

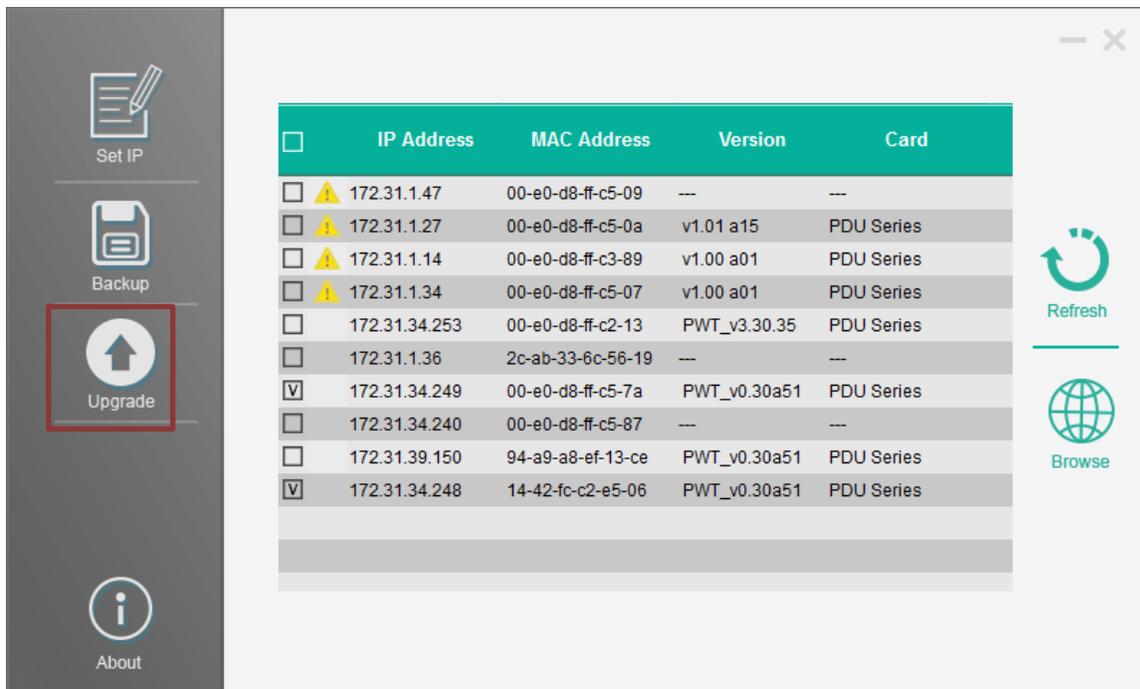
PDU Fility for mass FW upgrade

Catalog

- SNMP firmware upgrade
- Inlet/ Outlet firmware upgrade
- Trouble shooting

- SNMP firmware upgrade

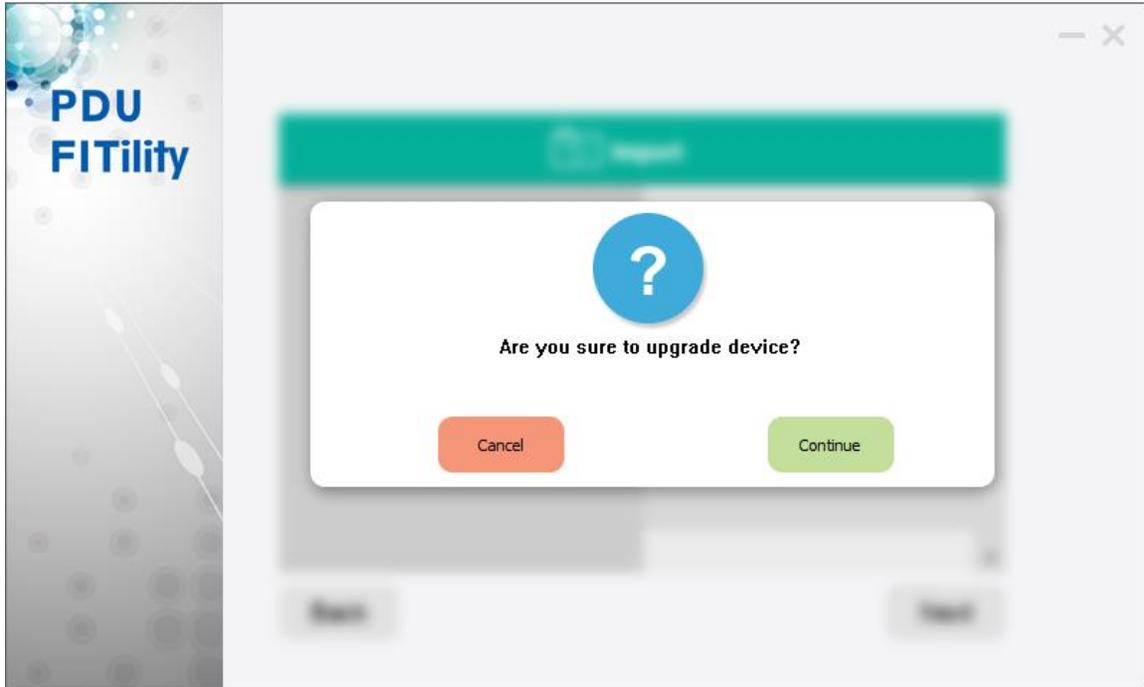
1. Select same type of PDU then click Upgrade icon on left hand side for firmware upgrade



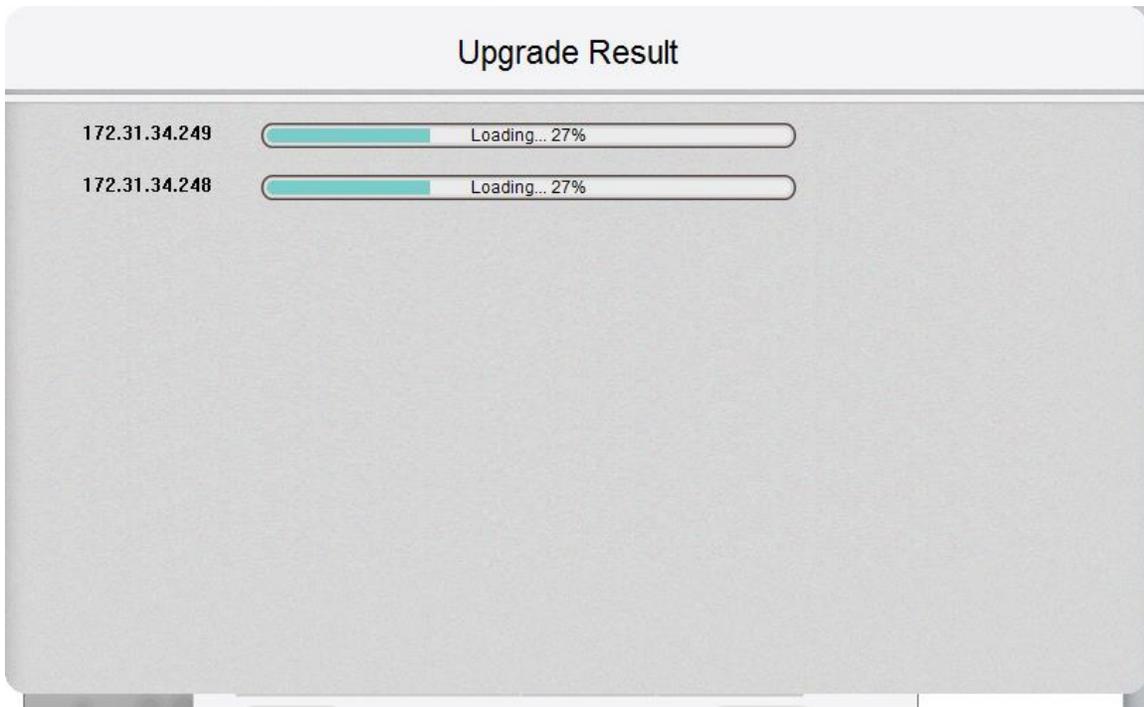
The screenshot displays the PDU Fility interface. On the left, a sidebar contains four icons: 'Set IP', 'Backup', 'Upgrade' (highlighted with a red box), and 'About'. The main area shows a table of PDUs with columns for IP Address, MAC Address, Version, and Card. The table contains 12 rows of data, with the first four rows having yellow warning icons. The 'Upgrade' button in the sidebar is highlighted with a red box, indicating the next step in the process.

<input type="checkbox"/>	IP Address	MAC Address	Version	Card
<input type="checkbox"/>	172.31.1.47	00-e0-d8-ff-c5-09	---	---
<input type="checkbox"/>	172.31.1.27	00-e0-d8-ff-c5-0a	v1.01 a15	PDU Series
<input type="checkbox"/>	172.31.1.14	00-e0-d8-ff-c3-89	v1.00 a01	PDU Series
<input type="checkbox"/>	172.31.1.34	00-e0-d8-ff-c5-07	v1.00 a01	PDU Series
<input type="checkbox"/>	172.31.34.253	00-e0-d8-ff-c2-13	PWT_v3.30.35	PDU Series
<input type="checkbox"/>	172.31.1.36	2c-ab-33-6c-56-19	---	---
<input checked="" type="checkbox"/>	172.31.34.249	00-e0-d8-ff-c5-7a	PWT_v0.30a51	PDU Series
<input type="checkbox"/>	172.31.34.240	00-e0-d8-ff-c5-87	---	---
<input type="checkbox"/>	172.31.39.150	94-a9-a8-ef-13-ce	PWT_v0.30a51	PDU Series
<input checked="" type="checkbox"/>	172.31.34.248	14-42-fc-c2-e5-06	PWT_v0.30a51	PDU Series

4. Click Continue to go ahead firmware upgrade



5. Then you can see the process bar moving



6. Done

Upgrade Result

172.31.34.249	<div style="border: 1px solid #ccc; border-radius: 5px; background-color: #e0f2f1; padding: 2px; display: inline-block;">Loading... 100%</div>	✔ Success!
172.31.34.248	<div style="border: 1px solid #ccc; border-radius: 5px; background-color: #e0f2f1; padding: 2px; display: inline-block;">Loading... 100%</div>	✔ Success!

- Inlet/ Outlet firmware upgrade

1. Select the PDU you want to do firmware upgrade, then click Upgrade icon

The screenshot shows a web interface for PDU management. On the left is a sidebar with icons for 'Set IP', 'Backup', 'Upgrade' (highlighted with a red box), and 'About'. The main area contains a table of PDUs. The table has columns for 'IP Address', 'MAC Address', 'Version', and 'Card'. Two rows are selected with checkmarks in the first column. On the right side of the table, there are 'Refresh' and 'Browse' buttons.

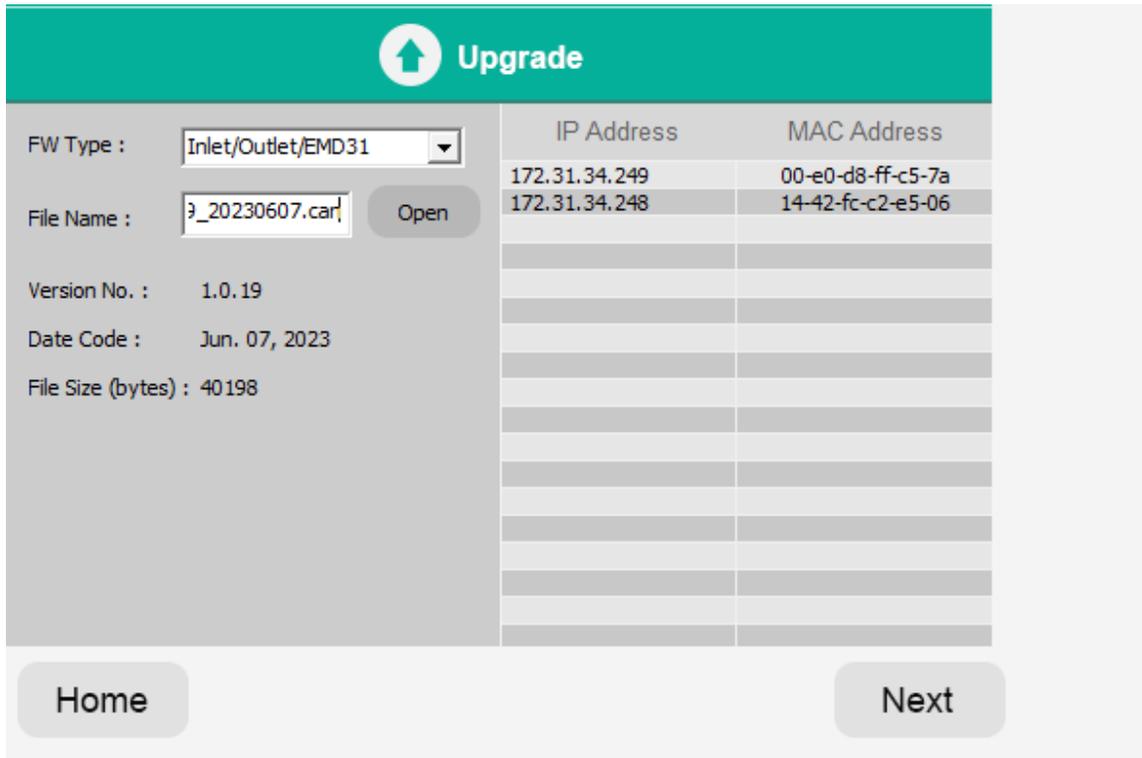
<input type="checkbox"/>	IP Address	MAC Address	Version	Card
<input type="checkbox"/>	172.31.1.47	00-e0-d8-ff-c5-09	---	---
<input type="checkbox"/>	172.31.1.27	00-e0-d8-ff-c5-0a	v1.01 a15	PDU Series
<input type="checkbox"/>	172.31.1.14	00-e0-d8-ff-c3-89	---	---
<input type="checkbox"/>	172.31.1.34	00-e0-d8-ff-c5-07	v1.00 a01	PDU Series
<input type="checkbox"/>	172.31.34.253	00-e0-d8-ff-c2-13	PWT_v3.30.35	PDU Series
<input type="checkbox"/>	172.31.1.36	2c-ab-33-6c-56-19	---	---
<input checked="" type="checkbox"/>	172.31.34.249	00-e0-d8-ff-c5-7a	PWT_v0.30a51	PDU Series
<input type="checkbox"/>	172.31.34.240	00-e0-d8-ff-c5-87	---	---
<input type="checkbox"/>	172.31.39.150	94-a9-a8-ef-13-ce	PWT_v0.30a51	PDU Series
<input checked="" type="checkbox"/>	172.31.34.248	14-42-fc-c2-e5-06	PWT_v0.30a51	PDU Series
<input type="checkbox"/>	172.31.34.255	2c-ab-33-6c-33-b4	---	---

2. Input the user name and password

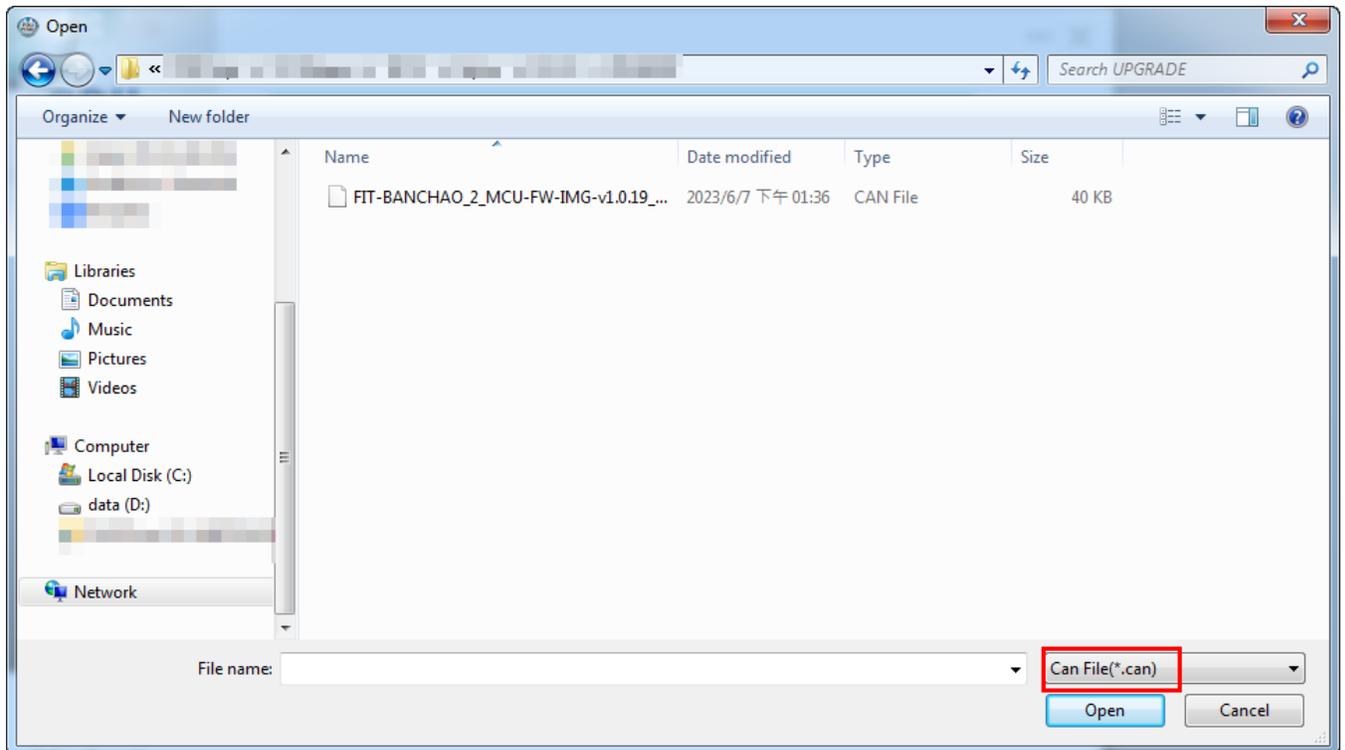
The screenshot shows the PDU management interface with a table for user accounts. The table has columns for 'Del', 'IP Address', 'Account', and 'Password'. Two rows are visible, both with 'admin' as the account and '****' as the password. At the bottom of the interface, there are 'Home' and 'Next' buttons.

Del	IP Address	Account	Password
	172.31.34.249	admin	****
	172.31.34.248	admin	****

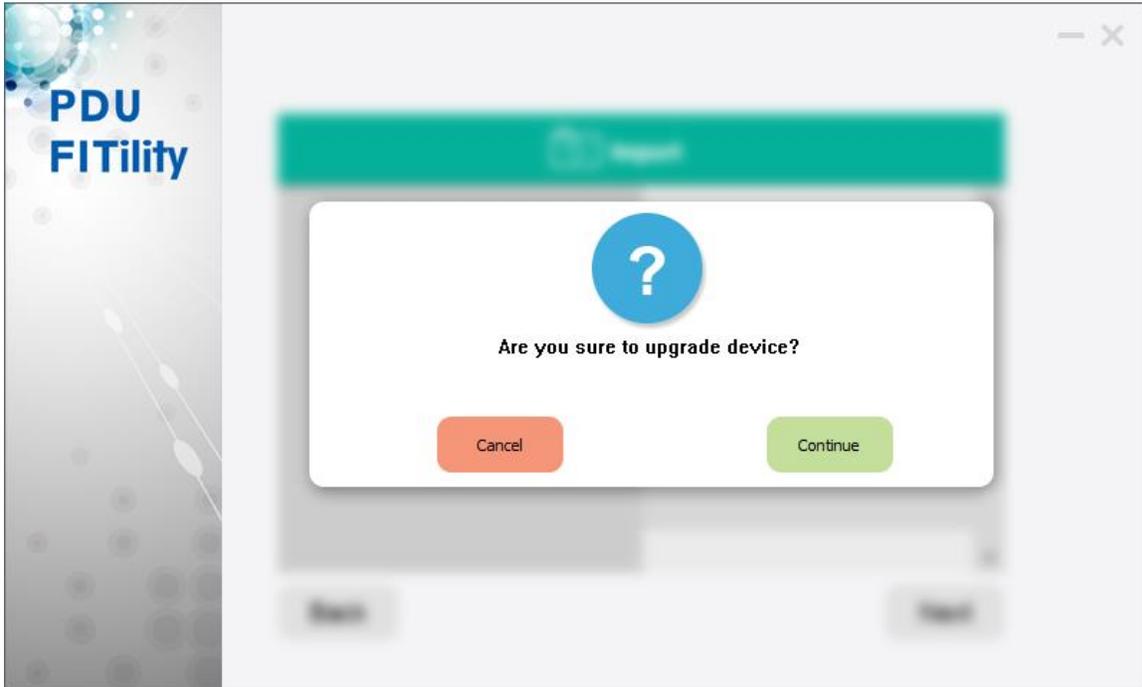
3. Select "FW Type" to Inlet/Outlet/EMD31, then select the firmware file



Select file type to Can file



- Click Continue to go ahead upgrade



- You can see the upgrade progress bar is moving
It will upgrade the inlet/outlet board on slave PDU automatically if connected.

The screenshot shows a window titled 'Upgrade Inlet/Outlet/EMD 31 Result'. It contains a table with the following data:

IP Address	Produce Type	PDU Type	BoardType / Address	FW Ver.	FW Upload (%)	Upgrade Progress (%)	Status	Dev Ver.
172.31.34.249	PDU II	PDU(M)	Outlet(A1)	1.0.19	100	30	Busy	1.0.21
172.31.34.248	PDU II	PDU(M)	Outlet(A1)	1.0.19	100	25	Busy	1.0.21

You can see success if it finished.

Upgrade Inlet/Outlet/EMD 31 Result								
IP Address	Produce Type	PDU Type	BoardType / Address	FW Ver.	FW Upload (%)	Upgrade Progress (%)	Status	Dev Ver.
172.31.34.249	PDU II	PDU(M)	Outlet(A2)	1.0.19	100	100	Success	1.0.19
172.31.34.248	PDU II	PDU(M)	Outlet(A3)	1.0.19	100	100	Success	1.0.19

- Troubleshooting

1. You can click the yellow triangle icon to check more information if job failed

The screenshot shows a web interface for device management. On the left is a sidebar with icons for 'Set IP', 'Backup', 'Upgrade', and 'About'. The main area displays a table with columns: 'IP Address', 'MAC Address', 'Version', and 'Card'. A red box highlights a yellow warning triangle icon in the first row of the table.

	IP Address	MAC Address	Version	Card
<input type="checkbox"/>	172.31.1.47	00-e0-d8-ff-c5-09	v1.01 a15	PDU Series
<input type="checkbox"/>	172.31.1.27	00-e0-d8-ff-c5-0a	v1.01 a15	PDU Series
<input type="checkbox"/>	172.31.1.14	00-e0-d8-ff-c3-89	v1.00 a01	PDU Series
<input type="checkbox"/>	172.31.1.34	00-e0-d8-ff-c5-07	v1.00 a01	PDU Series
<input type="checkbox"/>	172.31.34.253	00-e0-d8-ff-c2-13	PWT_v3.30.35	PDU Series
<input type="checkbox"/>	172.31.1.36	2c-ab-33-6c-56-19	---	---
<input type="checkbox"/>	172.31.34.249	00-e0-d8-ff-c5-7a	PWT_v0.30a51	PDU Series
<input type="checkbox"/>	172.31.34.240	00-e0-d8-ff-c5-87	---	---
<input type="checkbox"/>	172.31.39.150	94-a9-a8-ef-13-ce	PWT_v0.30a51	PDU Series

The screenshot shows the same web interface as above, but with a modal dialog box overlaid. The dialog box contains a yellow warning icon and the following text: 'Upgrade FW failed : 172.31.1.47 device not support this firmware.' There is an 'OK' button at the bottom right of the dialog box.

2. Mass firmware upgrade should select the same type of PDU

