Edge-corE

Release Note

Edgecore EAP101 Release v12.5.0
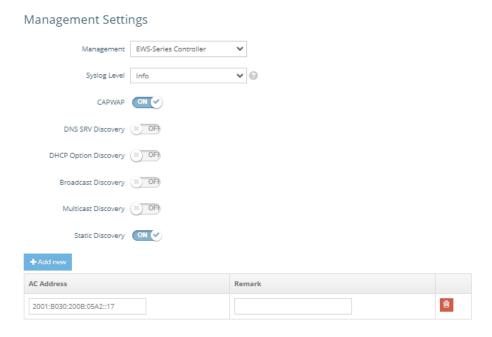**Document #** EAP101-v12.5.0-1349-404c6ea90

Enhancement from v12.4.9-1299-2b7f49c10

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1 Feature

1.1 Support IPv6 CAPWAP Tunnel

Support IPv6 CAPWAP Tunnel on the System settings page.

1. AC Address: Enter an IPv6 IP address when establishing the IPv6 CAPWAP tunnel with controller.

Note that this version is only compatible with EWS-Series controller v3.91.0000 or later.

1.2 Support South Korea Regulation

Support South Korea Regulation. The supported channels are listed below.

1. 2.4GHz: channel 1-13
2. 5GHz: channel 36-64 channel 100-140

1.3 Open Mesh Enhancement

In this version, the mesh version has been upgraded to address the issue of ping loss in the mesh.

Please refer to the following method to upgrade the firmware with mesh topology.

It's important to note that the mesh cannot be established with different mesh versions. If the APs are already in a mesh, upgrade the firmware starting from the farthest MAP and concluding with the MPP. If no mesh exists among the APs, upgrade all APs to the provided firmware and then proceed to establish the mesh network.

1.4 Upgrade the version of OpenSSL

Upgrade the version of OpenSSL. The following vulnerability is fixed in this version.

1. CVE-2023-0286
2. CVE-2022-4304
3. CVE-2023-0215
4. CVE-2022-4450
5. CVE-2023-0464
6. CVE-2023-0465
7. CVE-2023-0466

1.5 Support split tunnel and 802.1X authentication using an external RADIUS server

When AP is managed by controller, the SSID can support the split tunnel and 802.1X authentication with an external RADIUS server.

1.6 TX Power Enhancement

When selecting multiple 5GHz channels, the new version can select the higher TX power.

2 Issue Fixed

2.1 ARP Inspection does not function properly when the Windows Netcut is in use.

Enable ARP inspection. The Windows Netcut can successfully disconnect other devices when the clients connect to the SSID bridged to the Internet. However, in this version, the Windows Netcut cannot disconnect other devices when ARP inspection is enabled

2.2 Clients cannot obtain an IP address under the hotspot with a simple password-only splash page setting.

iPhone and Android clients are unable to obtain IP addresses when using the hotspot with a simple password-only splash page. In this version, the issue has been resolved.

2.3 Clients experience intermittent connectivity issues when connecting to the SSID routed to the Internet.

When clients connect to the SSID routed to the Internet, they experience a brief period where they cannot connect to the Internet, but can establish a connection after a while. In this version, the issue has been resolved.

2.4 The bandwidth control of Openroaming can't work normally when only setting one bandwidth rule in the radius server.

If only WISPr-Bandwidth-Max-Down or WISPr-Bandwidth-Max-Up is set in the RADIUS server, the bandwidth control for openroaming doesn't function correctly. In this version, the issue has been resolved.

2.5 Some syslog messages are changed to the 'Notice' syslog level.

Some syslog messages were generated at the 'Notice' syslog level. Even the warning message has been changed to 'Notice'.

2.6 The hostname can't display correctly when certain windows clients are connected to the SSID.

When certain windows clients are connected to the SSID, the hostname shows N/A on the wireless status of dashboard. After the issued is fixed, the hostname can be displayed correctly.

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 AP does not support split tunnel with WPA2 enterprise SSID.

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

3.9   Hotspot upload bandwidth limitation per client does not function.

4 Compatible Version for AP Management

Compatible with ecCLOUD

Compatible with EWS-Series controller v3.91.0000 or later