

# Installation & Operational Manual

## PBL System

Model : PBL



### PBL Box Contents

1. PBL Gateway
2. PBL DISPLAY
3. ROUTER
4. PBL SERVER

For any support,  
Contact: [TECHSUPPORT@STACKIOT.TECH](mailto:TECHSUPPORT@STACKIOT.TECH)

# Document Data Sheet



<b>Document Data Sheet</b>	
Specification No.	StackIOT/PBL/2024-010
Title of Document	User manual for PBL System.
Prepared By	StackIOT Technologies Private Limited
Abstract	This document specifies the use of PBL SYSTEM.

## Revision

<b>Version</b>	<b>Chapter/Annexure</b>	<b>Revision</b>	<b>Effective From</b>
StackIOT/PBL/2024-010	All	Ver: 1.0	22/August/2024

For any support, email us at [support@stackiot.tech](mailto:support@stackiot.tech)

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech) support@stackiot.tech

# INDEX

## BASIC Overview

- Hardware Overview ..... 4

## PBL System Quick Installation

- Server Installation..... 5
- Gateway Installation..... 5
- PBL Display Mounting ..... 5
- Router Installation ..... 5

## PBL Display CONFIGURATION

- Configuring PBL Displays ..... 8

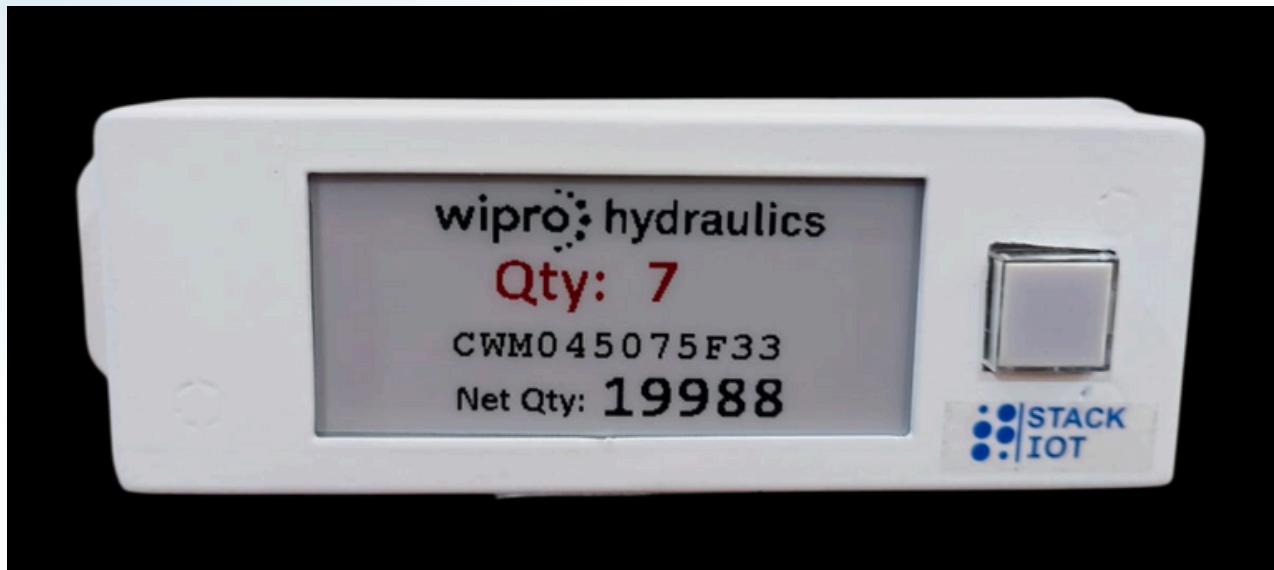
## QUICK TROUBLESHOOT ..... 12

Manufactured by  
STACKIOT TECHNOLOGIES PRIVATE LIMITED

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)

# Hardware Overview



**Fig.1 Front View**

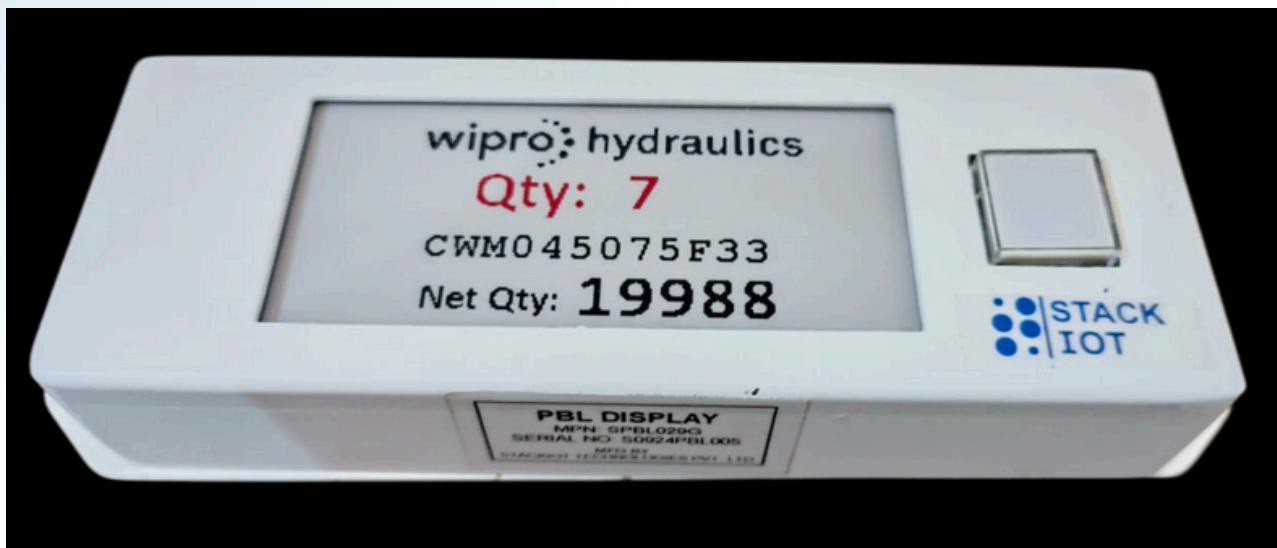


**Fig.2 PBL Address Right Side**

**Manufactured by**  
**STACK IOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)



**Fig.3 Serial No. at Bottom Side**

## PBL SYSTEM Quick Setup

PBL SERVER, Gateway Router will be preconfigured /synced to work as per plug and play order in your local network.

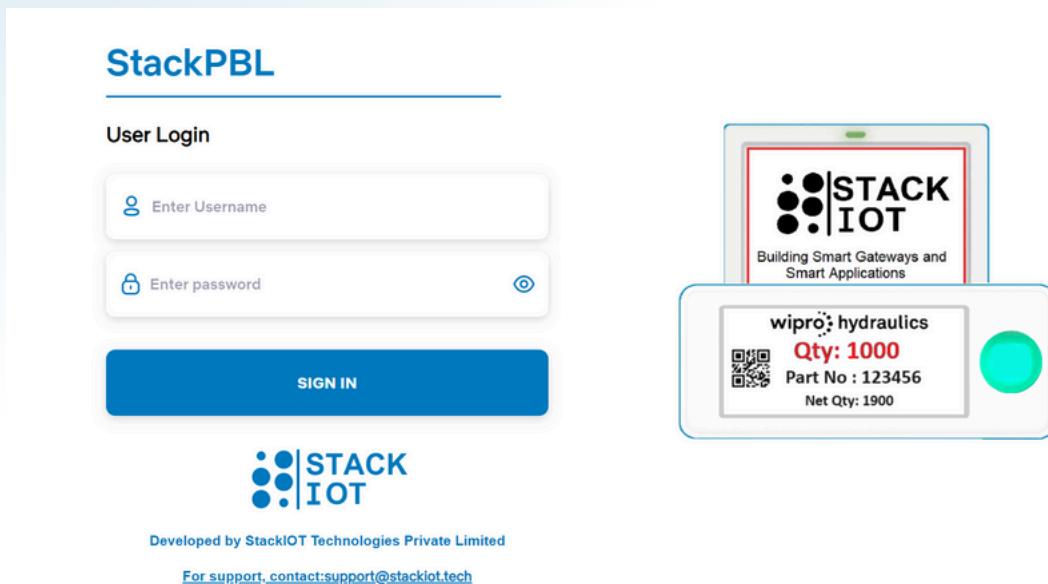
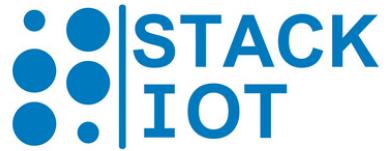
- As you provide your network IP Address to us, we will configure it to run in your local premises.
- Internet is not required to operate the system as it works under BLE operation.
- PBL Displays will be mounted at the location. accordingly.

**Manufactured by**  
**STACK IOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)

# SERVER Overview



**Fig.4 Login Page**

PBL Server will be installed at your local premises to access and manage all inventories PBL Displays.

USERNAME - admin

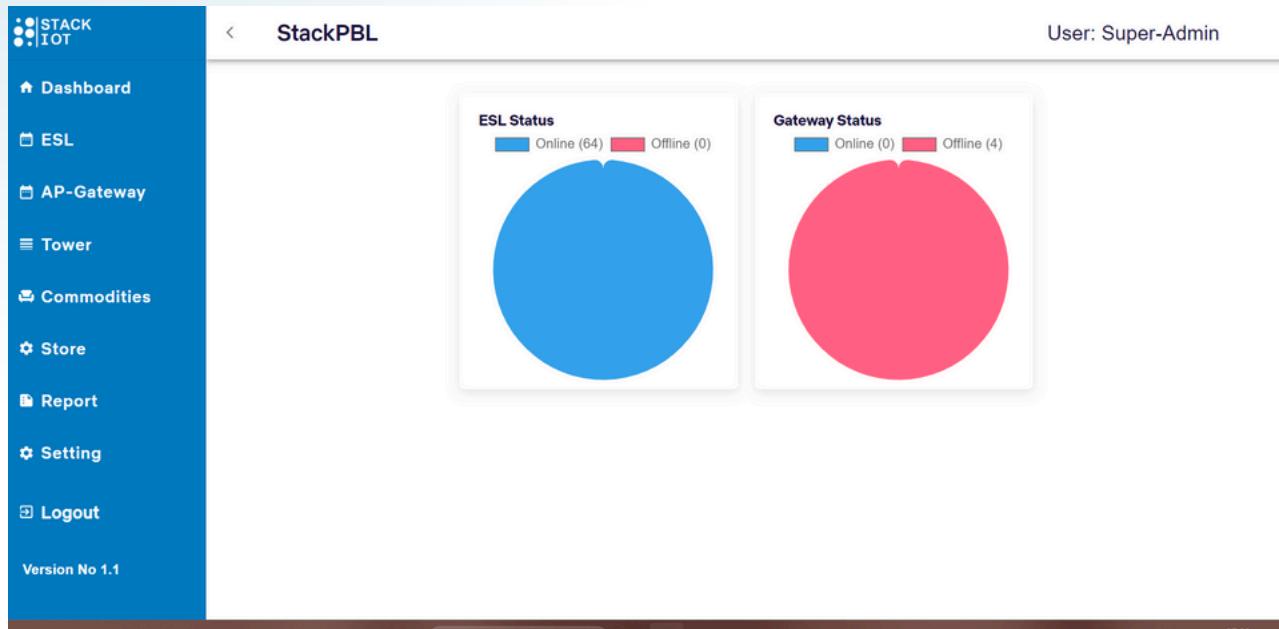
Password - Wipro@2024

URL - <http://10.121.206.4:5001>

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)



**Fig.5 PBL Server Dashboard**

# ROUTER Installation

Router is preconfigured to connect and work with the PBL Server and PBL Gateways.

WIFI SSID - Stack  
Password - Admin#4213

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)

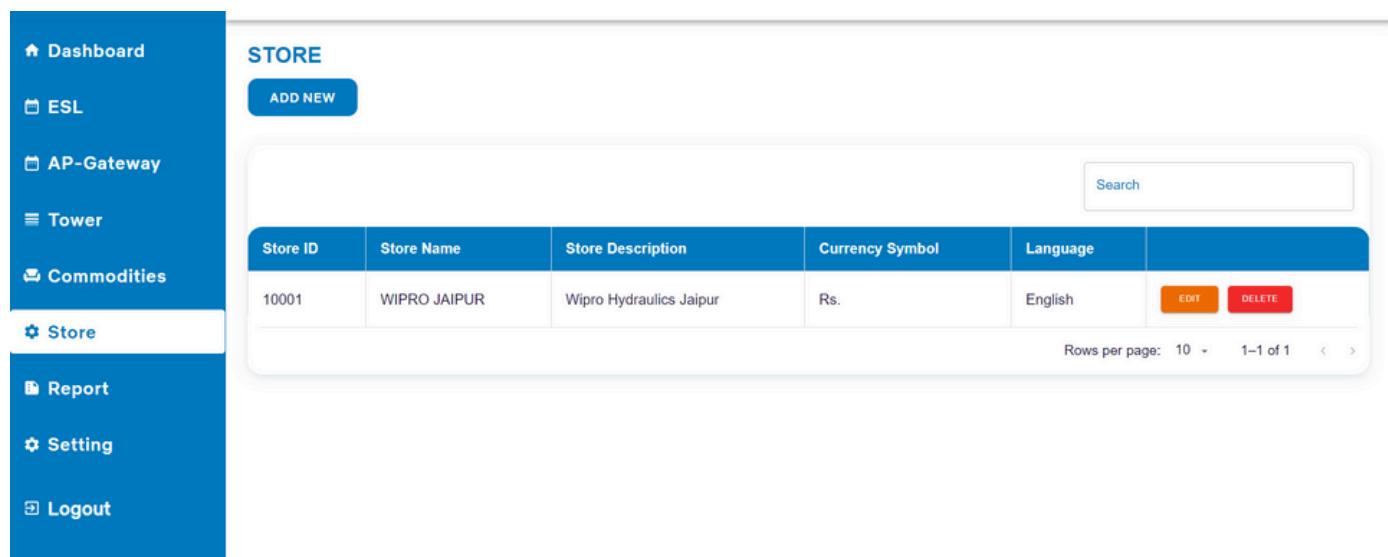
# PBL CONFIGURATION



PBL Displays will be configured on PBL Server with the help of PBL addresses provided at the right side of the PBL displays.

Steps to configure PBL System from base:

## 1. Store Creation



Store ID	Store Name	Store Description	Currency Symbol	Language	
10001	WIPRO JAIPUR	Wipro Hydraulics Jaipur	Rs.	English	<button>EDIT</button> <button>DELETE</button>

**Fig. 6 Store Creation**

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)

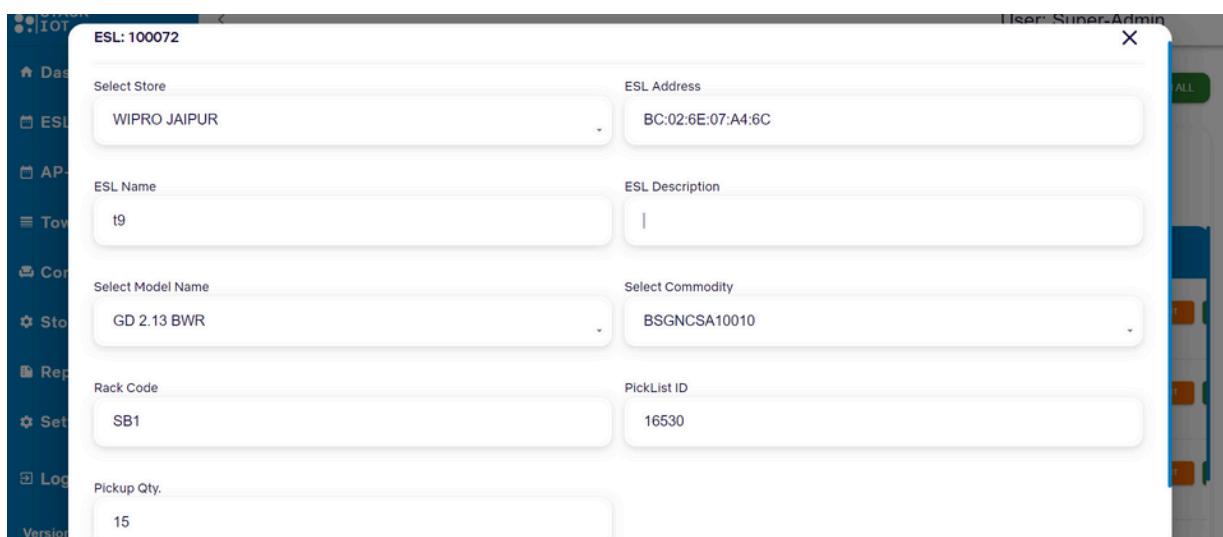
## 2. ESL Configuration



After store creation, ESL Display configuration will start.

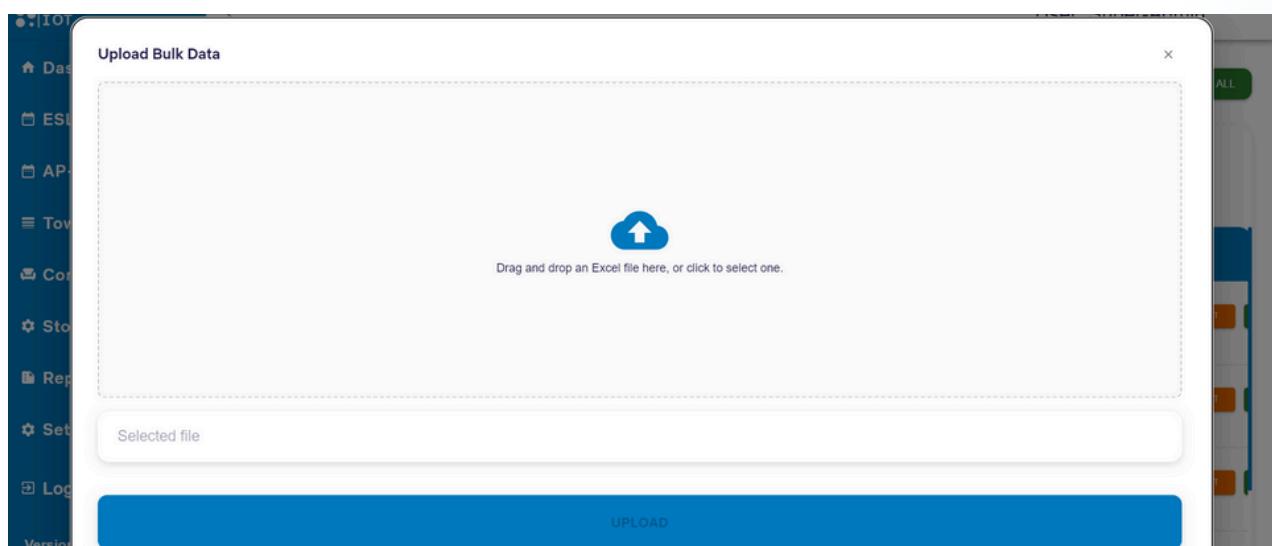
Now, go to the ESL tab on PBL server page. Here we have two option to add new PBL displays to connect /register on the server.

### 1. Add New button



The screenshot shows the 'ESL: 100072' configuration page. The 'Select Store' dropdown is set to 'WIPRO JAIPUR'. The 'ESL Address' field contains 'BC:02:6E:07:A4:6C'. The 'ESL Name' field is 't9' and the 'ESL Description' field is empty. The 'Select Model Name' dropdown is set to 'GD 2.13 BWR' and the 'Select Commodity' dropdown is set to 'BSGNCSA10010'. The 'Rack Code' field is 'SB1' and the 'PickList ID' field is '16530'. The 'Pickup Qty.' field is '15'. The top right corner shows the user 'Super Admin'.

### 2. Bulk Upload



The screenshot shows the 'Upload Bulk Data' interface. It features a large dashed box for dragging and dropping an Excel file, with the text 'Drag and drop an Excel file here, or click to select one.' Below this is a 'Selected file' dropdown and a large blue 'UPLOAD' button. The left sidebar shows the navigation menu with 'ESL' selected.

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)

While using ADD new button you need to follow the steps and provide the required info:

- You will be able to add one PBL display at a time.
- First, select the “store”
- Provide PBL Address Noted from the Right Side sticker of PBL Tag
- Provide a “name”
- select “model name”
- provide “RACK CODE”

While using Bulk Upload button you need to follow the steps and provide the required info:

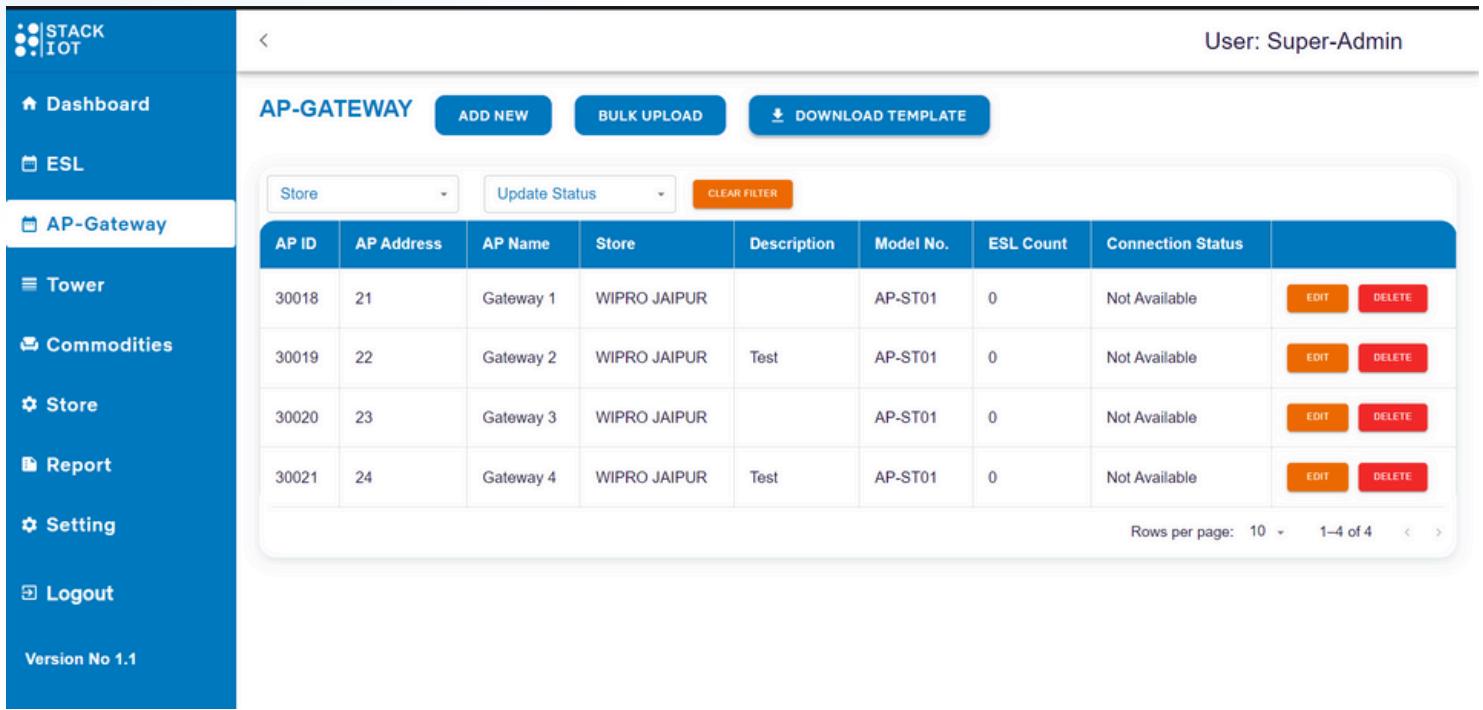
- you can download the bulk upload info template from the given download button.
- provide the required info in the excel sheet
- then upload the excel sheet on the server using the “BULK Upload” button.
- And enter.

**[Note:** You can check the battery status, connected gateway status, PBL tags connection status and PBL Addresses as well as their update status on the ESL tab of the server.]

# Gateway Configuration



Gateways already configured to connect as well as it and PBL server connect with your network.



The screenshot shows the Stack IOT application interface. The left sidebar is a navigation menu with the following items: Dashboard, ESL, AP-Gateway (selected), Tower, Commodities, Store, Report, Setting, and Logout. The version is listed as Version No 1.1. The main content area has a header with a back arrow, the title 'AP-GATEWAY', and buttons for 'ADD NEW', 'BULK UPLOAD', and 'DOWNLOAD TEMPLATE'. Below this is a table with columns: AP ID, AP Address, AP Name, Store, Description, Model No., ESL Count, Connection Status, and two buttons (EDIT and DELETE). The table contains four rows of gateway data. At the bottom of the table, there are buttons for 'Rows per page' (set to 10), '1-4 of 4', and navigation arrows.

AP ID	AP Address	AP Name	Store	Description	Model No.	ESL Count	Connection Status	EDIT	DELETE
30018	21	Gateway 1	WIPRO JAIPUR		AP-ST01	0	Not Available	<button>EDIT</button>	<button>DELETE</button>
30019	22	Gateway 2	WIPRO JAIPUR	Test	AP-ST01	0	Not Available	<button>EDIT</button>	<button>DELETE</button>
30020	23	Gateway 3	WIPRO JAIPUR		AP-ST01	0	Not Available	<button>EDIT</button>	<button>DELETE</button>
30021	24	Gateway 4	WIPRO JAIPUR	Test	AP-ST01	0	Not Available	<button>EDIT</button>	<button>DELETE</button>

Steps to add a gateway to be followed:

- go to “AP-Gateway” tab
- click on “ADD NEW” button
- select the store
- provide a name
- provide gateway “Address”
- model no ”AP-ST01”

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)

# Reports



On the Report tab , we can see the picklist summary details that has been updated, picked, or yet to be picked, failed attempts.

## Troubleshooting

Troubleshooting Points:

- check power (Adopter, switch board)
- device on /off
- network connectivity

**Note:** if server is not working, or gateway is not showing connected, please contact:  
techsupport@stackiot.tech

**Manufactured by**  
**STACKIOT TECHNOLOGIES PRIVATE LIMITED**

[www.stackiot.tech](http://www.stackiot.tech)

[support@stackiot.tech](mailto:support@stackiot.tech)