Release Note

Edgecore EAP101 Release v12.5.9

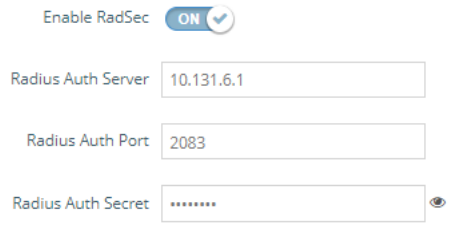
Document # EAP101-v12.5.9-1457-f754fbff3

Enhancement from v12.5.7-1447-d691fa39d

Table of Contents

1 Feature

1.1 Support RADIUS over TLS (RadSec)



Support for RADIUS over TLS (RadSec) on the wireless SSID.

1. Enable RadSec: Enable or disable RADIUS over TLS (RadSec) feature for secure authentication and communication between the RADIUS server and the client.

2 Issue Fixed

2.1 Signal displayed for wireless client is not correct on the cloud dashboard.

The client connected to the AP, but the signal (RSSI) value is incorrect on the Cloud Dashboard. In this version, the signal value is correctly obtained from the client.

2.2 The Ethernet port does not display the link speed of the AP on the cloud.

When viewing the AP device in the cloud management interface, the link speed for each Ethernet port is not displayed. In this version, the cloud dashboard should display the current link speed (e.g., 100 Mbps, 1000 Mbps) for each of the AP’s Ethernet ports.

2.3 Unable to display all client information when using different VLANs within the same SSID.

When using dynamic VLANs with a single SSID, the dashboard's wireless status page previously displayed information only for clients on the first VLAN encountered, omitting clients on other VLANs. This issue is resolved in the current version, which correctly displays all client information for dynamic VLANs.

2.4 5GHz signal transmission occasionally stopped after the setting change.

After establishing a successful CAPWAP connection between the AP and the controller, repeatedly rebooting or reconfiguring the AP resulted in an inconsistent 5GHz radio status, where the 5GHz signal transmission occasionally stopped. This issue has been resolved in this version.

2.5 Synchronization with ecCLOUD occasionally fails after firmware upgrades.

On the AP side, an AP is experiencing a configuration version mismatch error during synchronization with ecCLOUD. This issue has also been observed by customers during AP upgrades. The issue has been resolved in this version.
On the cloud side, the mechanism for handling AP configuration version mismatches during synchronization with an AP has been enhanced. Following this enhancement, the mismatch issue has been resolved.

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.

3.8 The WPA3 Personal Transition SSID is not supported on Mac and iOS devices that do not support Wi-Fi 6 (802.11ax).

● Which Mac and iOS models support Wi-Fi 6?

The following Mac, iPhone, and iPad models support Wi-Fi 6 (802.11ax):

<Mac>

the following models with Apple silicon (M1 chip) released in 2020 or later

- ➢ MacBook Air（M1、2020）
- ➢ 13-inch MacBook Pro (M1, 2020)
- ➢ 14-inch MacBook Pro (2021)
- ➢ 16-inch MacBook Pro (2021)
- ➢ 24-inch iMac (M1, 2 ports, 2021)
- ➢ 24-inch iMac (M1, 4 ports, 2021)
- ➢ Mac mini（M1、2020）

<iPhone>

- ➢ iPhone 11 and later
- ➢ iPhone SE (2nd generation) <iPad>
- ➢ iPad Pro 12.9-inch (4th generation, 2020) and later
- ➢ iPad Pro 11-inch (2nd generation, 2020) and later
- ➢ iPad Air (4th generation, 2020) and later
- ➢ iPad mini (6th generation, 2021) and later

If your device is older than the ones mentioned above, there may be a potential issue preventing it from connecting.

<Solution and workaround>

● Configure WPA2 Only Mode:

Users can switch the SSID security setting to WPA2-PSK only. This ensures compatibility with nearly all older devices.

● Avoid WPA3 Personal Transition Mode:

If WPA3 is desired, consider using WPA3 Personal only, rather than the personal transitional mode — which may cause more compatibility issues on older Apple devices.

● Change Frequency Band Settings:

If the AP supports the 6 GHz band, users can try configuring the AP to use the 2.4 GHz or 5 GHz bands, ensuring that older devices can detect and connect to the network.

● Update Device Firmware:

Ensure all devices are running the latest operating system and firmware versions, as updates may include support for WPA3 and 802.11ax, thus reducing compatibility issues.

● Create Separate SSIDs:

For environments with mixed clients, create separate SSIDs:

- ➢ One with WPA2-PSK for older devices
- ➢ Another with WPA3-Personal for newly devices.

4 Compatible Version for AP Management

Compatible with ecCLOUD
Compatible with EWS-Series controller v3.91.0000 or later