



**TECH DOC**

**Date**

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**WBP-130**  
**E-paper Booking Panel**  
**Installation Guide**  
**1.0.1**

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## Table of Contents

A. Preparation .....	2
B. Network topology.....	3
C. System setting workflow .....	4
D. WBP-130 E-paper Booking Panel Setup .....	5
1. Define IP addresses.....	5
2. Setup TAD-3240 WBP Router (Ver. 1.0).....	5
3. Setup TAD-3240 WBP Gateway .....	7
4. Deploy Routers to Gateway:.....	9
5. Add e-paper tags to the WBP Gateway's white list: .....	11
6. Deploy e-paper tags:.....	14

## A. Preparation

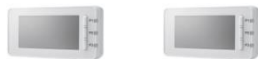
- Devices:
  - TAD-6322 WBP Gateway (Ver. 1.0)



- TAD-3240 WBP Router (Ver. 1.0)



- WBP-130 E-paper Booking Panel



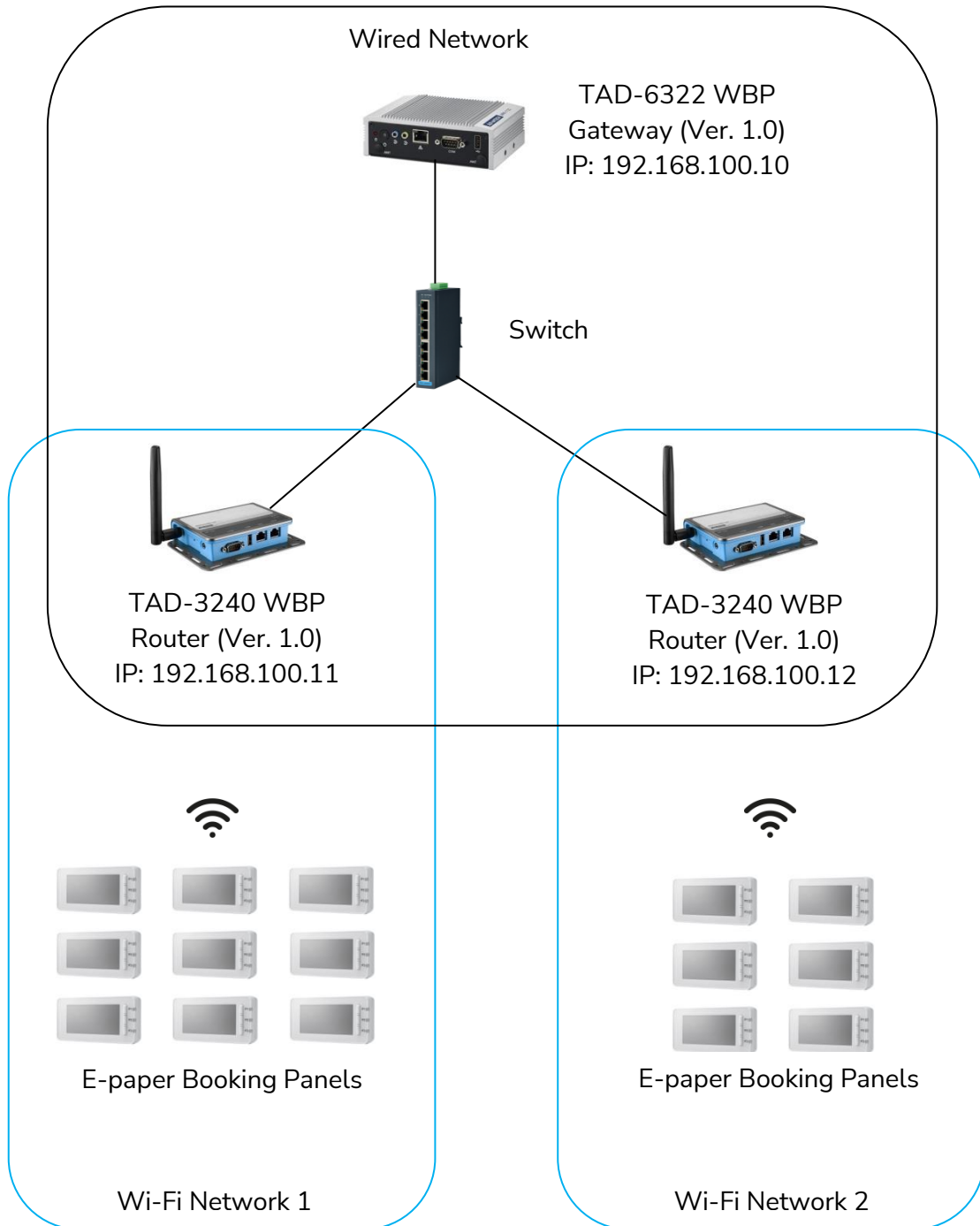
- A network switch



- Ethernet cables

- To configure the devices listed above, the follow tools are needed:
  - A desktop/laptop computer.
  - A display monitor.
  - A keyboard.
  - A mouse.

## B. Network topology





### C. System setting workflow

1. Define IP addresses
2. Setup TAD-6322 WBP Gateway (Ver. 1.0)
3. Setup TAD-3240 WBP Routers (Ver. 1.0)
4. Deploy TAD-3240 WBP Routers
5. Add WBP-130 E-paper Booking Panels to white list
6. Deploy WBP-130 E-paper Booking Panels

## D. WBP-130 E-paper Booking Panel Setup

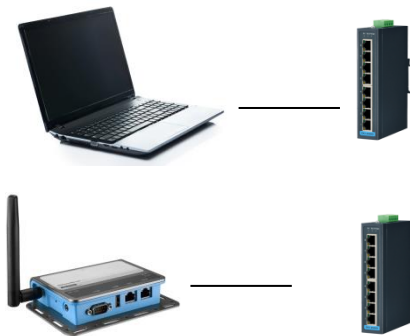
### 1. Define IP addresses.

Define IP address

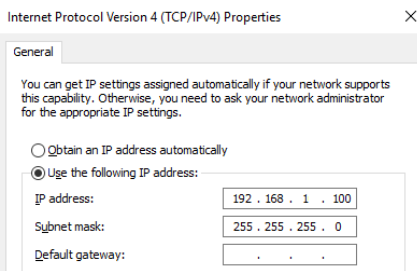
- Network router: 192.168.1.254
- TAD-6322 WBP Gateway (Ver. 1.0): 192.168.100.10
- TAD-3240 WBP Router (Ver. 1.0) A: 192.168.100.11
- TAD-3240 WBP Router (Ver. 1.0) B: 192.168.100.12

The IPs are defined above are for demo purposes. Contact your network administrator to define your IPs based on your network environment.

### 2. Setup TAD-3240 WBP Router (Ver. 1.0)



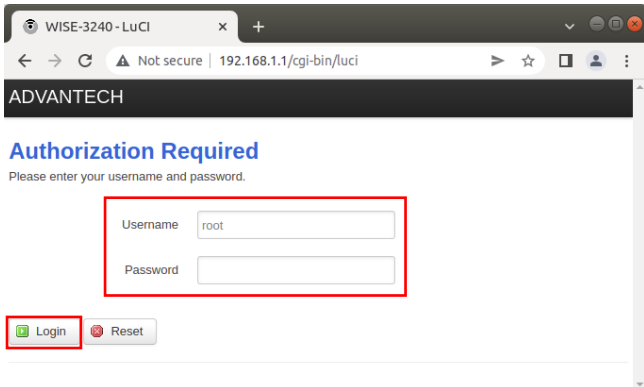
1. Connect the PC to the switch via an Ethernet cable.
2. Connect the TAD-3240 WBP Router A (using the LAN port) to the switch via an Ethernet cable.



3. Change the IP of your computer to 192.168.1.100 (As the default IP of the WBP Router is 192.168.1.1)

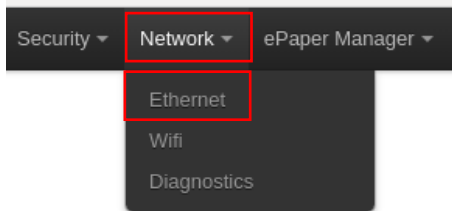
**192.168.1.1/cgi-bin/luci**

4. On PC, open a **browser** to visit:  
**192.168.1.1** OR  
**192.168.1.1/cgi-bin/luci**



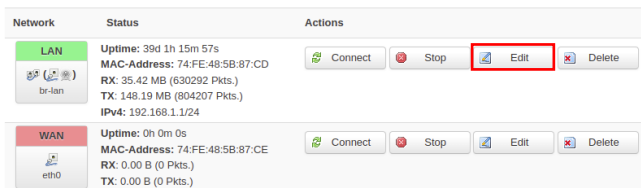
5. Enter credential.  
(**Username: root, Password: ePaper**)

6. **Login** to the WBP Router.



7. Click the **Network** tab.

8. Click **Ethernet**.



9. Click the **Edit** button of the LAN's properties.

**Interfaces - WAN**  
On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).

### Common Configuration

**General Setup** | Advanced Settings | Physical Settings | Firewall Settings

Status  
eth0 Uptime: 0h 0m 0s  
MAC-Address: 74:FE:48:5B:87:CE  
RX: 0.00 B (0 Pkts.)  
TX: 0.00 B (0 Pkts.)

Protocol Static address

IPv4 address 192.168.100.11

IPv4 netmask 255.255.255.0

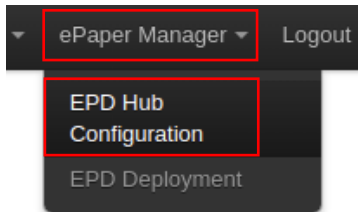
10. Click the **General Setup** tab.

11. At Protocol, select **Static address**.

12. Enter the pre-defined IP address  
(**192.168.100.11** for WBP Router A,  
**192.168.100.12** for WBP Router B).

13. Enter the netmask.  
**255.255.255.0**

Save & Apply



Server IP

Save & Apply



### 3. Setup TAD-6322 WBP Gateway (Ver. 1.0)



14. Click **Save & Apply**.

15. Click to the **ePaper Manager** tab, and then click **EPD Hub Configuration**.

16. Enter the IP address (192.168.100.10) of the WBP Gateway.

17. Click **Save & Apply**.

18. Repeat this process for the WBP Router B.

1. Connect the WBP Gateway to a power source.

2. Power on the WBP Gateway.

3. Connect it with a display monitor (via HDMI).

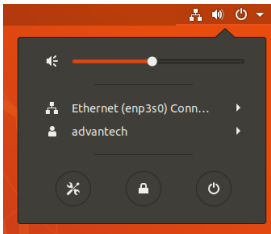





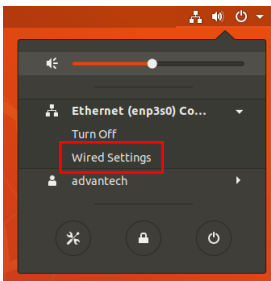
4. Connect input devices (keyboard and mouse).



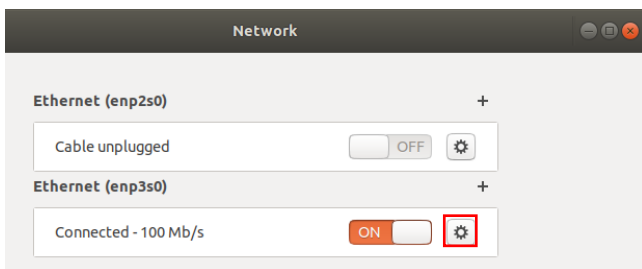
5. Login to the WBP Gateway.  
Account: **advantech**  
Password: **P@ssw0rd**



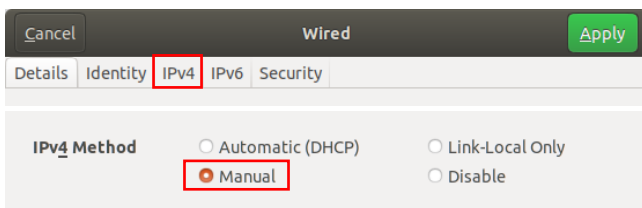
6. Click the network icon  on the top left corner.



7. Click **Wired Settings**.



8. Click the **setting** icon from the active Ethernet option.



9. Click the **IPv4** tab.

10. Click radio button of the IPv4 Method: **Manual**.

Addresses		
Address	Netmask	Gateway
192.168.100.10	255.255.255.0	

Apply



11. Enter the pre-defined **IP address** (192.168.100.10) for the WBP Gateway.
12. Enter the Netmask: **255.255.255.0**
13. Click **Apply**.
14. Connect the WBP Gateway to the network switch via an Ethernet cable.

#### 4. Deploy Routers to Gateway:



192.168.100.10:8080

### DeviceOn/ePaper

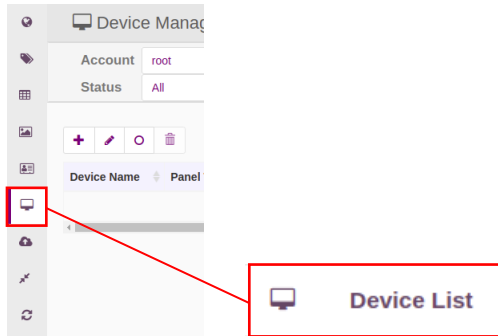
Sign in to EPD

root
*****

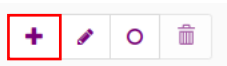
Remember me !

Sign in

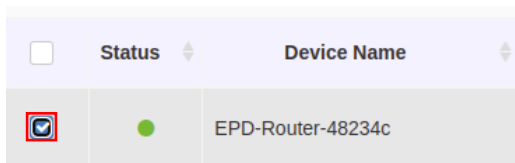
1. Connect your PC to the switch.
2. Open a browser, visit 192.168.100.10:8080
3. Enter credential to **DeviceOn/ePaper** (Login:root,Password:P@ssw0rd)
4. Click **Sign in**.



5. Click the **Device List** tab from the left menu.



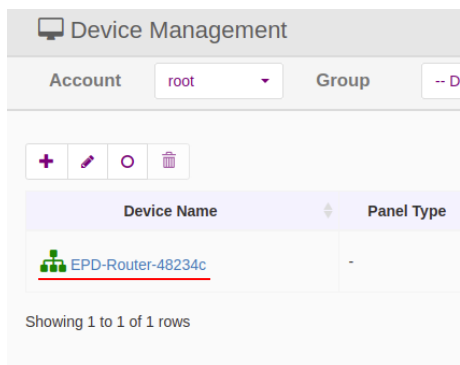
6. Click **Add device**.



7. Select the newly-added WBP Router from the list.



8. Click **Finish**.



9. Device added.

## 5. Add E-paper Booking Panels to the WBP Gateway's white list:

The MAC address of device will be added to the WBP Gateway's white list as an identifier. There are two methods to add devices on the white list:

- Method 1: Import the MAC addresses at once with a CSV file.
- Method 2: Enter the MAC addresses one by one manually.

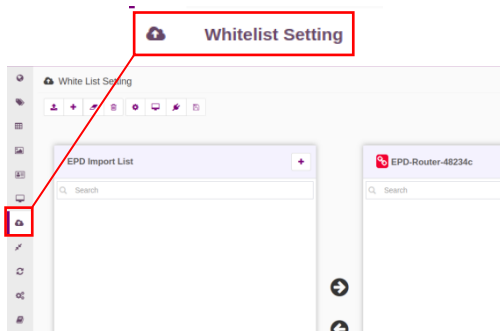


Method 1: Import the MAC addresses at once with a CSV file.

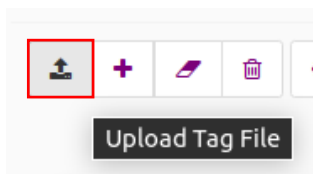
1. Collect the **MAC address** (printed as QR code/numbers) of E-paper Booking Panels and it on a CSV file.



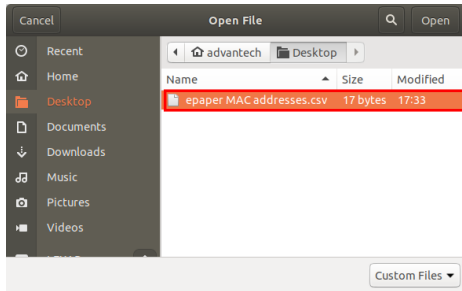
2. Copy this CSV file on the WBP Gateway.



3. Click the **White List Setting** tab from the left menu.



4. Click **Upload Tag File**.



5. Select the CSV file or manually enter the MAC addresses.



### Import file

Import this file?



6. Click **OK**.

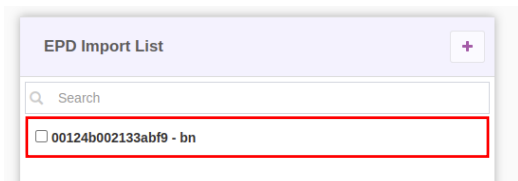


### Information

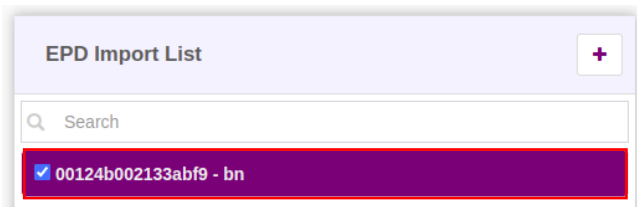
Upload successfully!



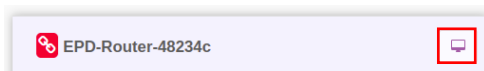
7. Click **OK** again.




8. This E-paper Booking Panel is added to the Import List.



9. Select the **MAC addresses** of E-paper Booking Panel.



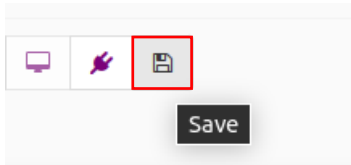
10. Click the WBP Router Icon  to Change Gateway (Router) if needed.

## Change Router

EPD-Router-48234c

OK

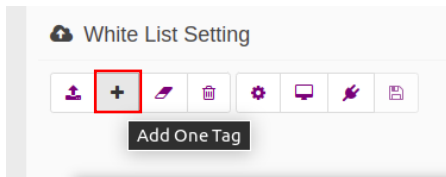
Cancel



11. Select a WBP Router for the device.

12. Click the **Right Arrow** icon.

13. Click **Save.**



Method 2:

Enter the MAC addresses one by one manually.

14. Click **Add One Tag.**



MAC Address of EPD:

00124B002133ABF9

OK

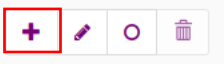
Cancel

15. Enter a MAC address to the text box.

16. Click **OK.**



## 6. Deploy e-paper tags:

 **Device List**



<input type="checkbox"/>	Status	Device Name	Agent ID
<input type="checkbox"/>	●	EPD-Tag-33ae29	00000001-0000-0000-0012-4b002133ae29
<input type="checkbox"/>	●	EPD-Tag-33ad38	00000001-0000-0000-0012-4b002133ad38
<input type="checkbox"/>	●	EPD-Tag-33abf8	00000001-0000-0000-0012-4b002133abf8
<input type="checkbox"/>	●	EPD-Tag-33ad1d	00000001-0000-0000-0012-4b002133ad1d
<input checked="" type="checkbox"/>	●	EPD-Tag-33abf9	00000001-0000-0000-0012-4b002133abf9

**Finish**

Device Name	Panel Type	Messages	Children Devices
 EPD-Router-48234c	-	Normal	● 1 / ● 0
 EPD-Tag-33abf9	EPD-023R	Normal	

Showing 1 to 2 of 2 rows

1. On the WBP Gateway, click the **Device List** tab.
2. Click **Add device**.
3. Select the E-paper Booking Panels you want to add.
4. Click **Finish**.
5. The status icon of the E-paper Booking Panels will turn green after a few seconds.

Installation completed.

For more information, contact [Solution@iadea.com](mailto:Solution@iadea.com)