



## **Release Note**

**Edgecore EAP102 Release v12.5.7**

**Document #** EAP102-v12.5.7-1447-d691fa39d

Enhancement from v12.5.5-1431-e3f388a82

## Table of Contents

<b>1 Feature.....</b>	<b>3</b>
1.1 Support DFS channel in Open Mesh.....	3
<b>2 Issue Fixed .....</b>	<b>4</b>
2.1 Client information will not be updated in cloud when connecting to Dynamic VLAN SSID. .....	4
2.2 The 2.4GHz and 5GHz SSIDs are not broadcasting or connecting occasionally.....	4
2.3 The AP occasionally reboots due to a crash in the Wi-Fi chip offload firmware.....	4
2.4 The wireless client information on the dashboard is incorrect when the client is connected to the Dynamic VLAN SSID.....	4
2.5 SSID and VLAN interface status on the dashboard will occasionally be missing. ....	4
2.6 The security field is not correct after deleting the SSID. ....	4
2.7 The wireless client IP on the dashboard is N/A when some clients are connected to the SSID.....	5
<b>3 Known Issue.....</b>	<b>6</b>
3.1 The connection of Microsoft surface laptop is unstable using WPA2-PSK SSID.....	6
3.2 The SSID compatible issue in Windows 10 devices with the specific ethernet card. ....	6
3.3 The dynamic VLAN is not supported in the mesh network. ....	6
3.4 There is a low probability that the mesh connection can't recover after MAP is re-configured. ....	6
3.5 Authport with VLAN tagged does not support on IOS device.....	6
3.6 When upgrading the FW from 12.0.0, Hotspot controlled SSID can only work after an additional reboot. ....	6
3.7 The captive portal cannot be popped up sometimes in the open roaming SSID. ....	6
<b>4 Compatible Version for AP Management .....</b>	<b>7</b>

# 1 Feature

## 1.1 Support DFS channel in Open Mesh

When Open Mesh is enabled on the 2.4GHz or 5GHz wireless band, the DFS channel can be selected in this version.

Note that when open mesh is enabled, only one DFS channel can be selected. If interference is detected, the open mesh cannot be established successfully. It is recommended to use a non-DFS channel to set up the mesh network.

Limitation: In this version, the DFS channel can only be used in 20MHz and 40MHz in open mesh.

## 2 Issue Fixed

### 2.1 Client information will not be updated in cloud when connecting to Dynamic VLAN SSID.

When a client connects to an SSID with Dynamic VLAN, the ecCLOUD webUI displays correct details but shows incorrect or missing IP information, and marks the client as offline. In this version, the issue has been resolved.

### 2.2 The 2.4GHz and 5GHz SSIDs are not broadcasting or connecting occasionally.

The 2.4GHz and 5GHz SSIDs from AP were not broadcasting or connecting occasionally. In this version, the issue has been resolved.

### 2.3 The AP occasionally reboots due to a crash in the Wi-Fi chip offload firmware.

The issue was caused by a memory overflow in MU-RTS frames during the UL-OFDMA process after BSRP transmission. This overflow occurred due to incorrect handling of MU-RTS frame processing in the Wi-Fi chip offload firmware, leading to AP reboots occasionally. In this version, the issue has been resolved by updating to the latest offload firmware preventing further memory overflows.

### 2.4 The wireless client information on the dashboard is incorrect when the client is connected to the Dynamic VLAN SSID.

The dashboard displays incorrect wireless client information when a client is connected to the Dynamic VLAN SSID. In this version, the issue has been resolved.

### 2.5 SSID and VLAN interface status on the dashboard will occasionally be missing.

After creating multiple SSIDs and multiple VLANs, some SSIDs and interface statuses on the dashboard intermittently disappear after a certain period of time. In this version, the issue has been resolved.

### 2.6 The security field is not correct after deleting the SSID.

Add multiple SSIDs with WPA2-Personal. After deleting one of the SSIDs, if the security of the other SSIDs change to 'No Security', the WPA2-Personal-related field still remains. In this version, the issue has been resolved.

**2.7 The wireless client IP on the dashboard is N/A when some clients are connected to the SSID.**

The wireless client IP on the dashboard displays as N/A for certain clients connected to the SSID. This issue has been resolved in this version.

### 3 Known Issue

**3.1** The connection of Microsoft surface laptop is unstable using WPA2-PSK SSID.

**3.2** The SSID compatible issue in Windows 10 devices with the specific ethernet card.

Using Intel AX200 (old version) or Realtek RTL8822BE with Windows 10 devices, The ping connection is randomly disconnected if the devices are connected to the SSID.

Note that there is no connection issue if the driver of Intel AX200 is updated to 22.60.0.6 or later version.

**3.3** The dynamic VLAN is not supported in the mesh network.

**3.4** There is a low probability that the mesh connection can't recover after MAP is re-configured.

In mesh topology, after MAP reboots or reconfigures the network configuration, there is a low probability that it takes a long time (~30mins) to rebuild the mesh connection. After rebooting all the AP, the mesh connection recovers.

**3.5** Authport with VLAN tagged does not support on IOS device.

**3.6** When upgrading the FW from 12.0.0, Hotspot controlled SSID can only work after an additional reboot.

**3.7** The captive portal cannot be popped up sometimes in the open roaming SSID.

## **4 Compatible Version for AP Management**

Compatible with ecCLOUD

Compatible with EWS-Series controller v3.91.0000 or later