



ALPON X4

SEC1004

Product Manual

Release Notes

Date	Version	Description
Oct 11, 2024	1.0	First Release

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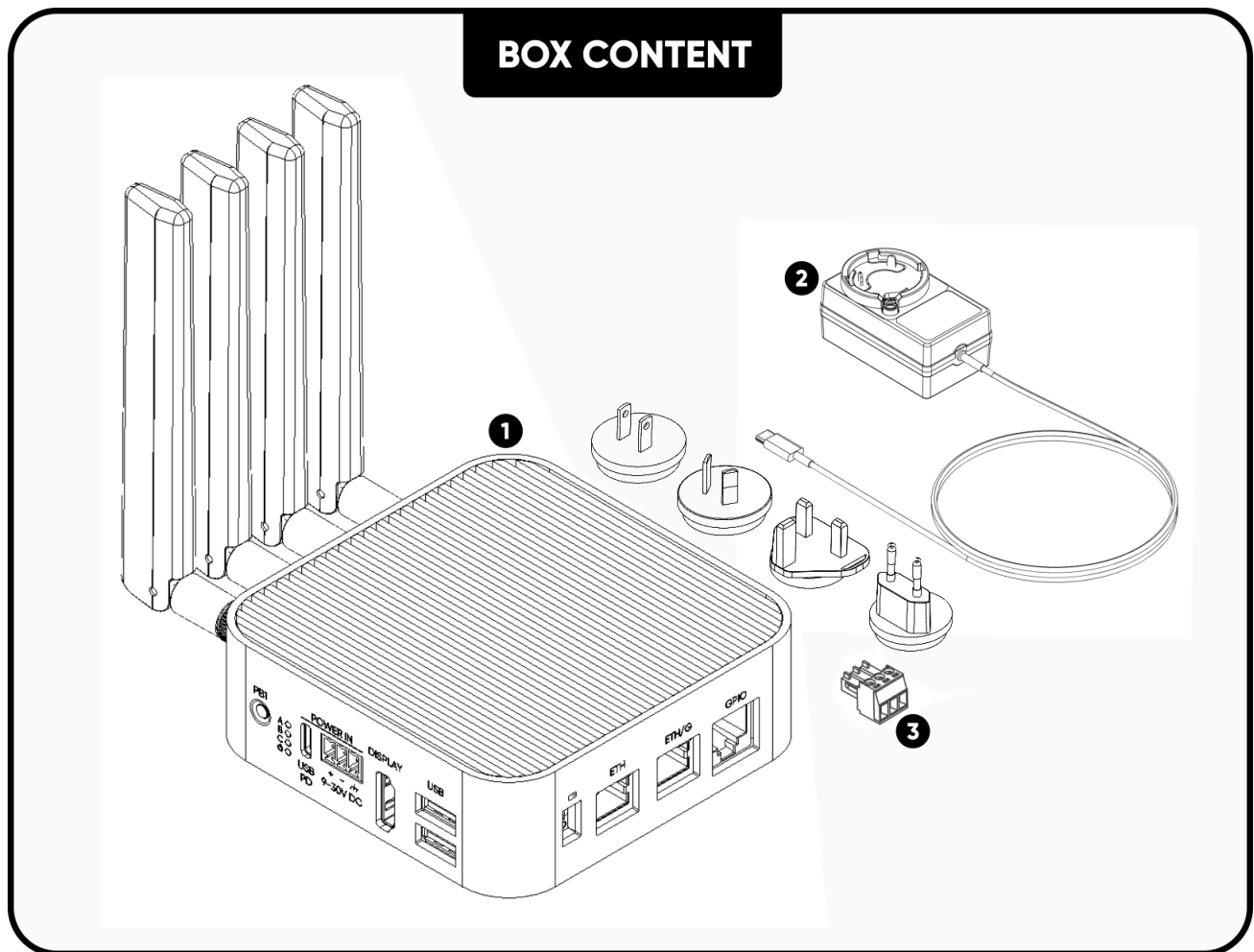
1. Getting Started

Quickly set up your ALPON X4 with our easy-to-follow guide. Get your device connected and ready to use in just a few simple steps.

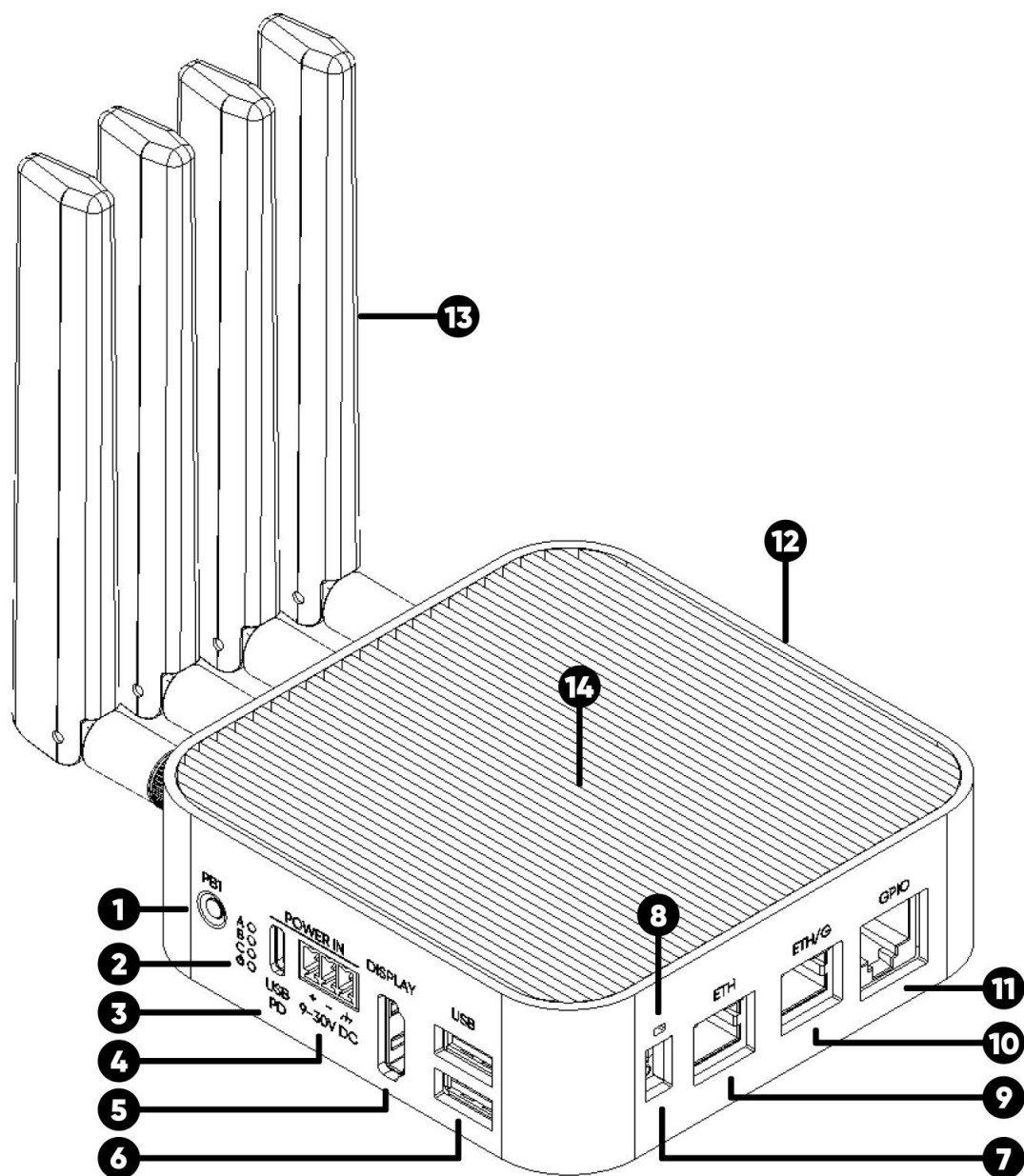
Box Content

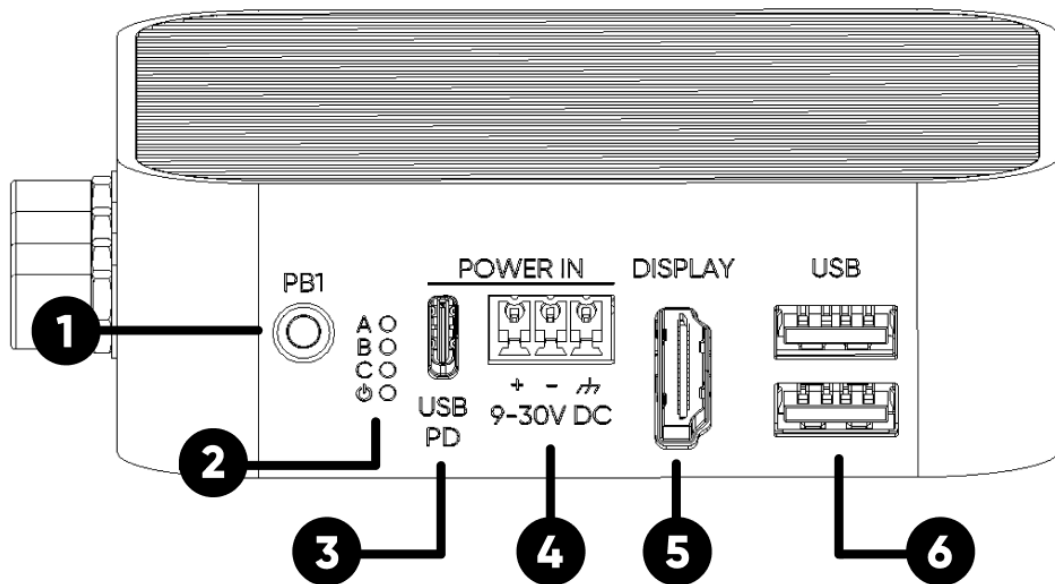
1. ALPON X4 Micro Edge Computer
2. USB Type-C Power Adaptor (27W PD) with Plug Adapters (x4)
3. Screw Terminal Block

Please note that contents may vary by product variant, including differences in RAM, storage, PoE availability, and Wi-Fi features.

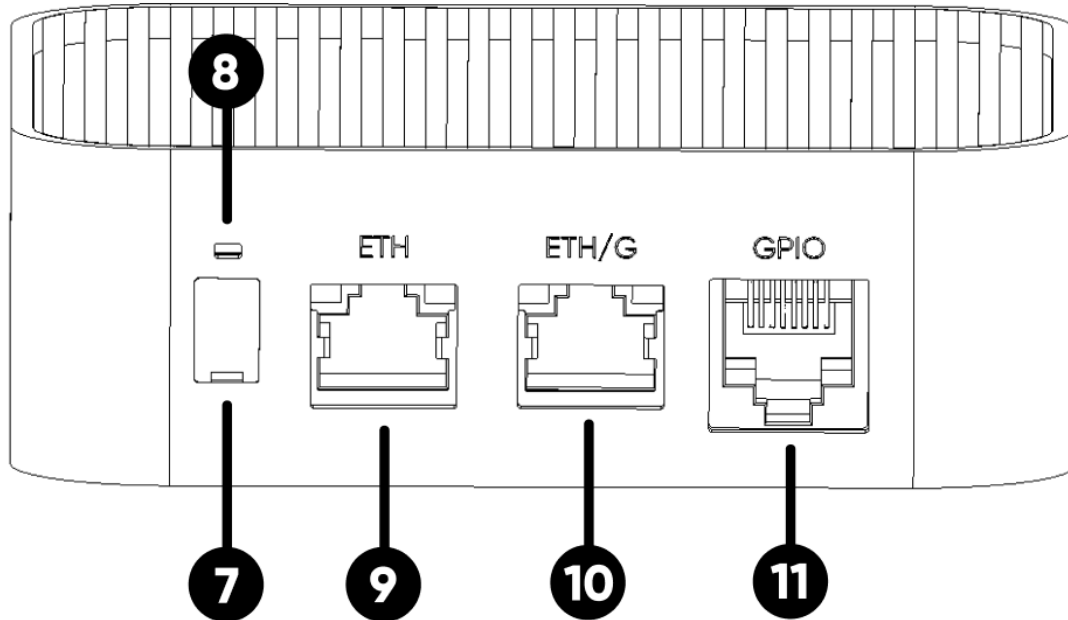


Layout





1. User Programmable Push Button (PB1)
2. 4x LED
3. USB Type-C PD Power Input
4. Screw Terminal Power Input (9-30V DC)
5. Display (HDMI 2.0 port)
6. 2x USB 2.0 Port

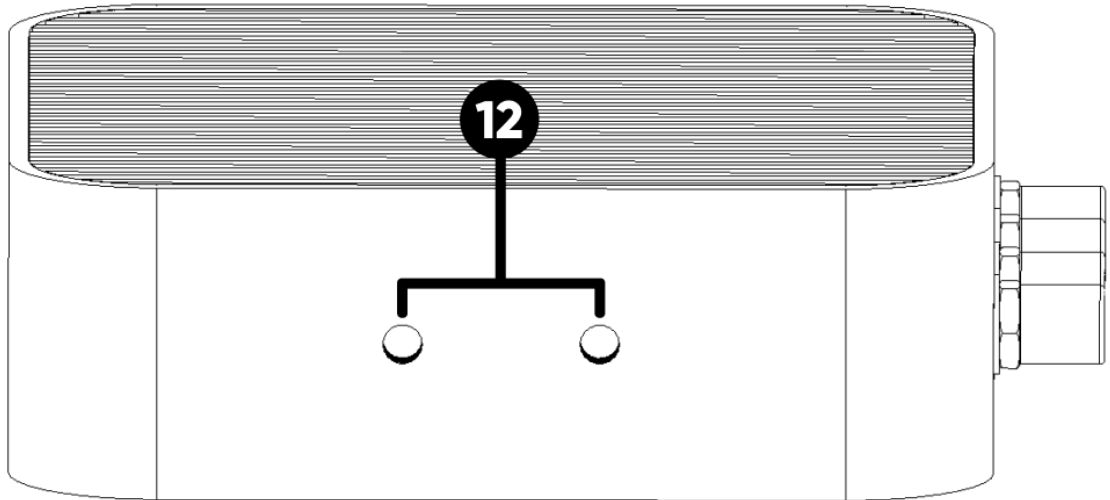


- 7. Watchdog, Boot/Burn Switches
- 8. Reset Button
- 9. 100 Mbps Ethernet Port
- 10. 1 Gbps Ethernet Port*
- 11. GPIO Port

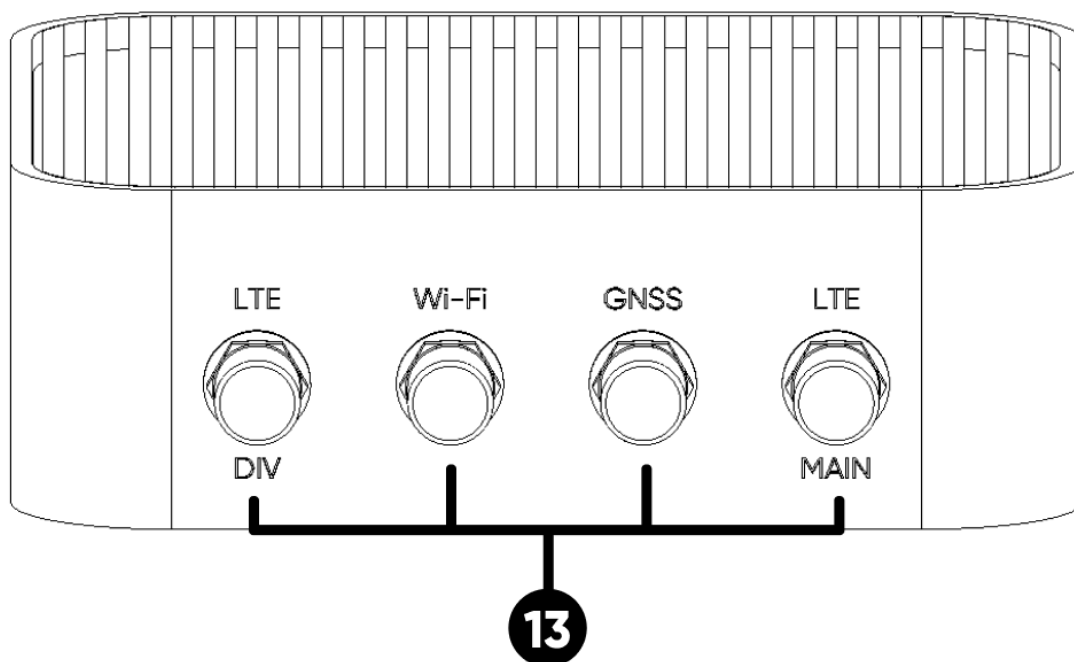
*In some variants, the **PoE** port replaces the **ETH/G** port.

12. Mounting Hole

Our product features 2x 4mm mounting holes. For industrial applications, these can be used to attach the device to a DIN rail with the appropriate accessories. For other uses, such as wall mounting, the necessary accessories can be purchased, and these holes can be utilized for secure installation. For more details on mounting options, please refer to the [Accessories](#) page.



13. Antennas



On the side of the antennas, G is for GNSS, W is for Wi-Fi, and L (x2) is for LTE.

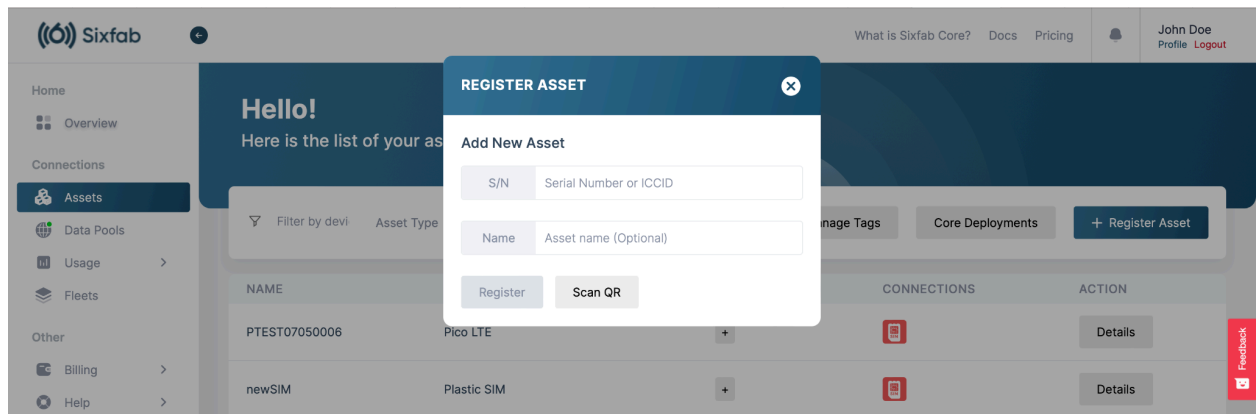
14. Passive Cooling Case

Device Registration

To begin using the device, registration can be completed through the Sixfab Connect platform.

1. Register Device

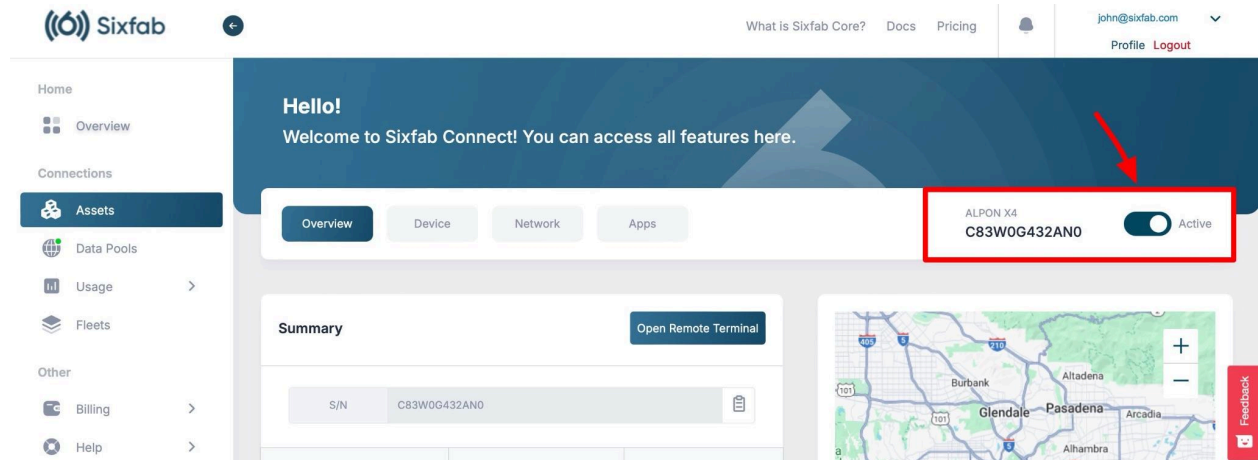
- Go to v2.connect.sixfab.dev and log in.
- Navigate to **"Assets -> Register Asset"**.



- Enter your ALPON X4's serial number.
- Complete the registration process by clicking the "Register" button.

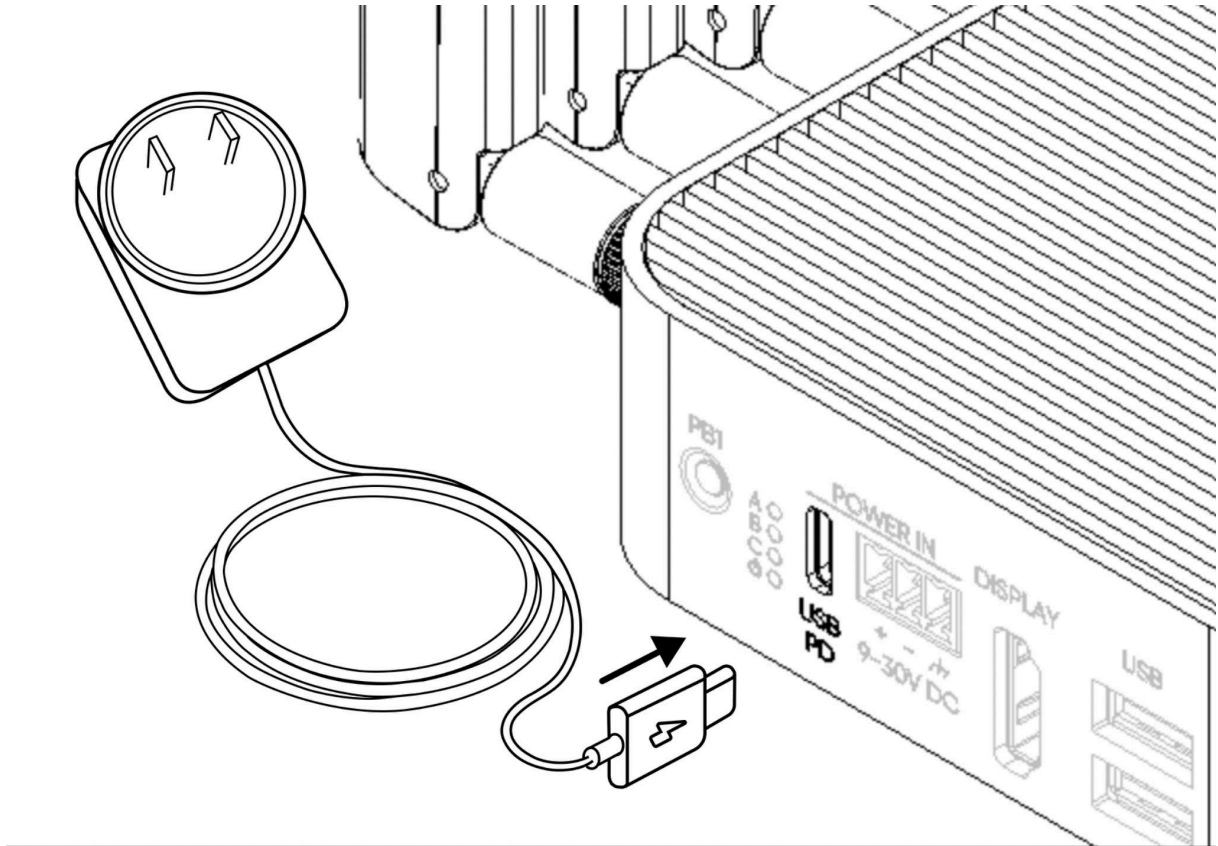
2. Activating the Asset

- After registering the asset, navigate to the **"Assets"** section on the Sixfab Connect platform.
- Locate the registered device in the list.
- Click the **"Details"** button for that asset.
- Find the toggle button in the top right corner and switch it to activate the asset.



3. Power Connection

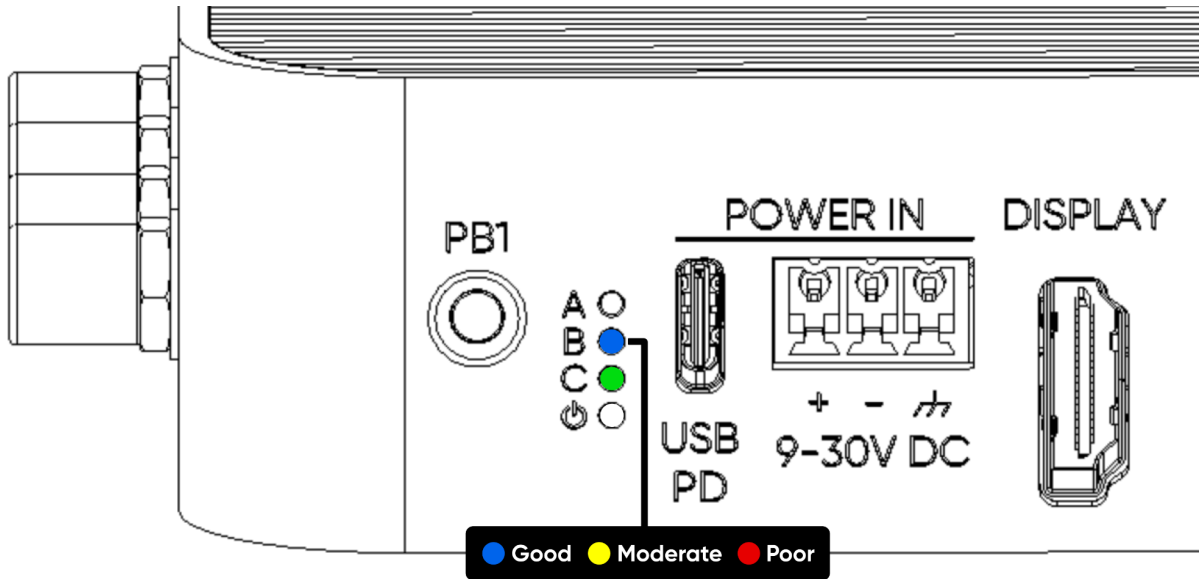
Plug in a 27W PD AC/DC Type-C power adapter. Wait for the device to power on.



For more information on the available power options for this device, please refer to the [Technical Details - Power](#) section.

4. Ready to Use

The system is now ready for use. When the "C" LED is green the device is now online, the "B" LED indicates the cellular status. For more detailed information about the LEDs, please refer to the [Technical Details -> LEDs](#) section.



5. Device Update

After successfully registering your device, it is recommended to check for updates to ensure optimal performance.

- Log in to your Sixfab Connect account and navigate to the "Assets" section.
- Select your device from the list and go to the "Device" tab.
- In the "Device Maintenance" section, click the "Update Device" button.

Follow the prompts to install any updates to keep your device running with the latest features and improvements.

6. Application Deployment on ALPON X4

For optimal performance and scalability, we strongly recommend encapsulating your applications within Docker containers and managing them via the ALPON Cloud. This approach not only ensures the highest level of reliability but also facilitates seamless scaling. By using Docker containers, you isolate your application environment, streamline deployment processes, and enhance operational consistency across different devices.

By adopting this method, you benefit from:

- **Enhanced Reliability:** Containerized applications are less likely to interfere with one another, which significantly reduces the risk of system-wide failures.
- **Scalability:** Effortlessly scale your operations by managing multiple container instances across several devices without the need for extensive configuration adjustments.
- **Maintainability:** Simplify updates and maintenance with minimal disruption to your existing operations, ensuring continuous service availability.

We encourage you to leverage the ALPON platform's capabilities to maximize the effectiveness and efficiency of your application deployments.

After the device registration to deploy and manage your own application, go to the ["Manage & Deploy Applications"](#) page for instructions. This guide covers setting up and running container-based applications on the ALPON X4. Sixfab Field Application Engineers are always open to help you with your software containerization. Please contact if you need anything.

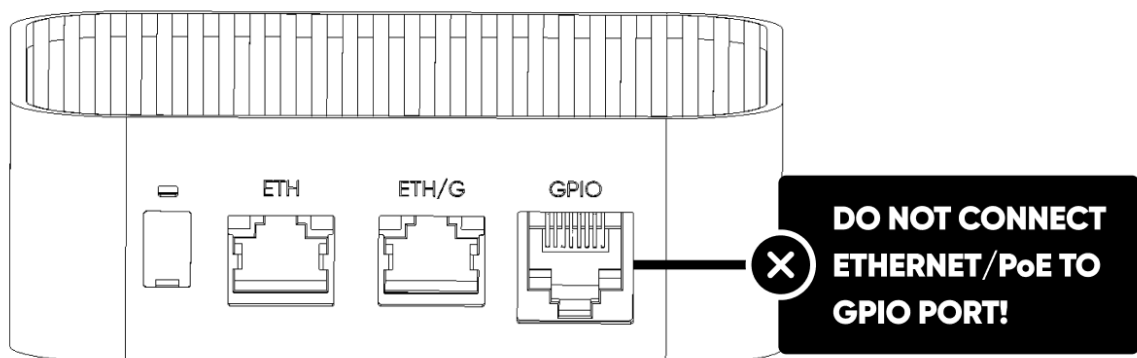
2. Safety & Usage Instructions

Simple guidelines for safe device operation, covering heat management, power options, antenna setup, and precautions to prevent damage or interference.

General

- The device may generate heat during operation. Therefore, refrain from touching the surface of the device when it is excessively hot or during extended periods of use. The heat emitted by the device can be harmful to users.
- Do not expose the device to extreme temperatures, humidity, or direct sunlight.
- Keep the device away from liquids and flammable materials.
- Avoid inserting any metal or conductive object into the device. Be careful not to damage electrical connections or components while using the device.

! Do not connect Ethernet/PoE to the GPIO Add-on port!



Power Management

- Any of the power options (DC 9-30V Power IN, USB Type-C PD Input, PoE) can be used in a plug-and-play.
- Do not supply power below 9V or above 30V from the terminal block. Ensure that the connected adapter provides at least 27W of power. When using long cables for DC power, prefer a 24V adapter and ensure the cable is thick enough to prevent voltage drop and safely handle the required current.

- If USB Type-C PD is used, the adapter must provide a minimum of 27W. The power adapter included in the box is recommended.
- The device is powered via USB Type-C using USB PD adapters that supply 15V. However, it is also designed to operate on 5V from a computer's USB port to flash images. Therefore, do not use standard 5V Type-C adapters or direct 5V USB outputs to power the device. These adapters typically provide a maximum of 15W, which is insufficient for optimal operation.
- Powering the device via PoE is only possible if the version includes a built-in PoE module, as the module cannot be added separately. The device supports the PoE+ (IEEE 802.3at) compliant. The power adapter must be PoE+ Class 4 (IEEE 802.3at) compliant. Other types of adapters are not supported and will not provide sufficient power for optimal device performance.

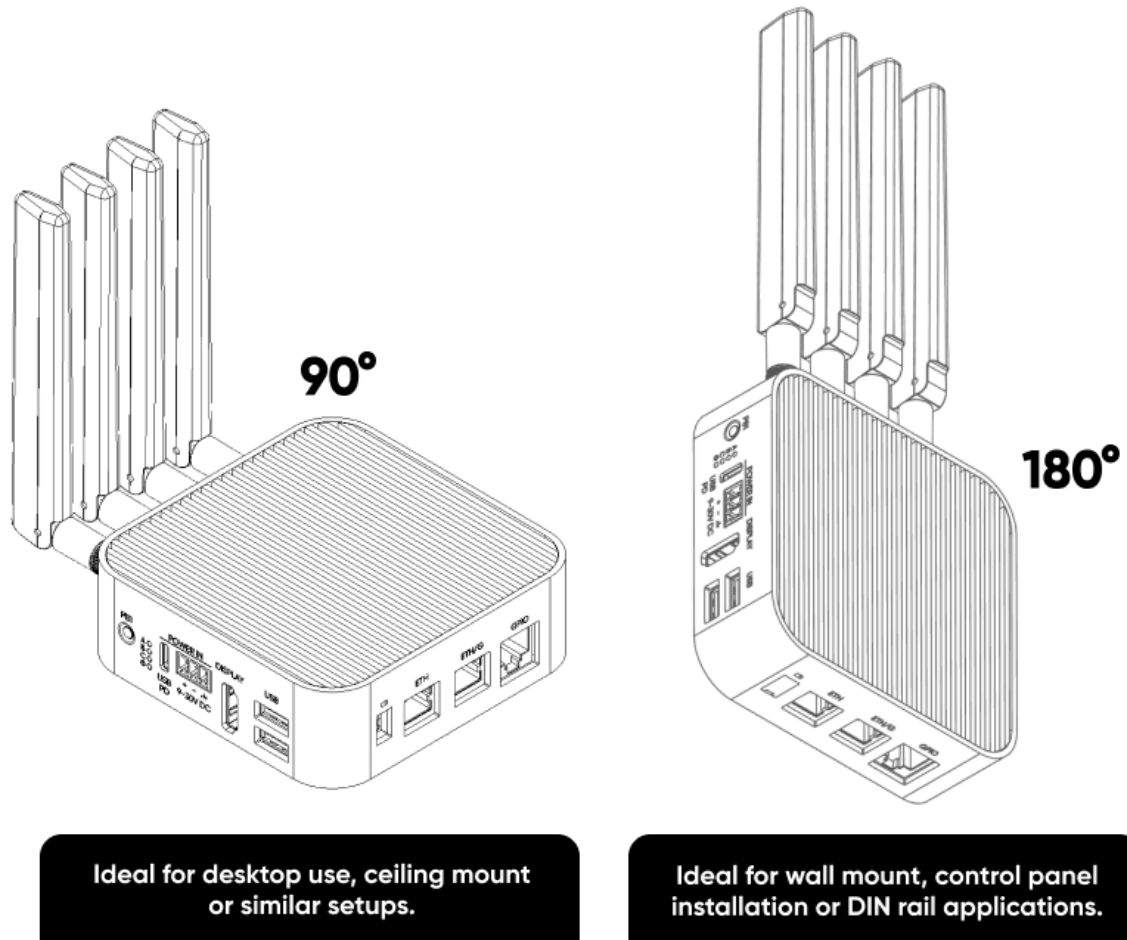
Thermal Safety

This device is designed to be fanless to avoid the need for maintenance over many years because fans can easily break. Therefore, there is no external or internal cooling fan. The device uses its top surface to cool the main processor and other components. The surface of the case increases heat transfer by allowing better airflow and cooling. For this reason, the following points must be considered when planning the mounting position and method.

- Never cover the cooling surface of the device or place anything on top of it.
- If mounting the device on a panel or wall, make sure nothing is touching the cooling surface.
- Do not place the device upside down on a table with the cooling surface facing down, as this may block ventilation.
- The device should be positioned in an upright position or with the cooling surface facing upwards whenever possible.
- It can be positioned with the cooling surface facing down, such as on a ceiling.
- Keep the device away from direct sources of heat and steam when mounting.

Antenna

- The antennas are designed to function effectively when positioned at either 90 or 180 degrees. For optimal device performance, it is important to position the GNSS, Wi-Fi, and Cellular antennas correctly.



- Ensure that the antennas are positioned in optimal locations and are not obstructed by metal or other barriers.
- Do not remove the antennas and connect them to different ports.
- To ensure effective signal reception, the GNSS antenna must be placed in an open area and positioned upright, with the top facing the sky.
- Since it can be dangerous, especially in high-power transmission systems, never work on antennas or related equipment while the device is open or operating.
- Always turn off and unplug equipment before connecting or disconnecting antennas to avoid electric shock or damage.

- Ensure all connections are tight but not over-tightened. Loose connections can cause signal loss or interference, while over-tightening can damage connectors.
- Be gentle with antennas and connectors to prevent physical damage.
- Check for wear, corrosion, or damage before reattaching the antennas. Replace damaged connectors.
- Keep antennas away from electromagnetic interference sources such as other electronic devices (microwave ovens, cordless phones, etc.).

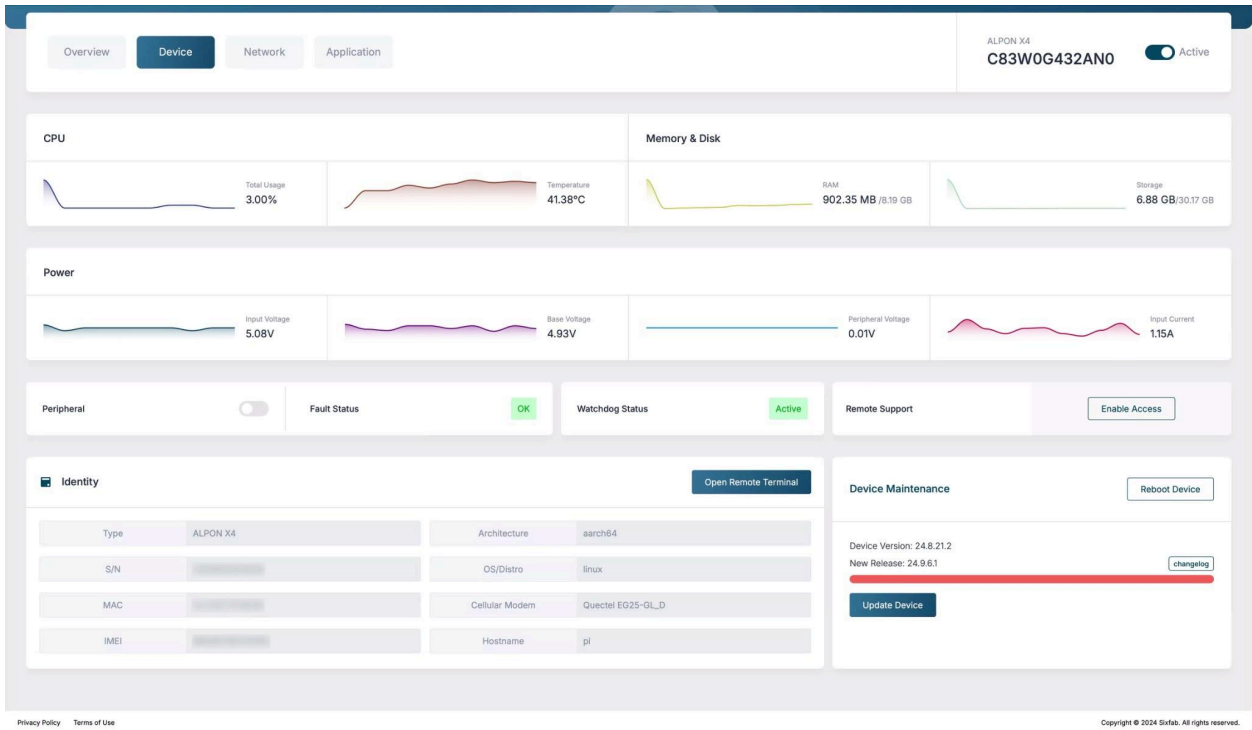
3. Monitoring & Configuration

Learn how to monitor and configure your ALPON X4 remotely using the Sixfab Connect platform. Manage performance and settings remotely with simple controls.

This section provides comprehensive guidance on how to monitor and configure your device using the ALPON X4's cloud-based management platform. The ALPON X4 can be remotely monitored and managed through the Sixfab Connect platform.

This cloud-based platform allows monitoring, network configuration and system management to ensure optimal operation. Features like bulk deployment and remote software management reduce on-site maintenance and support efficient, secure device performance.

Device Management



Device State

The current state of the device is monitored, including:

Asset Name	Double-click on the asset name to change it.
Active / Inactive Button	Allows the device to be toggled between active and inactive states.

CPU

Total Usage (%)	Displays the percentage of CPU usage.
Temperature (°C)	Shows the temperature of the CPU.

Memory Disk

Memory Usage (MB / Total MB)	Indicates the used and total memory in megabytes.
Storage Usage (GB / Total GB)	Shows the used and total disk storage in gigabytes.

Power

Input Voltage	Voltage is supplied to the device.
Base Voltage	Voltage for main components.
Peripheral Voltage	Voltage for connected peripherals.

Input Current	Current drawn by the device.
----------------------	------------------------------

Peripheral Management

Add-on Power On/Off

Add-on Fault Status*

*Under development

Watchdog

The status of the watchdog timer is monitored to ensure the device remains operational and automatically reboots if needed.

Remote Support

Enable Access Button	Generates and shares a remote support token with the support team for 10 days.
Disable Support Token	Disables the remote support token, ending access.

Identity

Detailed system information is available, including:

Asset Type	Device type.
S/N (Serial Number)	Unique identifier of the device.

MAC Address	Unique identifier of network interfaces.
IMEI No	International Mobile Equipment Identity number for cellular devices.
Architecture	System architecture (e.g., ARM or x86).
OS/Distro	Operating system or distribution version installed on the device.
Cellular Modem	Cellular modem used in the device.
Hostname	Network name assigned to the device.

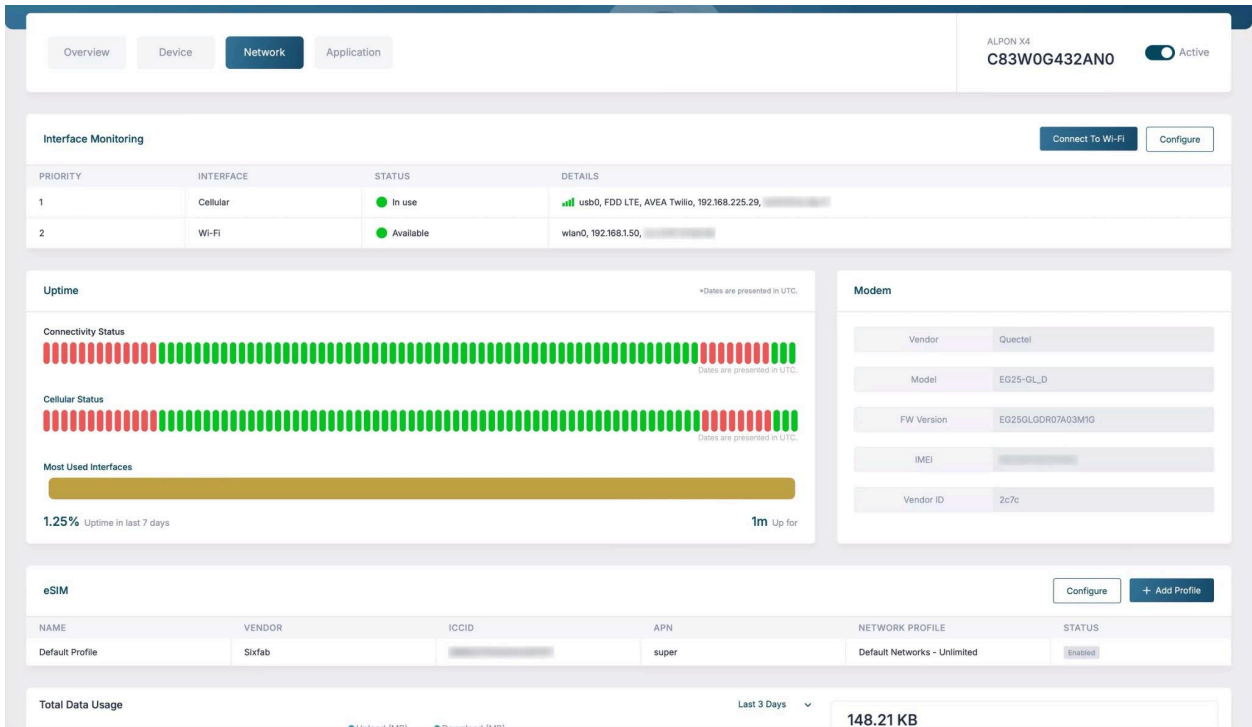
Remote Terminal

Edge Device Host Terminal	Single-click access to the edge device host terminal.
Container Terminal	Access the container terminal with a single click through Application → Containers → Actions

Device Maintenance

Device Version	Displays the version of the software bundle installed.
Update Device	Updates the ALPON software to the latest version.
Reboot Device	Reboots the device remotely.

Network Management



Interface Monitoring

Network interface priorities can be adjusted by dragging and dropping them into the desired order. Changes are applied by clicking the "Configure" button and saved by clicking the "Save" button.

Priority	Indicates the priority of each network interface (e.g., 1, 2, 3).
Interface	Specifies the type of interface (e.g., WiFi, Cellular, Ethernet).

Status	Displays whether the interface is "In Use" or "Available".
Details	Provides detailed information about each interface.

Connect to Wi-Fi

CONNECT TO WI-FI

Select a Wi-Fi network

Manually enter SSID

Sixfab

...

...

...

...

Previous

1 of 3

Next

Enter Password for selected network

Password

Connect

To connect your ALPON X4 to a Wi-Fi network, make sure the device is online in the Connect cloud platform. Click the "Connect to Wi-Fi" button, choose your Wi-Fi network, and enter the password. Then, click "Connect" and wait for the device to join the network. You can also manually enter the SSID and password if needed. Ensure the device is online while performing this process.

Uptime

Monitor the device's uptime over the past week to track its reliability and performance. The graph shows the device's operational status in 2-hour intervals, including:

%100 Operational	Times when the device was fully functional.
Partial Outage	Periods when the device experiences limited functionality.
Cellular Outage	Periods of lost cellular connectivity, preventing network communication.
Offline	Periods when the device was not operational.



Cellular Health: Check the health of the device’s cellular connection over the last week to ensure stable communication.

Most Used Interface: See which network interface was used the most in the last week.

Modem

Access detailed information about the modem, including its vendor, model, firmware version, and IMEI.

Vendor	Check the modem's vendor information.
Model	Identify the modem's specific model.
FW Version	See the current firmware version installed on the modem.
IMEI	View the modem's unique IMEI number.
Vendor ID	Access the vendor ID for further identification of the modem.

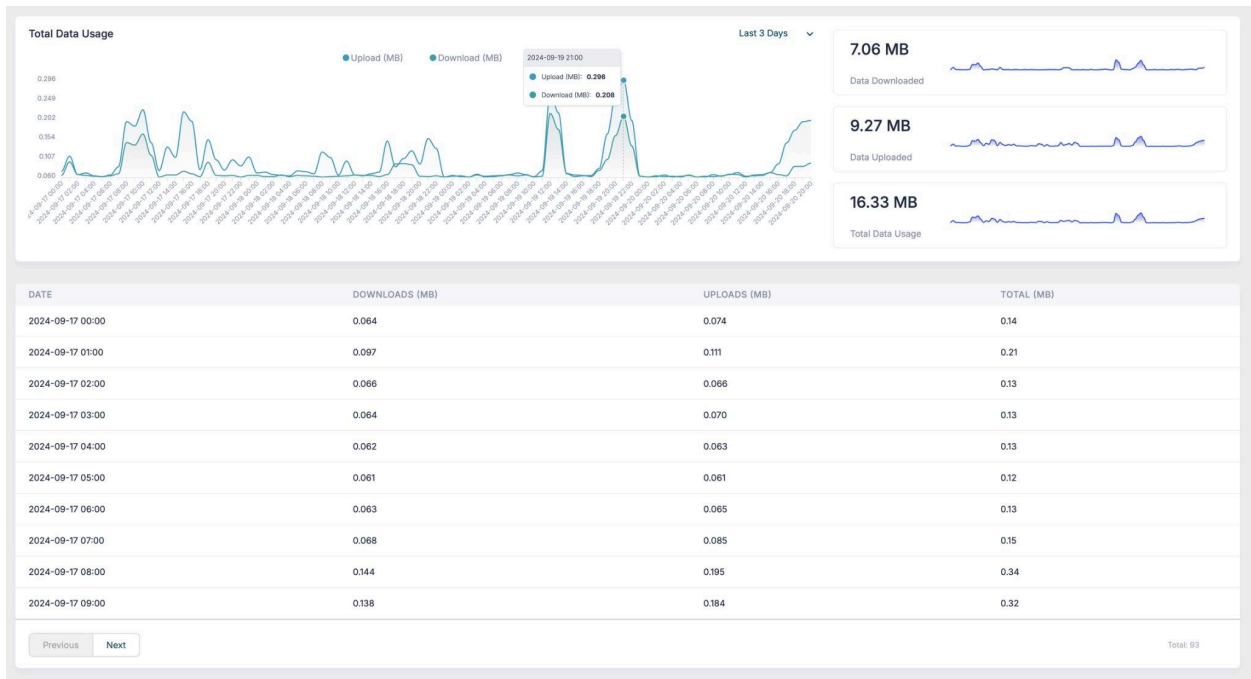
eSIM

Details about the eSIM can be viewed, APN and Network Profile settings can be configured, and new eSIM profiles can be added by clicking the **" + Add Profile "** button.

Name	Displays the name of the eSIM profile.
Vendor	Shows the provider of the eSIM.
ICCID	Displays the unique eSIM identifier.
APN	Configure the Access Point Name (APN) for network access.
Network Profile	Set up and manage network profile settings.
Status	Shows the current status of the eSIM profile.

Total Data Usage

The graph shows the amount of data used, including both downloaded and uploaded data, on an hourly basis. Data can be viewed for different periods. This graph shows data usage for the cellular interface only and does not account for data used over Wi-Fi or Ethernet connections.

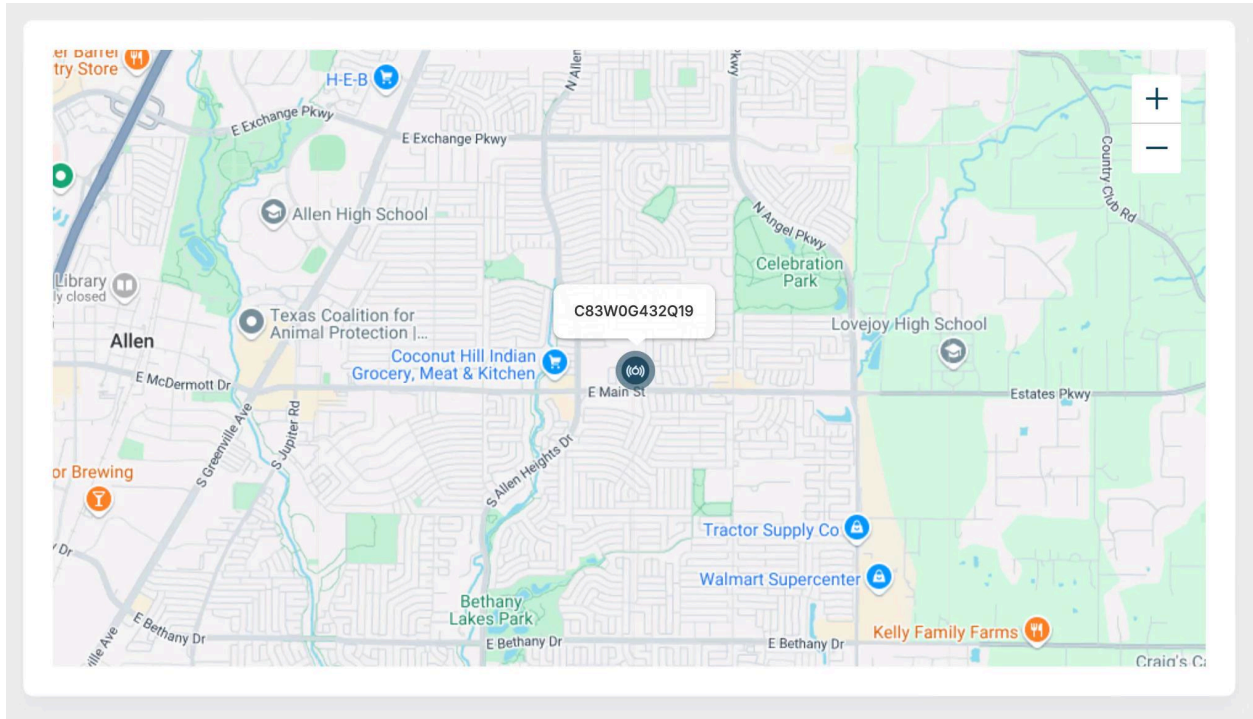


Metrics displayed:

Data Downloaded (MB)	Total downloaded data.
Data Uploaded (MB)	Total uploaded data.
Total Data Usage (MB)	Combined total of downloaded and uploaded data.

Device Location

Track the physical location of your ALPON X4 device through the ALPON Connect platform. This feature allows you to monitor where your devices are, ensuring they are in the correct locations. The location data is sent every 12 hours.



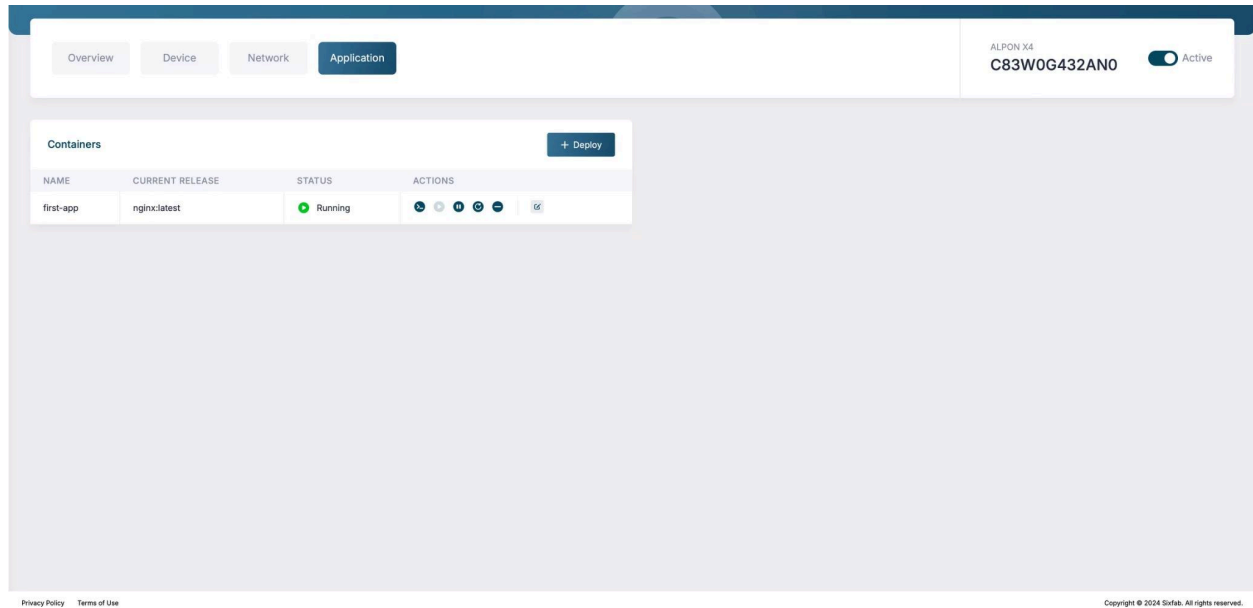
The map shows the device's location based on its GPS signal. If the GPS signal is weak or unavailable, the location is estimated using nearby cell towers, which may not always provide an accurate result. In areas with fewer or more distant towers, the estimated location could be further from the device's actual position. Please use this information as a general guide rather than an exact location.

Provisioning

Simple Provisioning with QR Code:

Easily set up your device by scanning a QR code. This quick process connects the device to the Sixfab Connect platform for easy monitoring and management.

App Management



For a straightforward guide on managing and running applications on your ALPON X4, check out our detailed ["Manage & Deploy Applications"](#) page. This guide will walk you through deploying your first container, accessing it, and managing it effectively. You'll find easy steps for using the Sixfab Connect cloud platform, including deploying containers without a registry, accessing them locally or remotely, and managing them from the cloud.

4. Manage & Deploy Applications

Learn how to easily manage and deploy applications on your ALPON X4 micro-edge computer using the Sixfab Connect platform. This guide provides a simple way to manage and run applications on the ALPON X4 micro-edge computer. The ALPON X4 uses the Sixfab Connect cloud platform to make working with apps easy. It supports container-based applications, helping users keep their apps running smoothly and without much effort.

Deploy the First Container (Without Registry)

Learn how to quickly run your first container on ALPON X4 using an example container. Follow the steps to set the name, map ports, and launch your app.

Go to the Applications tab of your asset and click on **"+ Deploy"**.

DEPLOY CONTAINER ✕

Container Name

Image

Select

▼

Tag

Select

▼

☐ I would like to use my own container path

Environments

+ Add More

Ports

+ Add More

Volumes

+ Add More

Host Network

☐

Privileged


☐

+ Deploy

Container name: Assign a name to your application.

Image:

- Since we have not yet added any containers to the registry, the selection fields will be empty. For testing purposes, we will use a pre-configured test container.
- Check the box labeled "**I would like to use my own container path**". In the text fields that appear, type `nginx:latest` as the container path. This will pull the *nginx* container from the specified location.

DEPLOY CONTAINER 

Container Name

Image

☒ I would like to use my own container path

Environments: Add variables here to set them as environment variables inside the container (e.g., Key: `DATABASE_URL`, Value: `db_url`).

Ports: Map the ports your app will use.

- In the "From" field, enter `30800`. In the "To" field, enter `80`. This configuration will map port 80 inside the container to port `30800` on ALPON X4, allowing access through this port.

DEPLOY CONTAINER ✕

Container Name

Image

☒ I would like to use my own container path

Environments

[+ Add More](#)

Ports

From	To	
<input type="text" value="30800"/>	<input type="text" value="80"/>	
<p>+ Add More</p>		

- The valid port range is **30000-32767**.

Volumes: Link a directory or file inside the container to one on the ALPON X4 device. This allows file interactions without restarting the container. [Learn more about Docker volumes.](#)

Host Network: Allows the container to use the host device's network system instead of its own. [Learn more about Docker networking.](#)

Privileged: Grants the container root access to all devices on the host system. [Learn more about privileged containers.](#)

Deploy Container:

- Before clicking “+ Deploy” review the setup to ensure that all fields are filled in correctly. The screen should look like this:

DEPLOY CONTAINER ✕

Container Name

Image

☒ I would like to use my own container path

Environments
[+ Add More](#)

Ports
From To 🗑
[+ Add More](#)


Volumes
[+ Add More](#)

Host Network ☐

Privileged ☐

[+ Deploy](#)

- Click “+ Deploy” to start the container on ALPON X4.



What is Sixfab Core? Docs Pricing john@sixfab.com Profile Logout

Home

Overview

Connections

Assets

Data Pools

Usage

Fleets

Other

Billing

Help

Dev Tools

API Keys

Hello!

Welcome to Sixfab Connect! You can access all features here.

Overview

Device

Network

Application

ALPON X4

C13W0G499AN0

Active

Containers

[+ Deploy](#)

NAME	CURRENT RELEASE	STATUS	ACTIONS
first-app	nginx:latest	Running	🔄 🛑 🗑 🔍

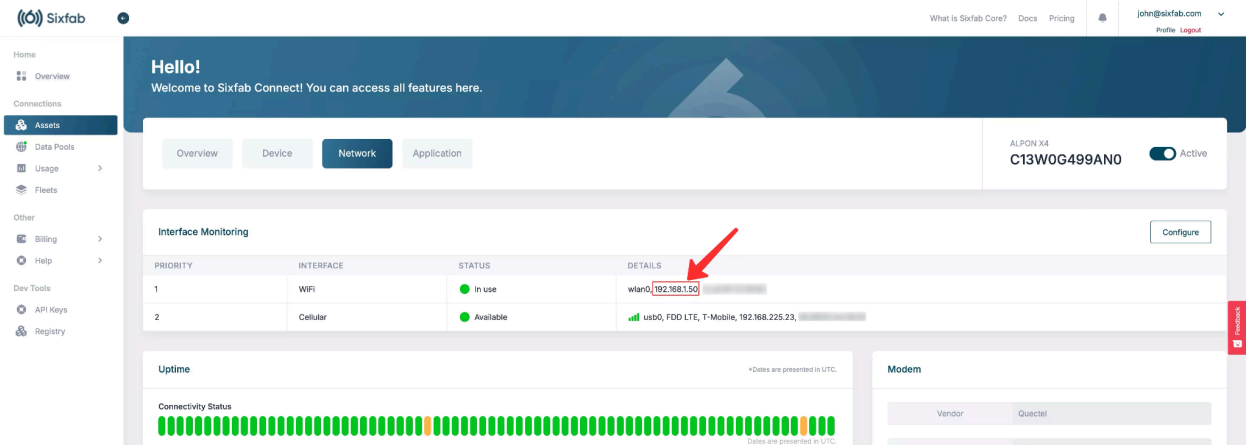
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Access to the Container

Access from Local Network

Get the IP Address: Find your device's IP address on the local network.

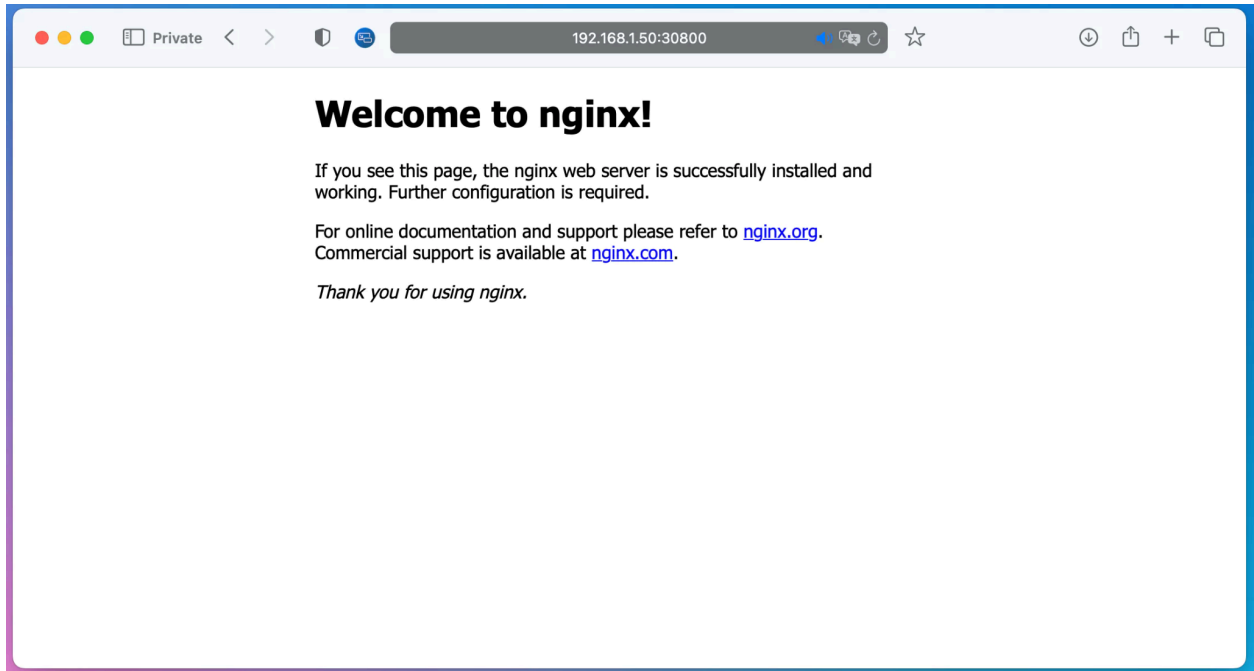


The screenshot shows the Sixfab Connect web interface. The left sidebar contains navigation links: Home, Overview, Connections, Assets, Data Pools, Usage, Fleets, Other, Billing, Help, Dev Tools, API Keys, and Registry. The main content area has a 'Hello!' message and a 'Welcome to Sixfab Connect! You can access all features here.' banner. Below this is a 'Network' tab with a table for 'Interface Monitoring'. The table has columns for Priority, Interface, Status, and Details. The first row shows Priority 1, Interface WiFi, Status 'In use', and Details 'wlan0 192.168.1.50'. A red arrow points to the IP address 192.168.1.50. The second row shows Priority 2, Interface Cellular, Status 'Available', and Details 'usb0, FDD LTE, T-Mobile, 192.168.225.23'. Below the table is an 'Uptime' section with a 'Connectivity Status' bar chart. On the right, there is a 'Modem' section with a 'Vendor' dropdown menu.

PRIORITY	INTERFACE	STATUS	DETAILS
1	WiFi	In use	wlan0 192.168.1.50
2	Cellular	Available	usb0, FDD LTE, T-Mobile, 192.168.225.23

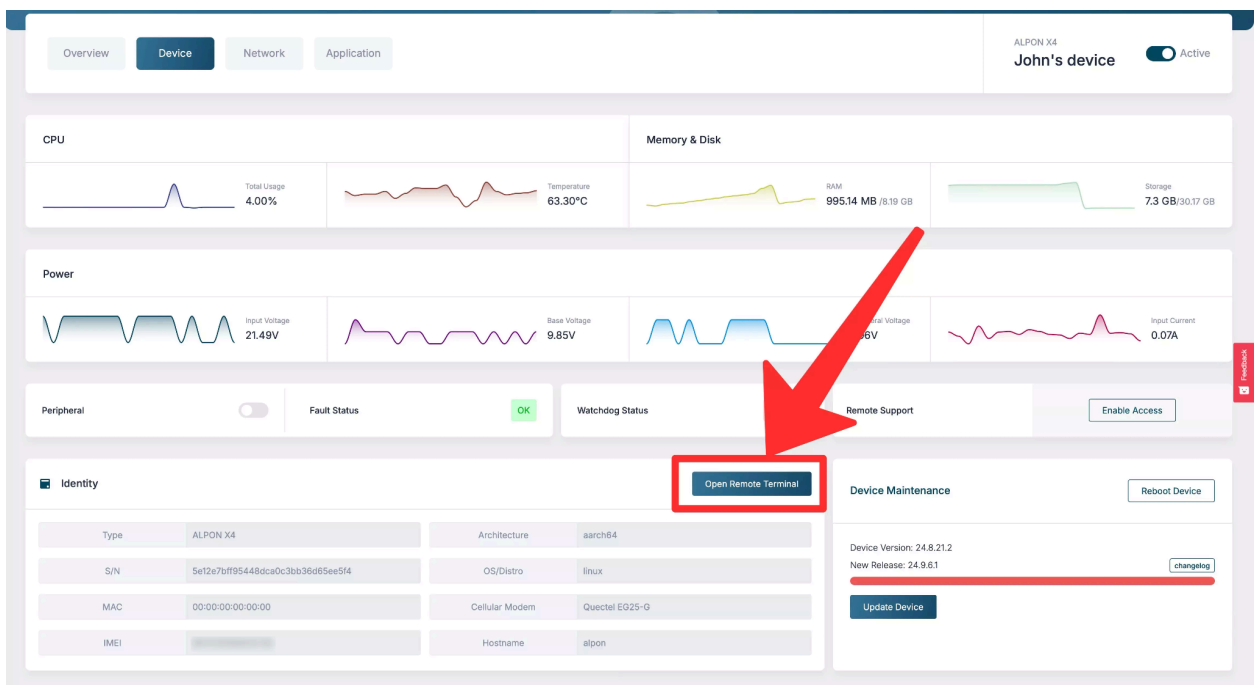
Access via Browser:

- Make sure your computer is connected to the same network as ALPON X4.
- In your computer's web browser, type `http://[Device_IP]:30800`, replacing [Device_IP] with the actual IP address of your device.
- If set up correctly, you should see the nginx welcome page.



Access Outside the Local Network via Remote Terminal

- If your device is not on the local network, go to the **"Device"** tab on the platform and click **"Open Remote Terminal"**.



- In the terminal, enter the following command to check the container's status:

```
curl http://127.0.0.1:30800
```

- If the container is running successfully, the output should look like the following:

```
root@alpon:~# curl http://127.0.0.1:30800
<!DOCTYPE html>
<html>
<head>
<title>Welcome to nginx!</title>
<style>
html { color-scheme: light dark; }
body { width: 35em; margin: 0 auto;
font-family: Tahoma, Verdana, Arial, sans-serif; }
</style>
</head>
<body>
<h1>Welcome to nginx!</h1>
<p>If you see this page, the nginx web server is successfully installed and
working. Further configuration is required.</p>

<p>For online documentation and support please refer to
<a href="http://nginx.org/">nginx.org</a>.<br/>
Commercial support is available at
<a href="http://nginx.com/">nginx.com</a>.</p>

<p><em>Thank you for using nginx.</em></p>
</body>
</html>
root@alpon:~#
```

Access via Monitor Connected to Device

- Connect a monitor to the ALPON X4 device. Open a web browser on the device and navigate to <http://127.0.0.1:30800>. This will allow you to access the container interface directly from the device.

Manage Containers

Once deployed, containers can be monitored and controlled directly from the cloud platform. Users can:

- View Status to check container performance.
- Open a remote terminal directly inside the container for direct command-line access
- Run, Pause, Restart, or Delete containers as needed.
- Edit Deployments to change settings or update images.

Containers

+ Deploy

NAME	CURRENT RELEASE	STATUS	ACTIONS
first-app	nginx:latest	<div><div></div>Running</div>	<div><div></div><div></div><div></div><div></div><div></div></div> <div></div>

These steps ensure efficient management of applications on ALPON X4, minimizing effort.

Start Container from Sixfab Registry

Push an Image

Install Necessary Tools:

- To push an image to the Sixfab registry, ensure that [Docker](#) and [Docker Buildx](#) are installed on your computer.
- Create a file named `Dockerfile` and insert the following code:

```
FROM nginx:stable-alpine
```

```
RUN echo "Test successful, actively running." > /usr/share/nginx/html/index.html
```

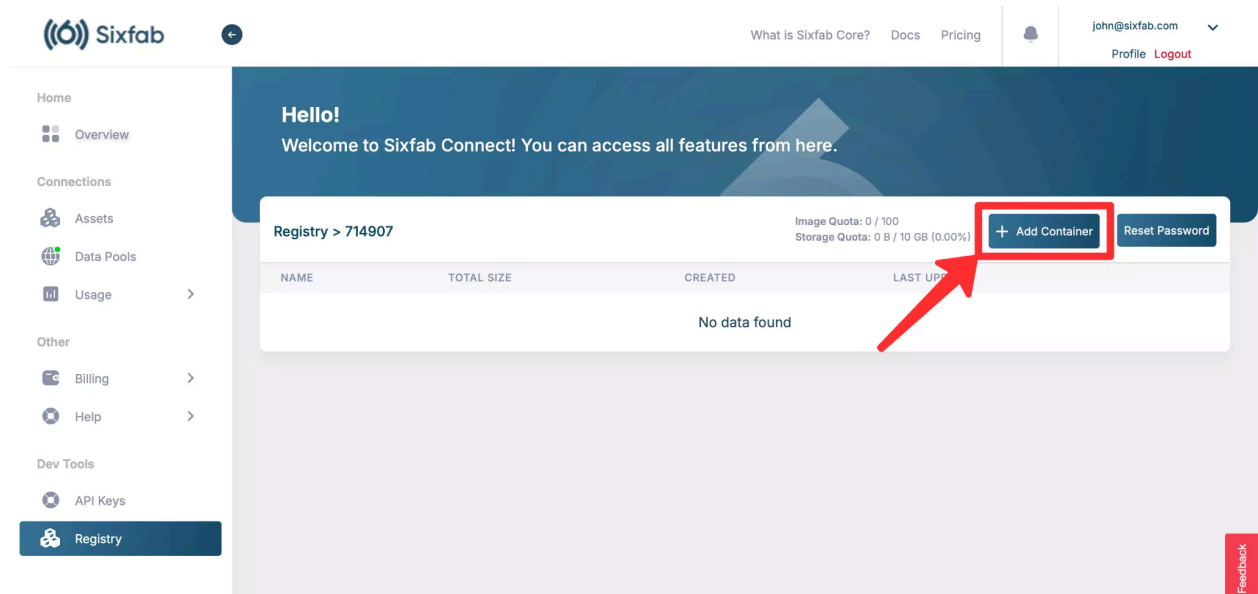
- The `Dockerfile` is edited by developers. For the Docker image to run on ALPON X4, it must be configured to be compatible with the ARM64 architecture. This is an example.

Build the Image: Open the terminal and navigate to the directory containing the `Dockerfile`. Run the following command to build the image:

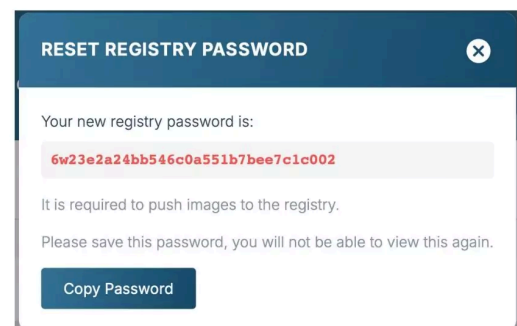
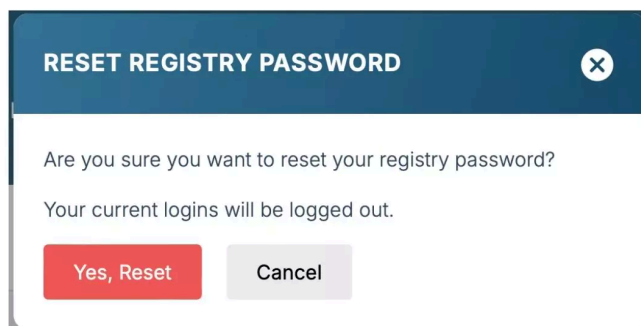
```
docker buildx build --platform linux/arm64 -t test-container:latest ./
```


Access the Sixfab Registry:

- Visit [Sixfab Registry](#).
- Click "+ Add Container" and follow the on-screen instructions to log in and push the image.



Set your registry password: If you don't have a password, reset it by clicking "**Reset Password**" on the platform. It is required to push images to the registry. Save this password as it cannot be viewed again.



Login to registry:

```
docker login cr.sixfab.dev --username [your_username]
```

The registry password will need to be entered when prompted.

Ensure the Image Exists: Check if the image exists by using the following command:

```
docker images
```

This command will return a list of your local Docker images. Look for the `test-container:latest` in the list.

REPOSITORY	TAG	IMAGE ID	CREATED	SIZE
test-container	latest	4bfb6d85adc2	3 hours ago	47MB

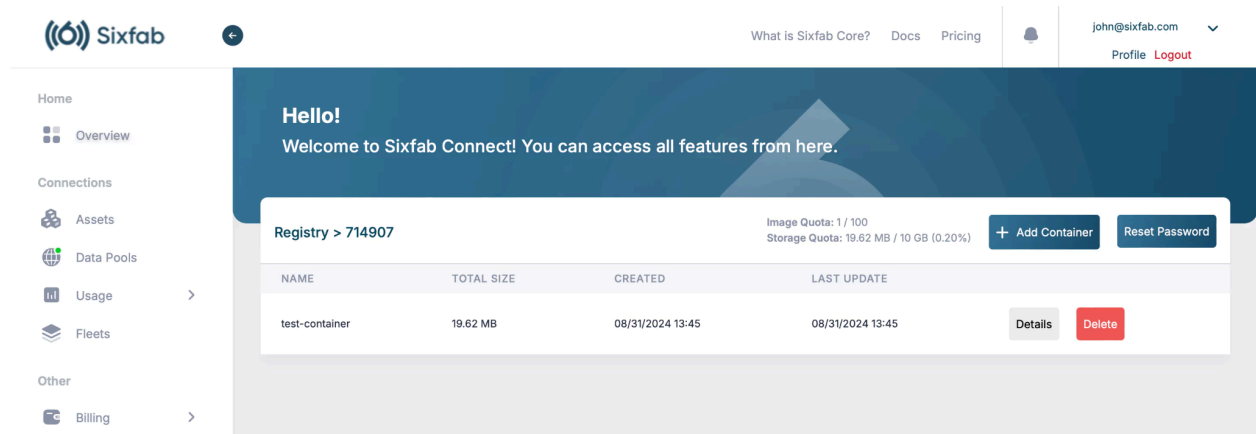
Tag the image: Tag the image with the registry URL.

```
docker tag [image_name]:[tag] cr.sixfab.dev/[your_username]/[image_name]:[tag]
```

Push the image: Push the image to the Sixfab registry.

```
docker push cr.sixfab.dev/[your_username]/[image_name]:[tag]
```

Check the Image in the Registry: Once the push is complete, refresh the page and the images will appear on the registry page.



The screenshot shows the Sixfab Connect dashboard. The left sidebar contains navigation links: Home, Overview, Connections (Assets, Data Pools, Usage, Fleets), and Other (Billing). The main content area has a welcome message and a 'Registry > 714907' section. This section displays a table of images with columns: NAME, TOTAL SIZE, CREATED, and LAST UPDATE. The table lists one image: 'test-container' with a total size of 19.62 MB, created on 08/31/2024 at 13:45, and last updated on the same date and time. There are 'Details' and 'Delete' buttons for this image. Above the table, there are buttons for '+ Add Container' and 'Reset Password'. The top right of the dashboard shows the user's profile 'john@sixfab.com' and a 'Logout' link.

NAME	TOTAL SIZE	CREATED	LAST UPDATE
test-container	19.62 MB	08/31/2024 13:45	08/31/2024 13:45

Deploy Container

- In the "Apps" tab, click "+ Deploy App".
- Fill in the "App Name" field.

DEPLOY CONTAINER ✕

Container Name

test-container

- Select the image you uploaded from the Sixfab registry.

DEPLOY CONTAINER ✕

Container Name

test-container

Image

Select

Tag

Select

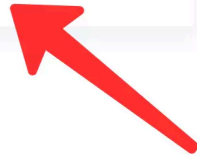
Search

cr.sixfab.dev/714907/test-container

+ Add More

Ports

+ Add More



Assign a Port: If there are other apps already running, assign a different port for the new app. For instance, if previous apps are using port 30800, use 30900 for this one.

Review the image below before deploying to ensure it looks like this:

DEPLOY CONTAINER ✕

Container Name

Image
 ▼

Tag
 ▼

☐ I would like to use my own container path

Environments

Ports

From

To
 🗑

Volumes

Host Network ☐

Privileged ☐

After the container is deployed, access to it through port `30900` using one of the methods listed under ['2. Access to the Container'](#).

FCC Statement

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: 1) this device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: --Reorient or relocate the receiving antenna.

--Increase the separation between the equipment and receiver.

--Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

--Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED Statement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

RF Exposure Statement

This equipment complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux radiations FCC/ISED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

The device is restricted to indoor use only when operating in the 5150 to 5250MHz frequency range.

L'appareil est limité à une utilisation en intérieur uniquement lorsqu'il fonctionne dans la plage de fréquences de 5 150 à 5 250 MHz.