

Avalon Nano 3S Quick Start Guide

REV 1.0

2025-02-14



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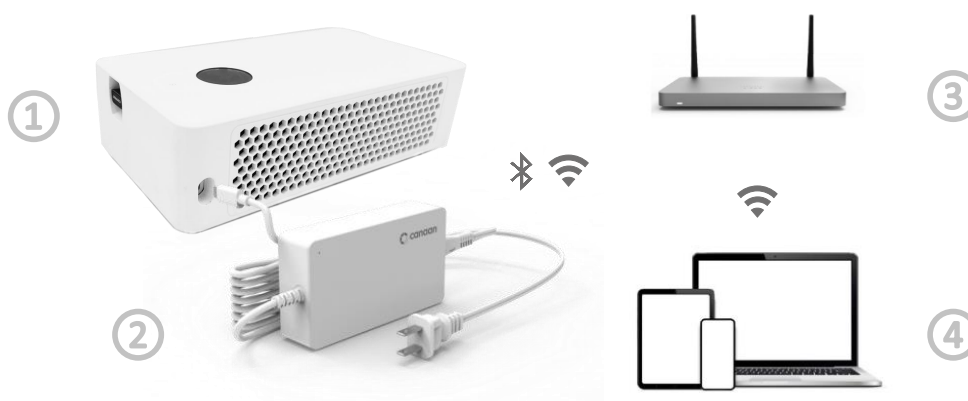
01 Avalon Nano 3S Preparation

Appearance Inspection

Please inspect the packing condition of the received Avalon Nano 3S before unpacking it.

Any damage found, please contact us directly at avalonsupport@canaan.io for further support.

Device Connection



① Avalon Nano 3S (Wi-Fi module included)

② Power Adapter

③ Network server (excluded)

④ Mobile phone or laptop (excluded)

Software Preparation

Mobile APP - Avalon Family (for Avalon Nano 3S's configuration and management)

Scan the QR code on the right to download and install Avalon Family from App Store or Google Play.

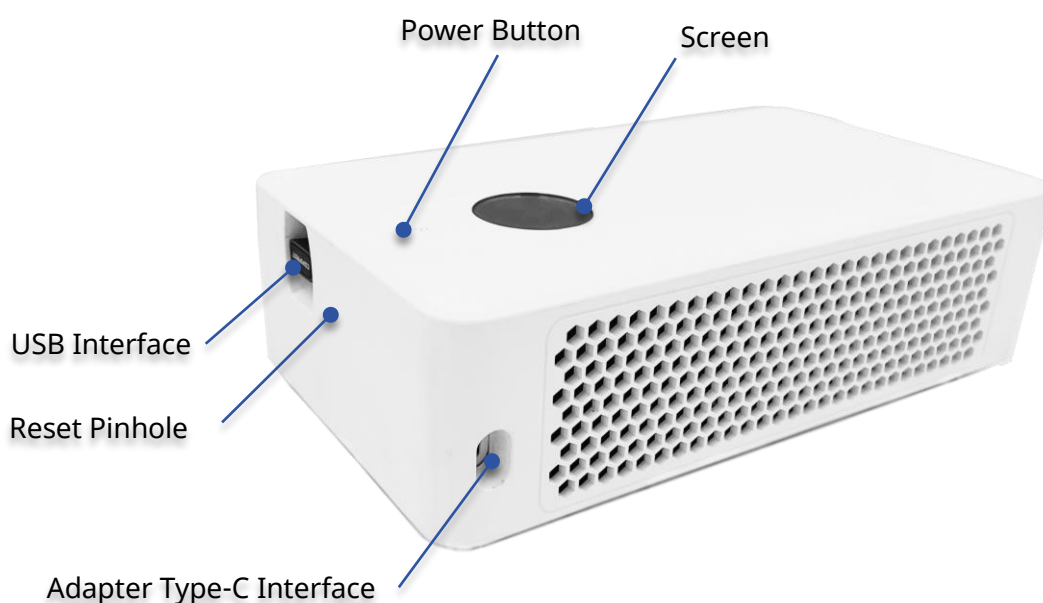


Avalon Nano 3S Startup

Before powering on, ensure the Wi-Fi module is in the USB interface.

Connect power adapter to adapter Type-C interface, then Avalon Nano 3S will automatically turn on after connecting the power.

If Avalon Nano 3S does not automatically turn on, press and hold Power Button for 2 seconds to turn it on manually.



Wi-Fi Module



Reset PIN

Note

The Wi-Fi Module is in the package box of *Documents Wi-Fi Module*

Quickly press reset button inside pinhole to reconfigure network.

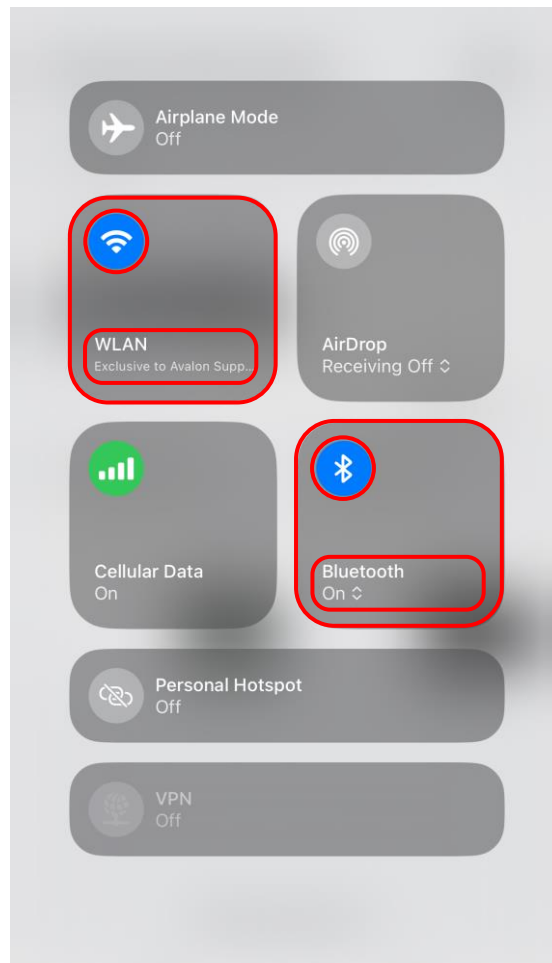
Press reset button inside pinhole for 5 seconds to restore factory settings.

The reset pin or a paperclip can be used as the reset tool.

02 Avalon Nano 3S Configuration and Management- Mobile

Avalon Nano 3S Network configuration – Mobile

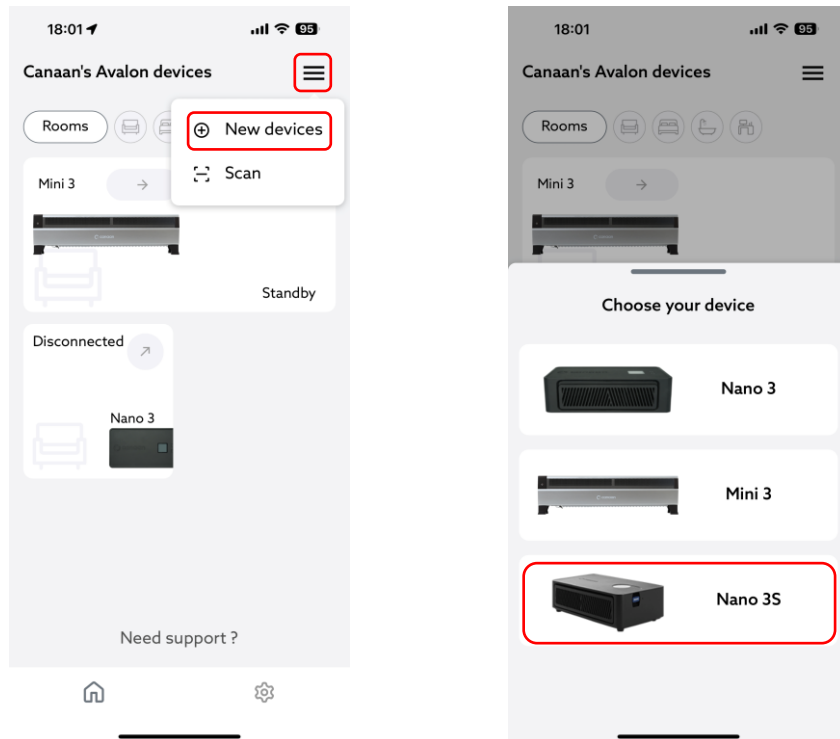
Open mobile phone settings, turn on Bluetooth, and connect the phone to the Wi-Fi that the Avalon Nano 3S needs to connect to. (The wireless network should be 2.4GHz Wi-Fi.)



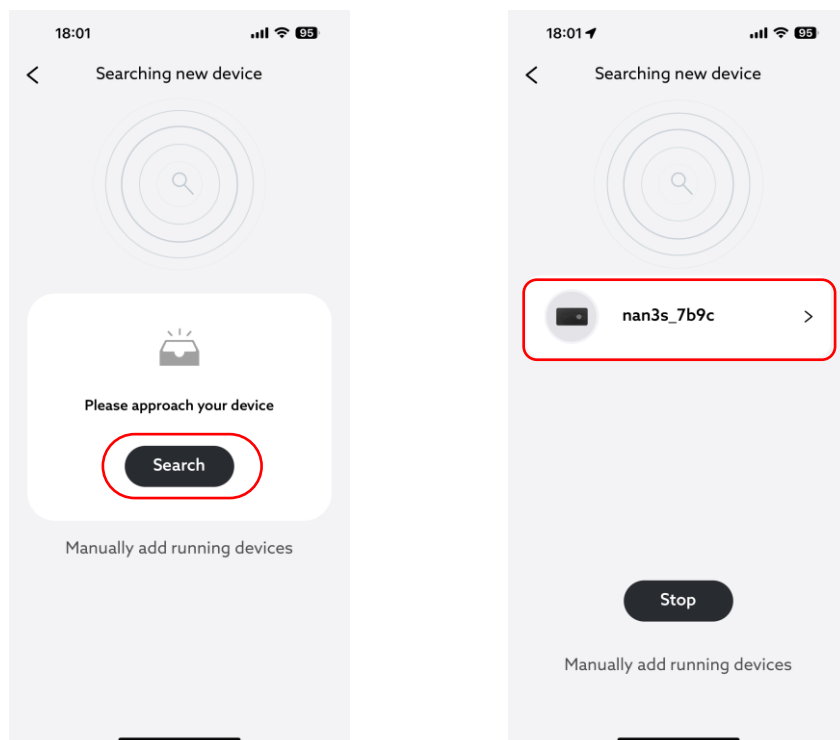
Note

The steps presented on iOS devices. Android devices have slight differences but share the same steps.

Open the Mobile APP - Avalon Family, click “≡” on the right corner, and click “New devices”, then select “Nano 3S”.

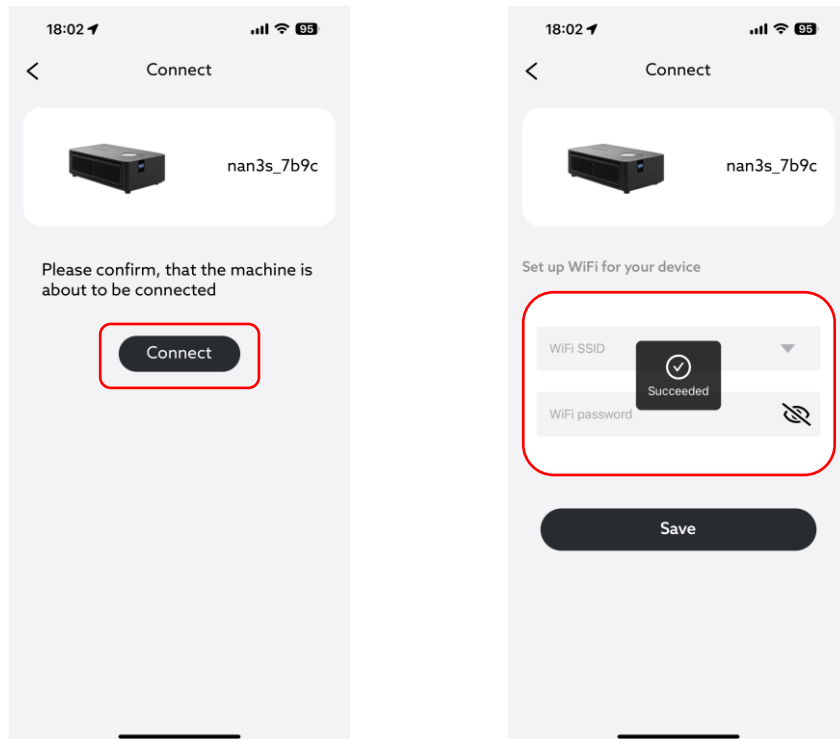


Click “Search”, then select “nano3s_xxxx” to connect.

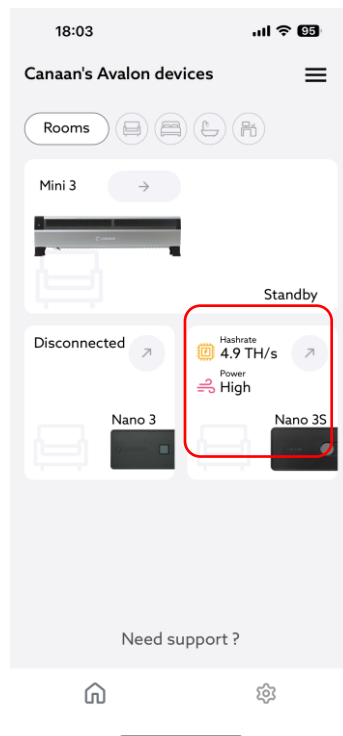


Tips: Put the mobile phone close to Avalon Nano 3S for quick search and connection, and if there are multiple Nano 3s to configure, please insert the Wi-Fi module one by one.

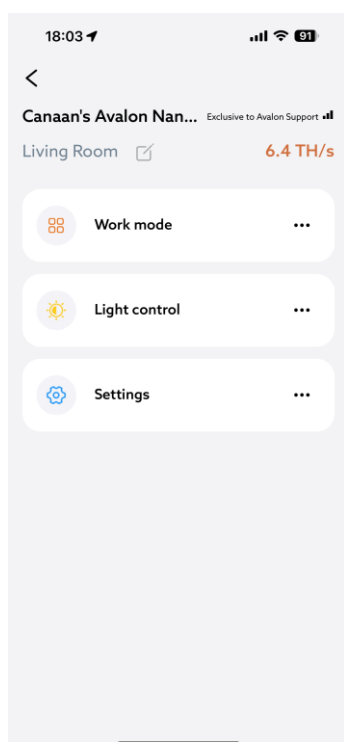
Click the “connect” button, select Wi-Fi SSID, enter Wi-Fi password, and click “Save” button, then Avalon Nano 3S will start connecting to Wi-Fi.



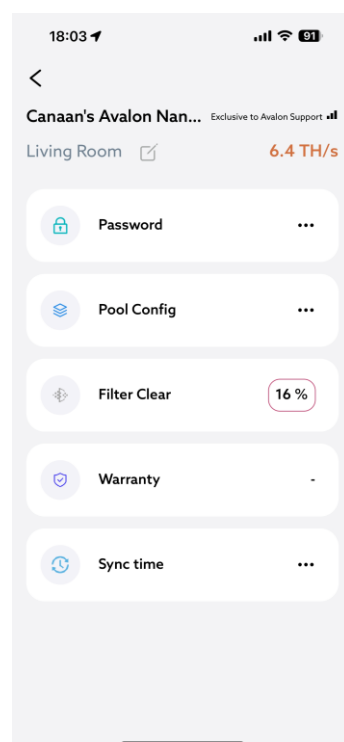
Once Avalon Nano 3S is connected, it will appear on the homepage of Avalon Family APP, then Avalon Nano 3S can be managed by Avalon Family.



Avalon Nano 3S Management - Mobile



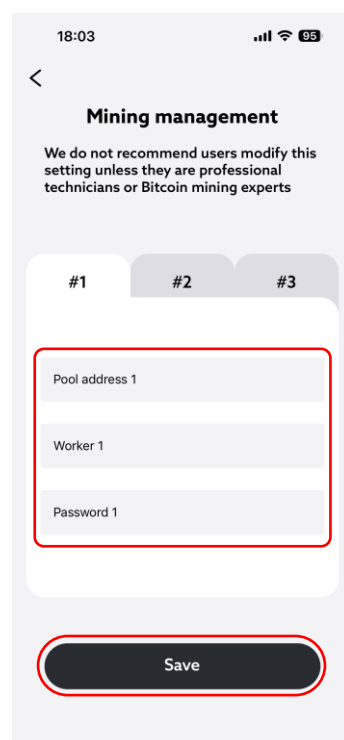
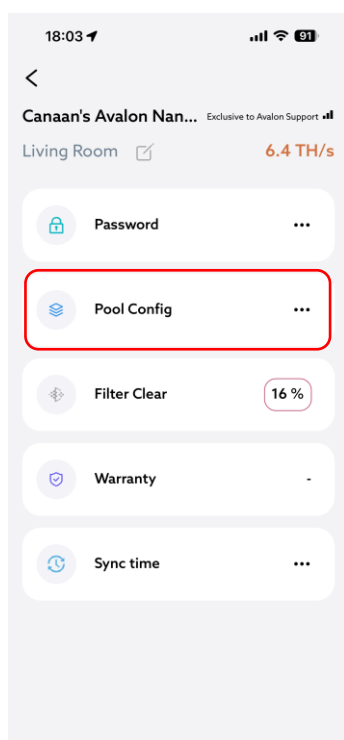
Basic Operation of Avalon Nano 3S



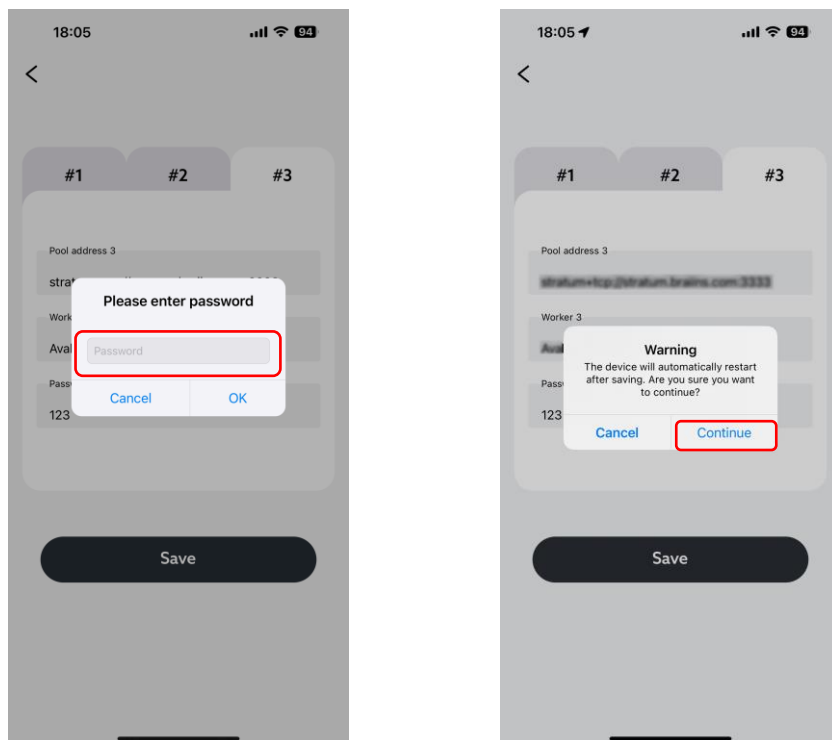
Settings of Avalon Nano 3S

03 Avalon Nano 3S Mining Pool Configuration - Mobile

Click "Pool Config", enter the pool addresses, worker name and passwords, then click "Save" button.

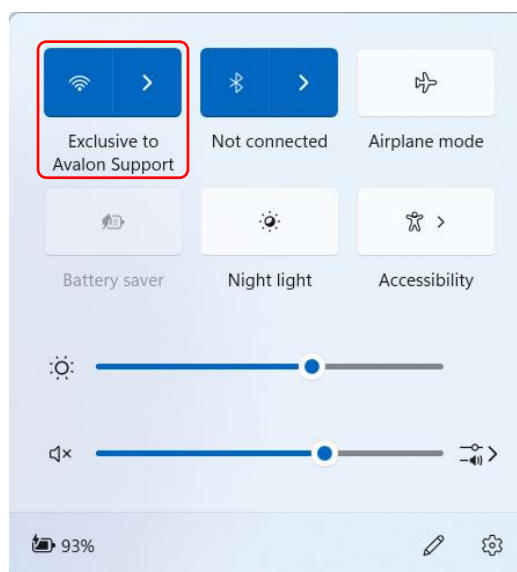


When it prompts “Please enter password”, please enter the password (The default password: admin), then click “Continue”. After mining pool configuration, the device will automatically restart to apply the change.



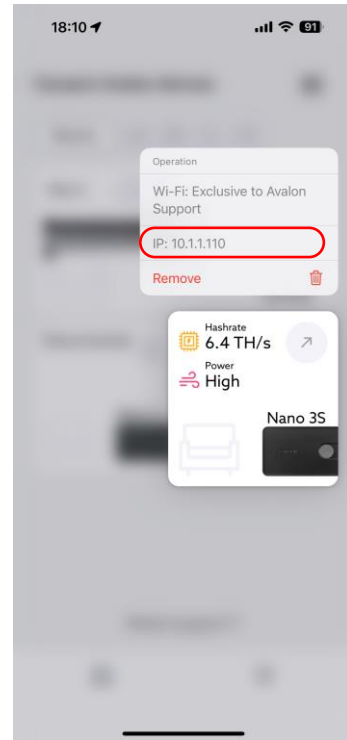
04 Avalon Nano 3S Management – Laptop

Connect the laptop to the Wi-Fi network that Nano 3S’s already connected.

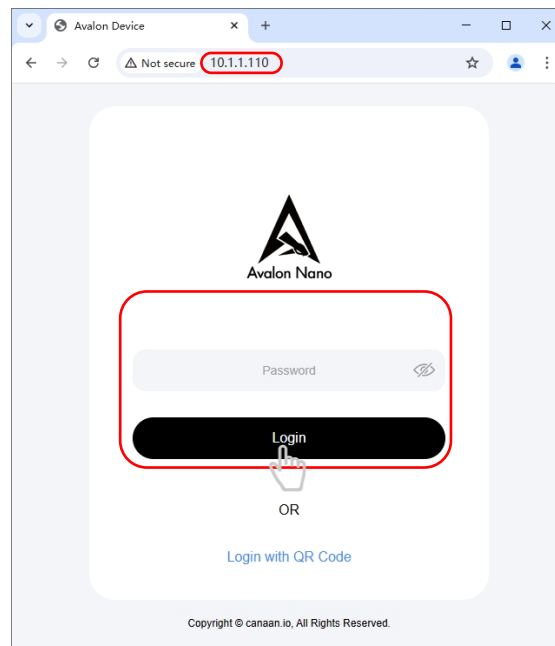


Laptop's Wi-Fi network

Enter Avalon Nano 3S's IP address in the browser's address bar into its login web page, (Long press Nano 3S's icon of Avalon Family, it will prompt its IP address).



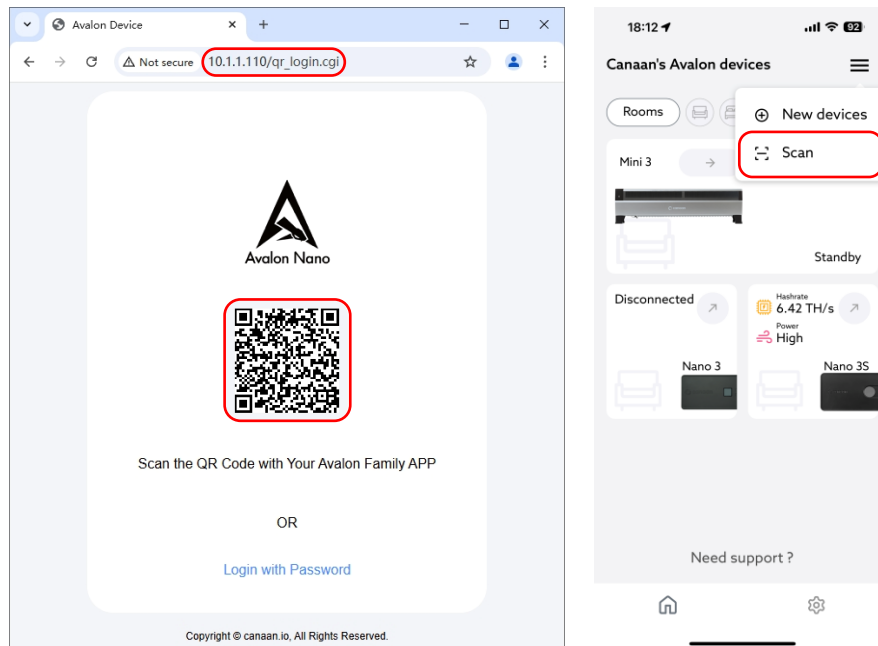
Login Method 1: Login with password.



The default password: admin

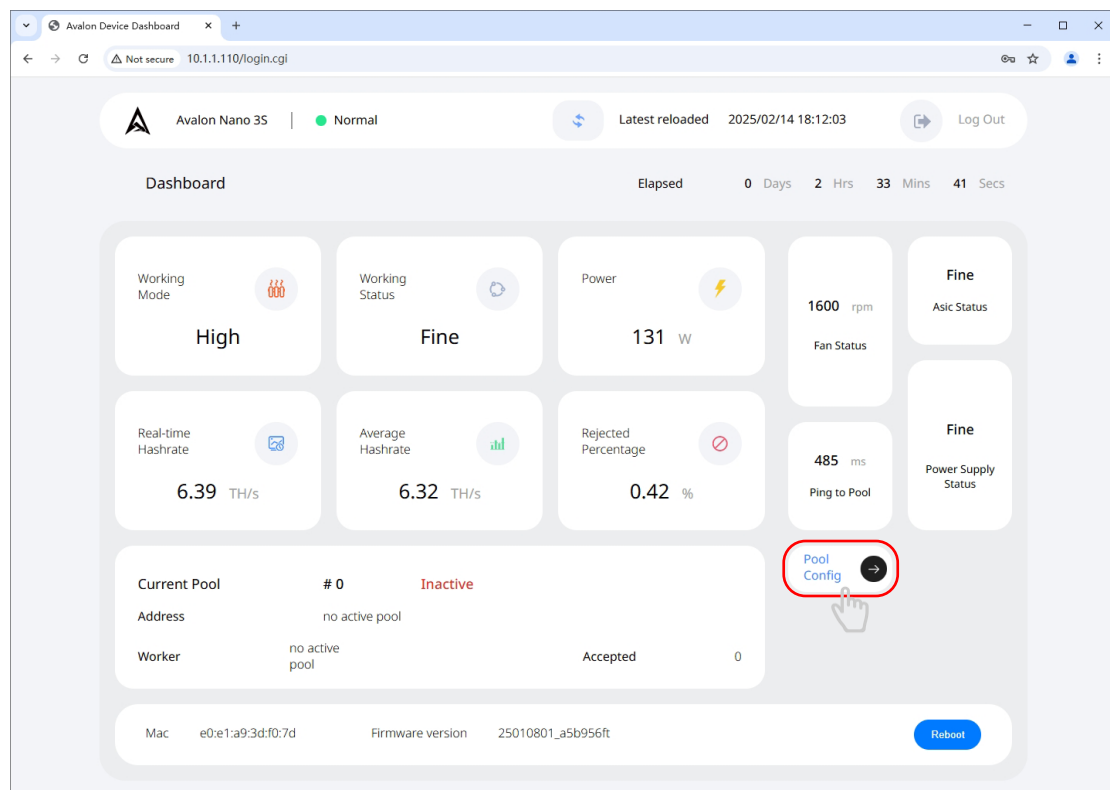
Login Method 2: Login with QR code scan.

Open Avalon Family, click “≡”, then click “Scan” to scan the QR code to login.

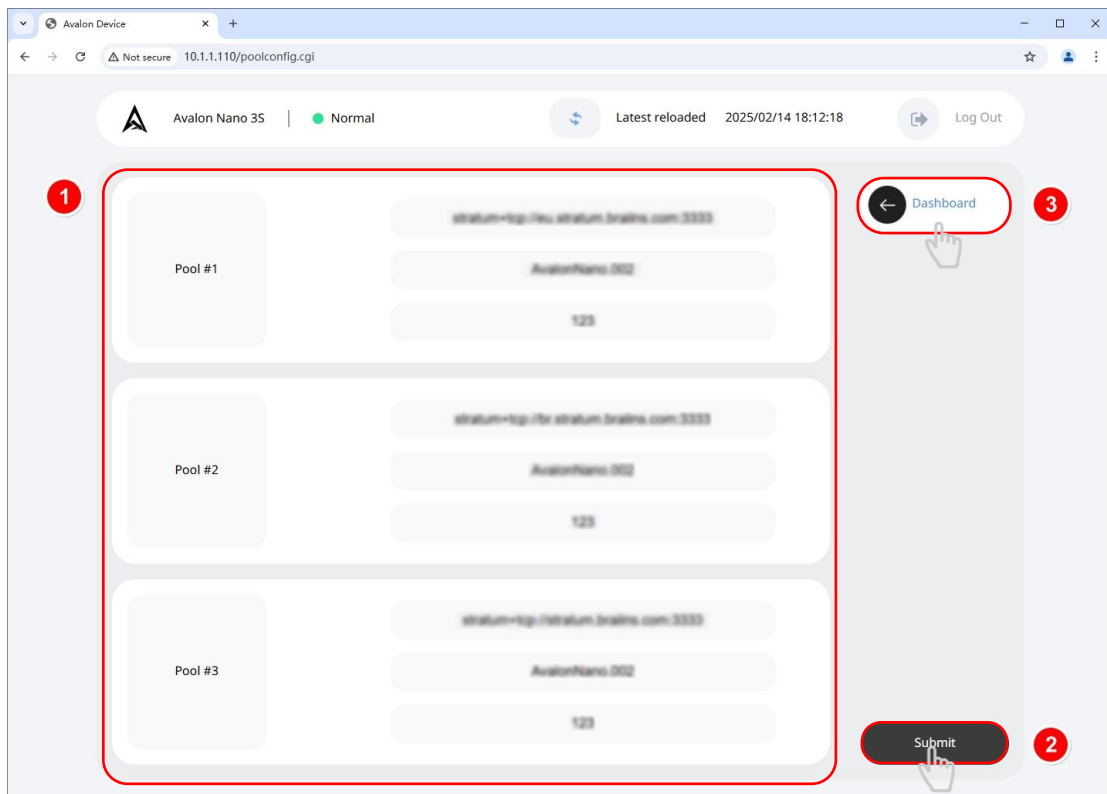


05 Avalon Nano 3S Mining Pool Configuration – Laptop

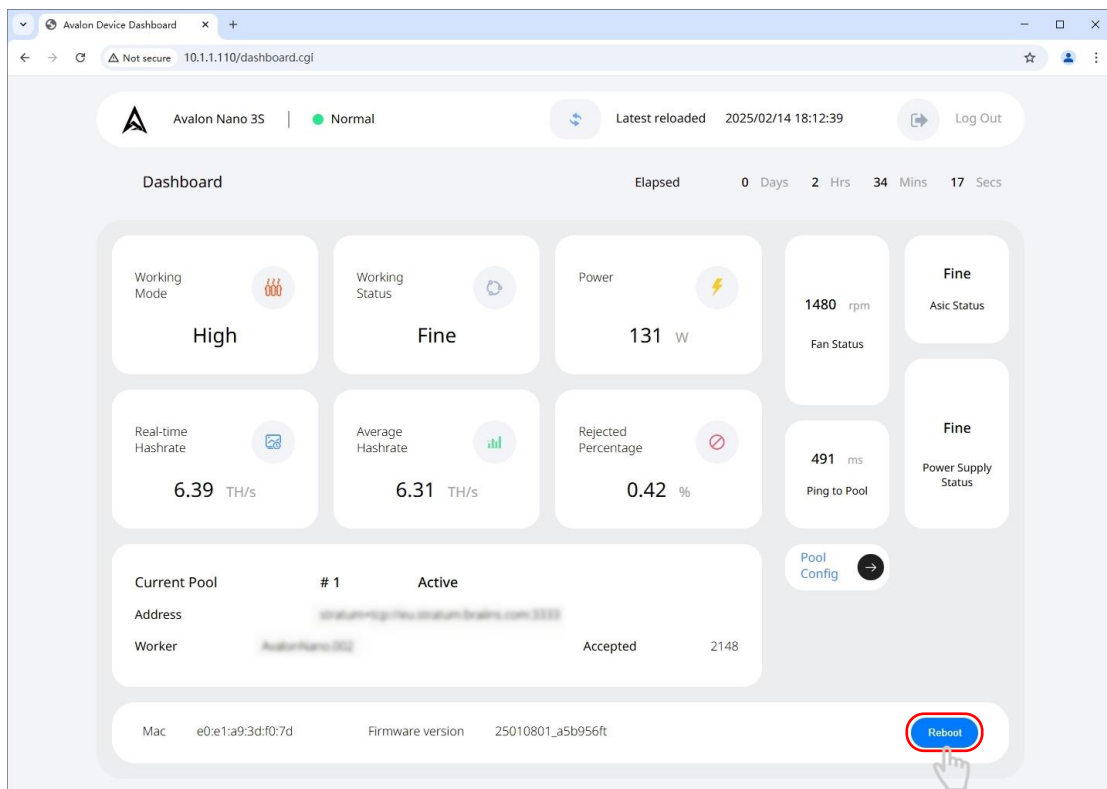
Login Nano 3S’s management web page, click “Pool Config” button to configure its mining pools.



Enter all the three pool addresses, worker names and passwords, then click “Submit” button, click “Dashboard” to return to the main page.



On the main page, click “Reboot” button to apply the mining pool configuration.



06 After-Sales Support

If you have questions regarding Avalon Nano 3S, please contact us directly for further information.

Website: <https://support.canaan.io>

Email: avalonsupport@canaan.io

Disclaimer

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