



## **Release Note**

**Edgecore EAP101 Release v12.2.0**

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# 1 Feature

## 1.1 802.11v

SECURITY SETTINGS

Method

Encryption

Key

Multiple Keys

Enter one Key and optional MAC per line.  
Example: 12345678 00:12:34:56:78:9a

PMF

802.11k  OFF

802.11r  OFF

802.11v  OFF

Support 802.11v on the Radio 5/2.4 GHz page of Wireless.

The following item is displayed on this page:

1. 802.11v — Enables or disables the 802.11v feature.

## 1.2 Airtime Fairness

PHYSICAL RADIO SETTINGS

Status  ON

Mode

802.11 Mode

Channel Bandwidth

Channel

WME Configure

Beacon Interval

Bandsteering  OFF ?

Airtime Fairness  OFF ?

Support Airtime Fairness on the Radio 5/2.4 GHz page of Wireless.

The following item is displayed on this page:

1. Airtime Fairness — Enables or disables the Airtime Fairness feature. Enabling this feature improves the overall performance of wireless network.

### 1.3 BLE Scan

BLE

Send iBeacon

UUID  -  -  -  -

Major

Minor

Tx Power

BLE Scan

Support BLE Scan on the Services page of System.

The following item is displayed on this page:

1. BLE Scan — Click the button to get the BLE scan result. The MAC address, signal, and type of BLE are displayed on the page. Only four types of BLE are displayed on the BLE scan page.
  - a. EddyStone-UID
  - b. EddyStone-URL
  - c. EddyStone-TLM
  - d. ibeacon

BLE SCAN
BLE Scan Now
✕

MAC Address	Signal	Type
51:F2:DE:6F:5F:5A	-74dBm	ibeacon
52:3A:8D:30:CF:64	-75dBm	EddyStone-UID
56:62:39:B2:7B:DB	-73dBm	EddyStone-URL
6E:A3:1A:DA:CA:DF	-81dBm	EddyStone-TLM
79:2C:9F:37:EC:8A	-84dBm	EddyStone-UID
7E:67:D5:E9:78:C7	-74dBm	ibeacon

## 1.4 SNMP Trap

SNMP

SNMP Server

Read Community

Write Community

IPv6 Read Community

IPv6 Write Community

Trap

Server IP

Support SNMP trap on the Services page of System.

The following items are displayed on this page:

1. Trap — Enables or disables the SNMP trap feature.
2. Server IP — Specifies the IP address of a SNMP trap server that will be sent trap messages including cold start, warm start, link up and link down.

## 1.5 Remove the BSS coloring value 0 from UI

BSS coloring  ?

In this version, remove the BSS coloring value 0 from UI. The valid range of the BSS coloring is 1-64.

## 2 Issue Fixed

### 2.1 Interference detection is not working properly.

Interference detection is not working sometimes. The function can work after the device is rebooted. This issue has been resolved in this version.

### 2.2 The UI is not correct when the security is set to WPA3 Enterprise 192-bit.

Create the SSID with WPA3 Enterprise 192-bit. After clicking the “Save and Apply” button, the security of this SSID displays no security on the radio setting page. In this version, the security of the SSID is shown as WPA3 Enterprise 192-bit.

### 2.3 The CAPWAP setting is not correct when the controller management is selected in the setup wizard.

Reset the AP to default setting. Select controller managed and enter the controller IP address in the setup wizard. After the done button is selected, the CAPWAP is not enabled on the System Settings page of System. This issue has been resolved in this version.

### 2.4 The channel list of 40MHz is not correct.

Go to the Radio 2.4 GHz page of Wireless using the Firefox browser. Select the 40MHz in the channel bandwidth. The channel list of 40MHz is not correct. In the previous version, if the channel list of 20MHz is channel 1-13. The channel list of 40MHz is channel 1-13. This issue has been resolved. In this version, the channel list of 40Mhz is channel 1-9.

### 2.5 Hotspot doesn't work occasionally when applying the configuration from ecCLOUD.

Enable Hotspot on ecCLOUD and create the multiple SSIDs. Clients can't connect to the internet occasionally when clients are associated to the SSID with Hotspot controlled. 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 connection of the devices is unstable connecting 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 Multiple Keys of WPA3 Personal Transition is not supported on iOS devices.

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

**3.5** 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.

**3.6** When the EAP works as the client mode, the station of the AP can't get the IP address from some DHCP servers (SP-W2-AC1200).

**3.7** The radio driver cannot be recovered automatically from random crash and cause the device reboot in some harsh scenarios.

**3.8** The successful page can't be popped up occasionally after applying the template with complete and split tunnel.

AP is managed by EWS-Series controller. Apply the template with complete and split tunnel SSID to the AP. Clients can't see the successful login page occasionally when they enter the correct username and password on the web page. Please update the controller to the latest

version to fix the issue.

**3.9** It is not supported when the dynamic VLAN Id is the same as the static VLAN Id.

**3.10** The AP does not support split tunnel with WPA2 enterprise SSID.

**3.11** The cold start trap message is sent to the SNMP trap server after the radio is down or up.

Set the SNMP trap server. After the radio is down or up, the cold start trap message is sent to the trap server along with link down or up.



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

Compatible with ecCLOUD

Compatible with EWS5203 v3.60.0100 or later