YouTube™, Google Translate™, Google Drive™, Google Chrome™.

Quick Access

When the screen is locked, you can still access the following features:
- Drag the 🎤 icon to the right side of the screen to open the Google Assistant
- Drag the 🔒 icon to the center of the screen to open your lockscreen
- Drag the 📷 icon to the left side of the screen to open the camera

ⓘ NOTE   If the phone is locked by any authentication method, the dialer will open only for emergency calls

PHONE CALLS

There are several convenient ways to place calls from your FINNEY™:
- Using the on-screen dial pad
- Call from Call History
- Call from Contacts

CONTACTS

You can store and manage contacts from a variety of sources, including contacts that you enter and save directly in your phone as well as contacts synchronized with different accounts (e.g. Google, Outlook and more).

When you first turn on your device and sign into your Google Account, any existing contacts from that account are synced with your contacts. The contacts are sorted alphabetically.

ⓘ **NOTE** If you reset the phone to its factory default parameters, locally stored contacts (phone contacts) may be lost.

MESSAGING

Use the messaging app to send and receive SMS messages.

CAMERA

You can use the camera app to take and share pictures and videos:

- Take photos
- Record videos
- Take panoramic images
- Use Burst mode to take several images in quick succession
- Record and play videos in slow motion
- Take selfie images (with Bokeh effect)

TOOLS AND CALENDAR

Calendar

Use the Calendar app to create and manage events, meetings, and appointments. Your Calendar helps organize your time and reminds you of important events. You can synchronize your calendar with web-based calendars such as: Microsoft® Exchange ActiveSync®, Outlook and more.

Clock

Your phone includes a basic clock app that enables you to:

- Set alarms
- View the time in different destinations. Tap the globe icon to view
- Set a time
- Use the clock as a stopwatch

Calculator

Your phone's convenient built-in Calculator app works as a regular calculator, allowing you to perform mathematical equations.

SETTINGS

HOW TO ACCESS YOUR SYSTEM SETTINGS

- On your FINNEY™ home screen, scroll up to view the app drawer.
- Tap the ⚙ icon to open the Settings menu.

You can configure these settings:

Settings	Description
Network & Internet	Includes Wi-Fi connections, mobile networks and hotspotting and tethering.
Connected Devices	Set up Bluetooth connections, NFC data exchange, printing preferences, and more.
Apps & notifications	App management including notifications, permissions, etc.
Battery	Drill down to battery usage, sleep, and other battery-related settings.
Display	Set brightness levels, your wallpaper, display sizes, etc.
Sound	You can define the various sound settings for your device, including vibrate mode, do-not-disturb, and ring tone.
Storage space	Lets you manage device storage across the device.
Security & location	Includes locking preferences, such as fingerprint, PIN, and other related settings.
Users & accounts	You can add different types of account to your device, such as Exchange or Google.
Accessibility	Includes sound and display settings, text-to-speech and other related options.
Google	This option lets you configure a range of Google services for your device.
System	Define your language, date and time, and other settings.

SECURITY

SIRIN LABS' advanced Cyber Security capabilities are manifested in different facets in FINNEY. These provide you with powerful protection for your conversations and data.
You can configure your desired security levels in the Security menu settings as described below.

Screen Lock

You can define the screen-locking methods for your phone. To set a screen-locking method:

1. In the Screen Security menu, tap **Screen Lock**.
2. Select from the available options.

ⓘ IMPORTANT	When FINNEY's Safe Screen is open, you must use a screen lock. For an optimum level of security, we recommend using Fingerprint mode. In addition, you must also provide an additional mode of accessing your phone as a backup. This backup mode can be one of the other methods, such as Password, Pattern, or PIN.

App Locker

Your FINNEY device lets you lock different apps on your device. This can be helpful for example if you lend your phone to someone but don't want them to access certain apps on the phone. You can lock the app/s in one of 2 ways:

- On the app you want to lock, long tap and then tap **Lock**. When prompted, enter the locking method. You can use a PIN number, or even finger-print locking if you already defined this on your device as a locking method.
- Go to **Settings > Security > App locker**. You can select the locking method you want to use and then from the list, tap on the app/s listing you want to lock.

You can use this setting to manage your locked apps.

Cyber Security

You use this setting to enable or disable advanced FINNEY™ cyber-protection for your phone. You can use the Wi-fi and Applications White List options to either add or remove apps or Wi-Fi networks to or from your device's approved list.

ⓘ NOTE	Under Cyber Threats history you can view a log of threats that have been dealt with.

White List

Use the White List to approve apps and Wi-Fi networks that have been flagged by the Cyber Protection. You can add entries to these lists when you receive a prompt regarding a suspicious app or network. Tap ADD to add the app or Wi-Fi network to the approved list. You can also turn off or pause the Wi-Fi connection or the app.

FINNEY™: PRODUCT SPECIFICATIONS

General

- Model name: FINNEY™ U1
- Model number: SR00300-W

Contents of FINNEY™ Box

- FINNEY™ Smartphone
- International charger powered by Qualcomm® Quick Charge 4.0™ technology with five regional wall plugs (UK, US, EU, AU, KO)
- USB 3.0 Type C-C data and charging 100cm cable
- Active Digital-to-Analog convertor (DAC) audio dongle
- SIM extraction tool
- Documentation: Quick Start Guide, warranty document, Safety & SAR, and Wallet Guide

Operating system

- Android 8.1.x
- SIRIN OS™ 3.01

Blockchain Crypto

- Cold storage crypto wallet
- Supports major cryptocurrencies and tokens (BTC, ETH, BNT,STX, CEL, SNT, TRX, BNB, VEN, OMG, ICX, ZIL, AE, ZRX, BTM, REP, MKR, GNT, PPT, RHOC, BAT, IOST, WTC, KCS, DGD, LRC, PXS, NPXS, ELF, HT, AION, NAS, MANA, FUN, WAX, KNC, DROP, MCO, POWR, LOOM, POLY, PAYX, KIN, CMT, NULS,PAY, ENG, THETA, BIX, QAS, LINK)
- State-of the art crypto wallet application
- Token Conversion Service
- Embedded D-Apps store

Cyber Security Center by SIRIN LABS

- Best-of-breed, holistic on-device cyber-threat protection from physical, network and malware threats with online detection and proactive protection.
- Machine learning-based Intrusion Prevention System (IPS)
- Network-attack protection
- Secure coding accompanied with penetration testing to enhance FINNEY™'S security level
- Periodical security patch releases in response to current cyber threats

Secure Hardware Wallet

- Tamper-proof protection for first-time use
- Physical security switch (for wallet protection)
- Dual MCU architecture
- Secure element - Authentication Chip IC
- Firewall FPGA
- Electromechanical switch

Dimensions

- Length: 158mm
- Width: 74.6mm
- Depth: 9.3mm (typical)
- Weight: 209g

HARDWARE AND SOFTWARE CHARACTERISTICS

Computation & Memory

- Qualcomm® Snapdragon™ 845
- Adreno™ 630 GPU
- Hexagon™ 685 DSP
- 6GB RAM LPDDR4

Storage

- 128 GB eMMC of internal memory storage
- SD memory card slot with up to 2T extension

Main Display

- 6" screen
- 18:9 notch-design format
- Technology: CGS/LTPS
- 1080(H) x RGB x 2160 (V) pixel-resolution
- 95% NTSC standard produces vivid color space
- 1500:1 contrast ratio (typical)
- 550 cd/m2 max brightness (typical)
- Fingerprint-resistant oleophobic coating
- Corning® Gorilla® Glass

Safe Screen

- 2" inch diagonal size
- Resolution (WxH) 256x64 pixel
- Integrated touch
- PMOLED mono-white
- 1800:1 Ultrahigh contrast

Main Camera

- 12-megapixel main camera
- Aperture ƒ/1.8
- 1.4um pixel size for low light imaging
- 75 degrees diagonal viewing-angle
- Phase-detection Auto Focus
- True-tone flash

Stills Imaging

- Optical Image Stabilization (OIS)
- Electronic Image stabilization (EIS)
- Auto High Dynamic Range (HDR) Imaging
- Up to 12 megapixel stills imaging
- Touch to Focus / Automatic focus
- Low light imaging mode
- Auto White Balance (AWB)
- Panoramic imaging
- Beauty mode
- Timer capture
- Burst mode

Video Recording

- Electrical Image Stabilization (EIS)
- 4K video recording (3840x2160 pixel resolution) at 60 fps
- 2K video recording (2540x1440 pixel resolution) at 60 fps
- Slow Motion Imaging - FHD video recording (1980x1080 pixel resolution) at 120 fps
- Touch-to-Focus
- Automatic continuous focus
- Up to 4x digital zoom
- Stereo audio recording

Front Camera

- Wide-viewing angle 8 megapixel selfie camera
- ƒ/2.0 aperture
- 74 degrees diagonal viewing angle

Selfie Imaging

- Electrical Image Stabilization (EIS)
- Up to 8 megapixel stills imaging
- High Dynamic Range (HDR)
- Image Geotagging
- Beauty mode
- Portrait mode (with live Bokeh effect)
- Timer capture
- Burst mode

Audio

- High-fidelity Side-fire speaker
- Dual microphone enabled
- CSR aptX® high-quality encoded audio support

Voice

- Noise cancellation
- Echo cancellation
- HD Voice support

Audio Formats

- Supported formats: WAV, MP3, AMR, MIDI, Vorbis, AAC, AAC+

Video Formats

- Supported formats: MPEG4, H.263, H.264, H.265, VP8, VP9
- Multimedia output: Display Port

CELLULAR AND WIRELESS CONNECTIVITY

4G LTE

- Cat 12, 3xCA
- Downlink speed: 600Mbps
- Uplink speed: 150Mbps

- FDD bands: B1 (2100); B2 (1900 PCS); B3 (1800 +); B4 (1700/2100 AWS 1); B5 (850); B7 (2600); B8 900); B11 (1500 Lower); B12 (700 ac); B13 (700 c); B17 (700 bc); B18 (800 Lower), B19 (800 Upper); B20 (800 DD); B21 (1500 Upper); B25 (1900 +); B26 (850 +); B28 (700 APT); B29 (700 de); B30 (2300 WCS); B66 (1700/2100)

- TDD bands B38 (TD 2600); B41 (TD 2500)

- LTE 2xCA band combinations: 1A_3A, 1A_5A, 1A_7A, 1A_8A, 1A_20A, 1A_41A, 3A_3A, 3A_5A, 3A_7A, 3A_8A, 3A_20A, 5A_7A, 7A_7A, 7A_8A, 7A_20A, 38C, 41A_41A, 4A_17A, 2A_4A, 2A_2A, 4A_4A, 25A_25A, 1A_26A, 4A_13A, 21A_28A

- LTE 3xCA band combinations: 1A_3A_3A, 1A_3A_5A, 1A_3A_8A, 1A_3A_20A, 1A_5A_7A, 3A_3A_7A, 3A_3A_8A, 3A_7A_7A, 3A_7A_20A, 41D, 2A_4A_12A, , 1A_21A_28A, 1A_3A_21A, 1A_8A_11A, 3A_8A_11A, 1A_19A_21A, 1A_3A_19A, 3A_19A_21A , 2A_12A_30A, 4A_12A_30A, 2A_5A_30A, 4A_5A_30A, 2A_29A_30A, 4A_29A_30A, 2A_2A_12A, 4A_4A_12A, 1A_19A_21A, 1A_3A_19A

- LTE uplink 41C, 7C, 3A_7A, 4A_12A, _1A_18A, 1A_19A, 1A_26A

UMTS

- Downlink speed: 42Mbps, Uplink speed: UMTS 11Mbps

- Supported bands: B1 (2100); B2 (1900 PCS); B4 (1700/2100 AWS 1); B5 (850); B6 (850 Japan); B8 (900 GSM)

CDMA2000

- BC0 (800); BC1 (1900 PCS); BC10 (Secondary 800 MHz)

2G GSM

- 850; 900 (E-GSM); 1800 (DCS) 1900 (PCS)

Wireless

- 2.4GHz, 5GHz

- 802.11a/b/g/n/ac Wi-Fi with 2x2MIMO up to 866Mb/sec

- Wi-Fi hotspot (tethering and portable hotspot)

Bluetooth

- Bluetooth 5.0

- Headset Profile (HSP), Object Push Profile (OPP), Personal Area Networking Profile (PAN), Phone Book Access Profile (PBA), Advanced Audio Distribution Profile (A2DP), Human Interface Device Profile (HID), Audio/Video Remote Control Profile (AVRCP), Hands-Free Profile (HFP), Device ID Profile (DIP), Generic Audio/Video Distribution Profile (GAVDP), Message Access Profile (MAP)

SIM

- Nano-SIM

- Hot-swap

USB

- USB 3.1
- USB Hi-speed (480 Mbps)
- USB charging, USB fast charging, USB Host, USB On-The-Go 1.3, USB On-The-Go 2.0
- USB Type-C reversible
- USB power direction switch
- Display port

NFC

- NFC (A)
- NFC (B)

Charging and Battery

- Internal 3260mAh Li-ion
    - Stand-by: Up to 450 hours (more than 2 weeks)
    - Talk time: Up to 20 hours (UMTS)
    - Video Playback: Up to 10 hours
    - Music Play: Up to 65 hours (BT earpiece)
    - Internet use (Wi-Fi): up to 13 hrs
    - Internet use (3G): up to 13 hrs
    - Internet use (4G): up to 13 hrs

The times shown above are based on internal lab test conditions. Actual battery life may vary depending on device model, usage pattern, and other surroundings and environmental factors.

- Qualcomm Quick Charge™ 4.0
    - Charging time to 50% <30 min
    - Charging time to full <120 min

Sensors

- Gyroscope and accelerometer
- Fingerprint Sensor
- Proximity Sensor
- Ambient Light Sensor
- eCompass
- Wake-up double tap sensor

Location

- GPS, Simultaneous GPS, Geotagging, A-GPS, QuickGPS, GLONASS, GPS gen 9

APPS

- FINNEY™ Wallet by SIRIN LABS
- dCENTER by SIRIN LABS
- Cyber Security Center
- FINNEY™ App Locker
- FINNEY™ camera application
- ProtonMail
- Koolspan® Trust Call®
- Cointelegraph
- Android standard apps
- Google apps

SUPPORTED LANGUAGES (PHONE)

- Afrikaans (South Africa)
- Albanian (Albania)
- Amharic (Ethiopia)
- Arabic (Egypt)
- Arabic (Israel)
- Arabic (United Arab Emirates)
- Bengali (Bangladesh)
- Bosnian (Latin, Bosnia & Herzegovina)
- Bulgarian (Bulgaria)
- Burmese (Myanmar (Burma))
- Chinese (Simplified Han, China)
- Chinese (Simplified Han, Hong Kong)
- Chinese (Simplified Han, Singapore)
- Chinese (Traditional Han, Hong Kong)
- Chinese (Traditional Han, Taiwan)
- Croatian (Croatia)
- Czech (Czech Republic)
- Danish (Denmark)
- Dutch (Netherlands)
- English (Australia)
- English (Canada)
- English (India)
- English (Ireland)
- English (New Zealand)
- English (Singapore)
- English (United Kingdom)
- English (United States)
- English (Zimbabwe)
- Estonian (Estonia)
- Filipino (Philippines)
- Finnish (Finland)
- French (Canada)
- French (France)
- French (Switzerland)
- German (Austria)
- German (Germany)
- German (Liechtenstein)
- German (Switzerland)
- Greek (Greece)
- Gujarati (India)
- Hebrew (Israel)
- Hindi (India)
- Hungarian (Hungary)
- Icelandic (Iceland)
- Indonesian (Indonesia)

- Italian (Italy)
- Italian (Switzerland)
- Japanese (Japan)
- Kannada (India)
- Kazakh (Kazakhstan)
- Khmer (Cambodia)
- Korean (South Korea)
- Lao (Laos)
- Latvian (Latvia)
- Lithuanian (Lithuania)
- Macedonian (Macedonia (FYROM))
- Malay (Malaysia)
- Malayalam (India)
- Marathi (India)
- Nepali (Nepal)
- Norwegian Bokmål (Norway)
- Persian (Afghanistan)
- Persian (Iran)
- Polish (Poland)
- Portuguese (Brazil)

- Portuguese (Portugal)
- Punjabi (Gurmukhi, India)
- Romanian (Romania)
- Russian (Russia)
- Serbian (Cyrillic, Serbia)
- Sinhala (Sri Lanka)
- Slovak (Slovakia)
- Slovenian (Slovenia)
- Spanish (Spain)
- Spanish (United States)
- Swahili (Tanzania)
- Swedish (Sweden)
- Tamil (India)
- Telugu (India)
- Thai (Thailand)
- Turkish (Turkey)
- Ukrainian (Ukraine)
- Urdu (Pakistan)
- Vietnamese (Vietnam)

ENVIRONMENTAL

- IP52 dust/water resistance
- Operating ambient temperature: -10° to 55°C (14° to 113°F)
- Storage temperature: -20° to 75° C (-4° to 131° F)
- Relative humidity: 5% to 95% noncondensing

FINNEY™ PRODUCT CARE

With FINNEY™, SIRIN LABS have created a phone built and crafted from top-quality durable materials. However, in order to ensure the continued excellent condition of your FINNEY, it is essential that you treat the product with care.

General

- Avoid dropping the phone, especially on a hard surface
- Keep the phone free of dirt and dust
- Do not mishandle or abuse the phone
- Do not allow the phone surface to come into contact with sharp objects, such as knives, blades, keys, diamonds, and other jewelry
- Do not allow your FINNEY™ to come into contact with substances, such as solvents, basic and acid solutions, alkaline, acetones or salt water
- Do not try to remove the internal battery or memory cards
- Use the SIM tool provided in order to open the SIM tray