

PDU Futility 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 shows the PDU Futility web interface. On the left sidebar, the 'Upgrade' icon (a circle with an upward arrow) is highlighted with a red box. The main area displays a table of PDU devices with columns for selection, IP Address, MAC Address, Version, and Card. The table contains 10 rows of data. To the right of the table 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	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

2. Checked “Submit All” and input user name & password, then press Enter, and click Next button

1

☒ Submit All

(Account :

2admin

 Password :

3*****

)

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

HomeNext

3. Select the firmware file

Upgrade

FW Type :

SNMP FW

File Name :

i1-20230628.bin

Open

Version No. : v0.30a51

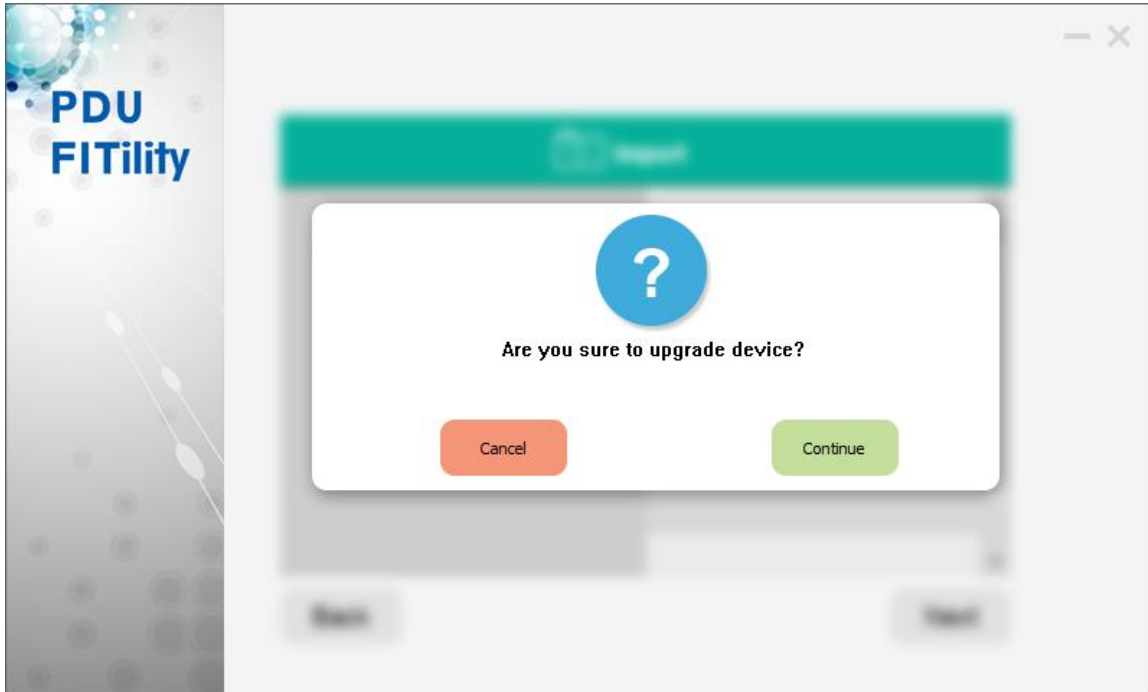
Date Code : Jun. 28, 2023

File Size (bytes) : 40632832

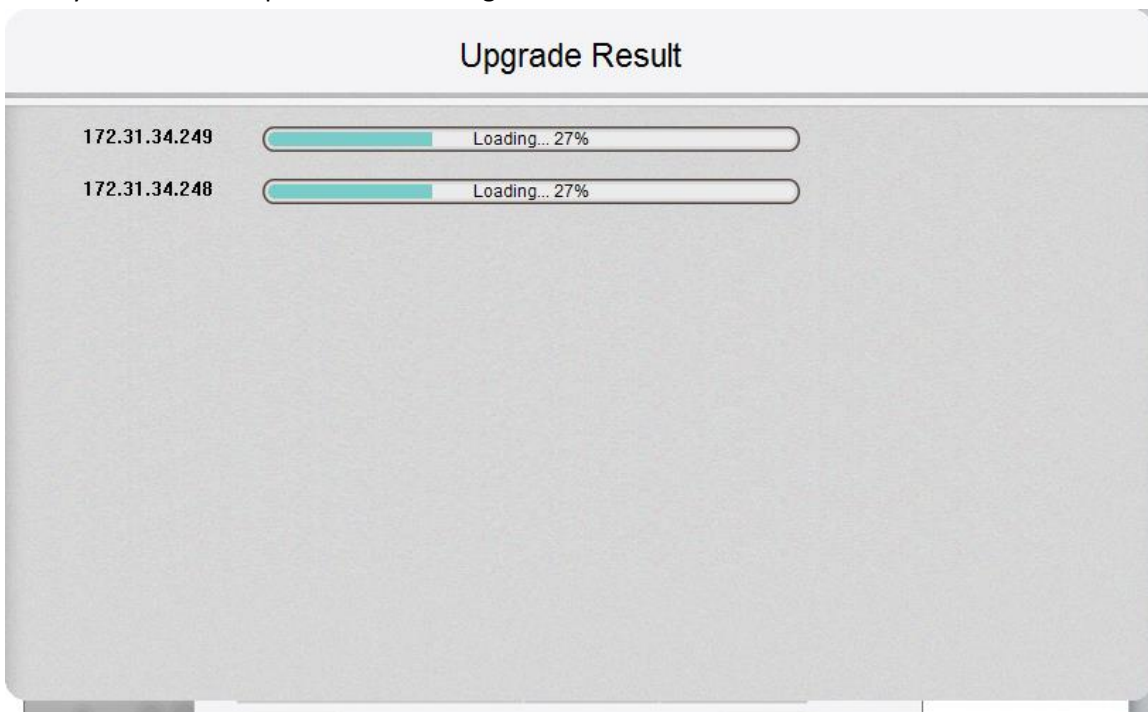
IP Address	MAC Address
172.31.34.249	00-e0-d8-ff-c5-7a
172.31.34.248	14-42-fc-c2-e5-06

HomeNext

- Click Continue to go ahead firmware upgrade



- Then you can see the process bar moving



6. Done

Upgrade Result

172.31.34.249

Loading... 100%

✓

Success!

172.31.34.248

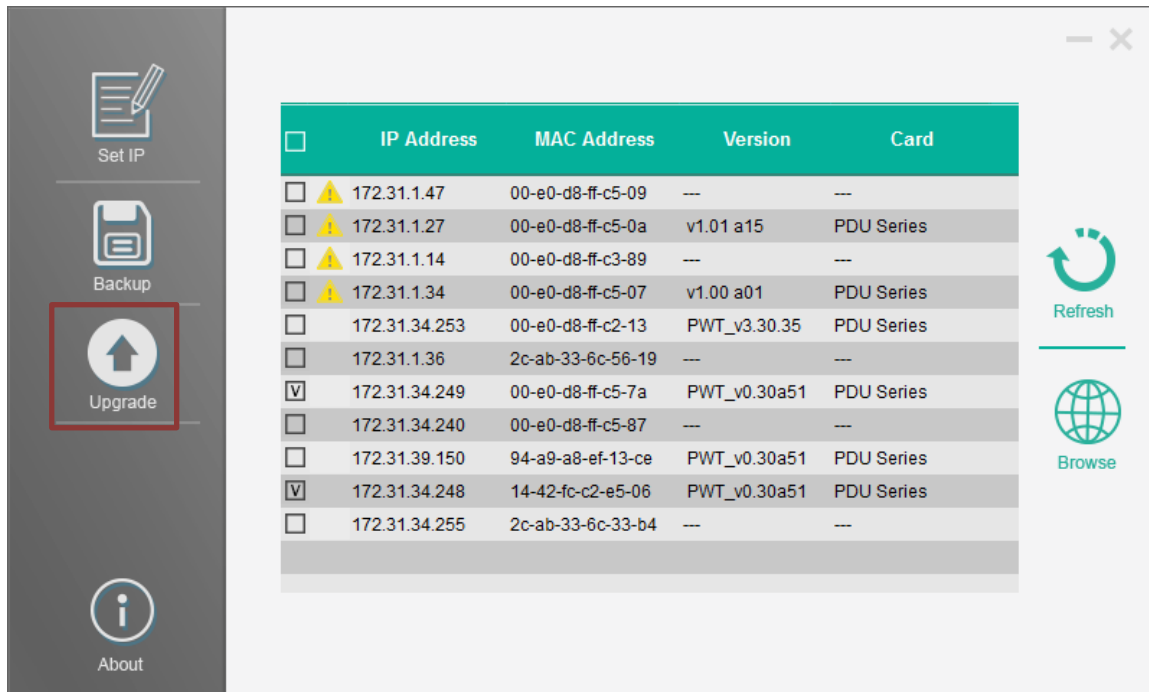
Loading... 100%

✓

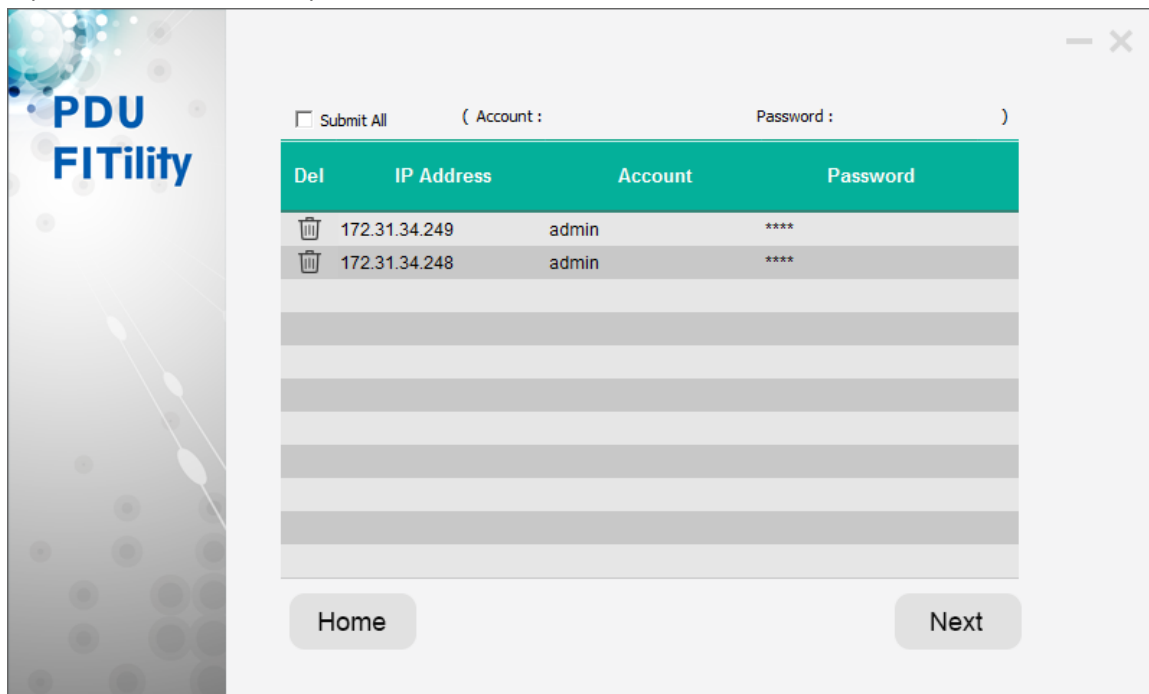
Success!

- Inlet/ Outlet firmware upgrade

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



2. Input the user name and password



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

Upgrade

FW Type :

Inlet/Outlet/EMD31

File Name :

3_20230607.car

Open

Version No. : 1.0.19

Date Code : Jun. 07, 2023

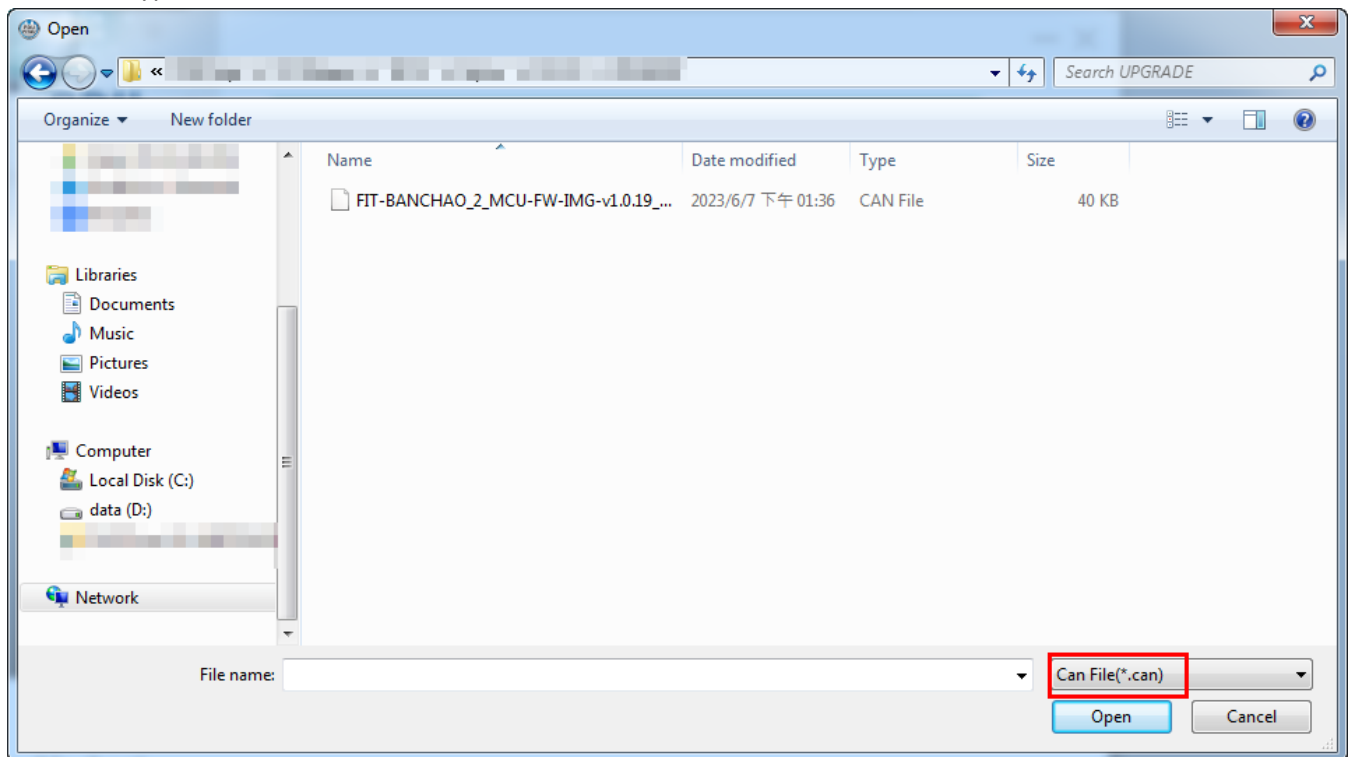
File Size (bytes) : 40198

IP Address	MAC Address
172.31.34.249	00-e0-d8-ff-c5-7a
172.31.34.248	14-42-fc-c2-e5-06

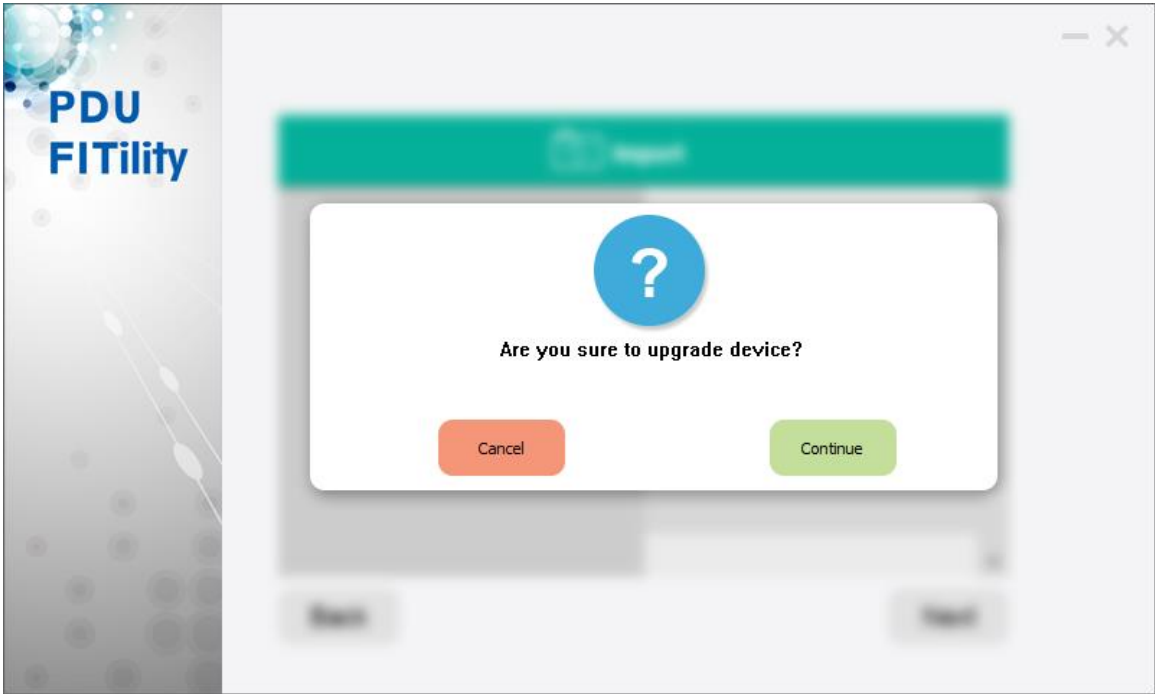
Home

Next

Select file type to Can file



4. Click Continue to go ahead upgrade



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

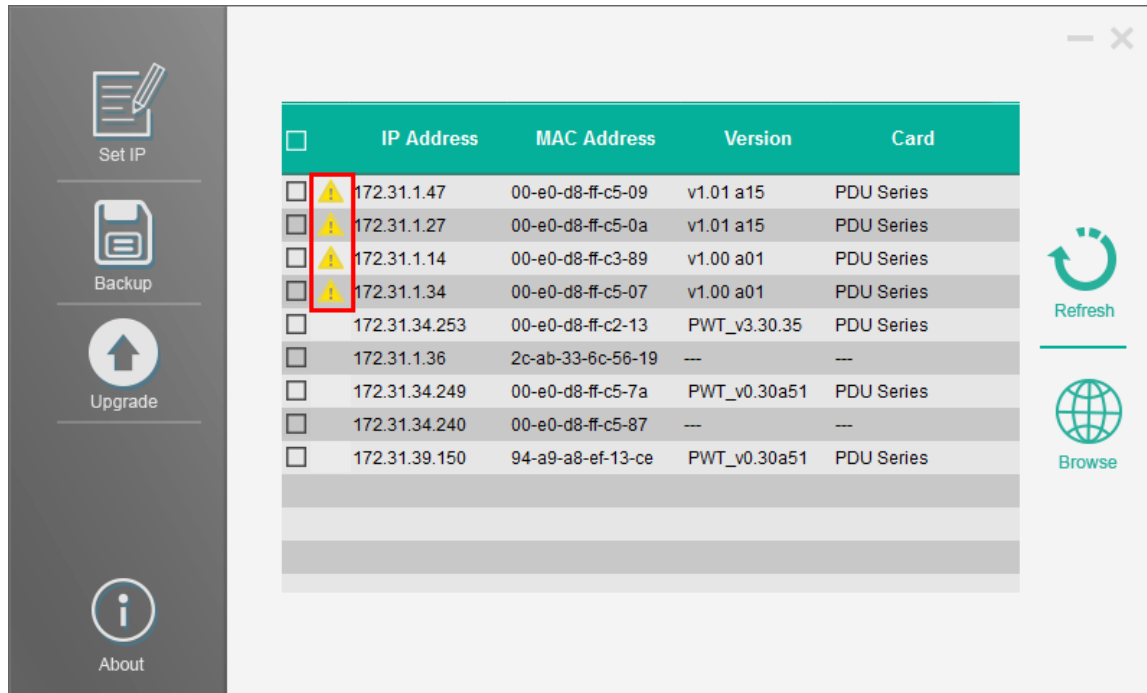
Upgrade Inlet/Outlet/EMD 31 Result								
IP Address	Produce Type	PDU Type	BoardType / Address	FW Ver.	FW Upload (%)	Upgrade Progress (%)	Status	Dev Ver.
172.31.34.249	PDU II	PDU(M)	Outlet(A1)	1.0.19	100	30	Busy	1.0.21
172.31.34.248	PDU II	PDU(M)	Outlet(A1)	1.0.19	100	25	Busy	1.0.21

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

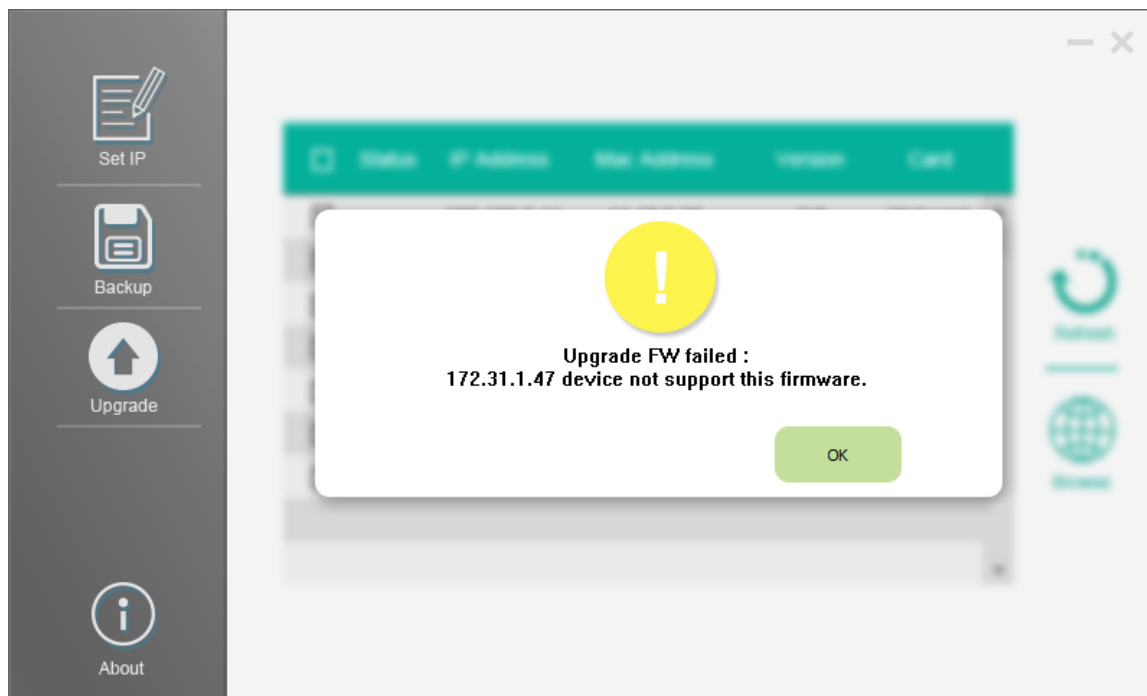
- Troubleshooting

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



The screenshot shows a web interface for managing devices. 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'. There are 10 rows of device data. The first four rows have a yellow warning triangle icon in the selection column, which is highlighted by a red box. To the right of the table are 'Refresh' and 'Browse' buttons.

	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
<input type="checkbox"/>				
<input type="checkbox"/>				
<input type="checkbox"/>				



The screenshot shows the same web interface as the first image, but with an error dialog box overlaid in the center. The dialog box has a yellow warning icon and the text: 'Upgrade FW failed : 172.31.1.47 device not support this firmware.' with an 'OK' button.

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

