Release Note

Edgecore EAP104 Release v12.1.0

Document # EAP104-v12.1.0-760-6f3567ae

Enhancement from v12.0.0-662-acc0cdd8

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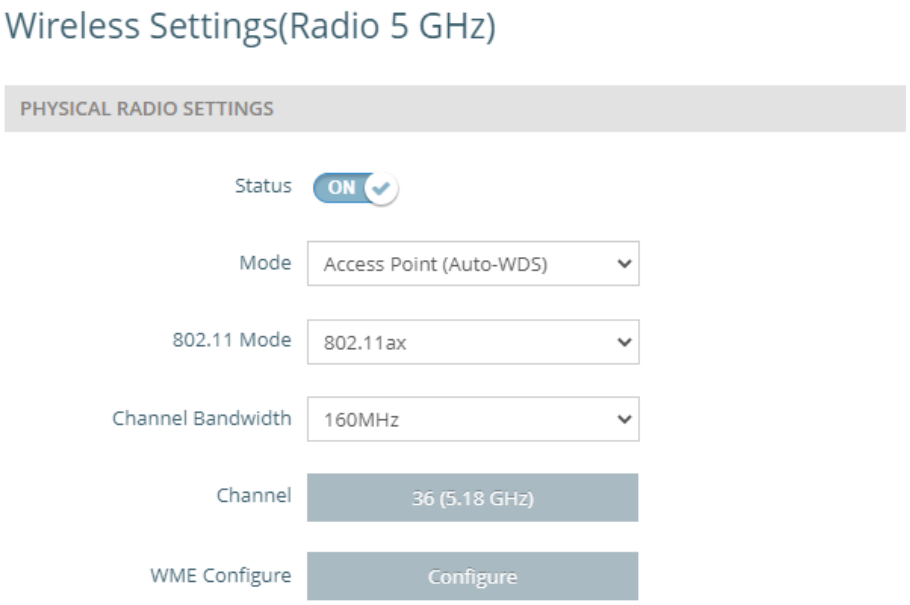
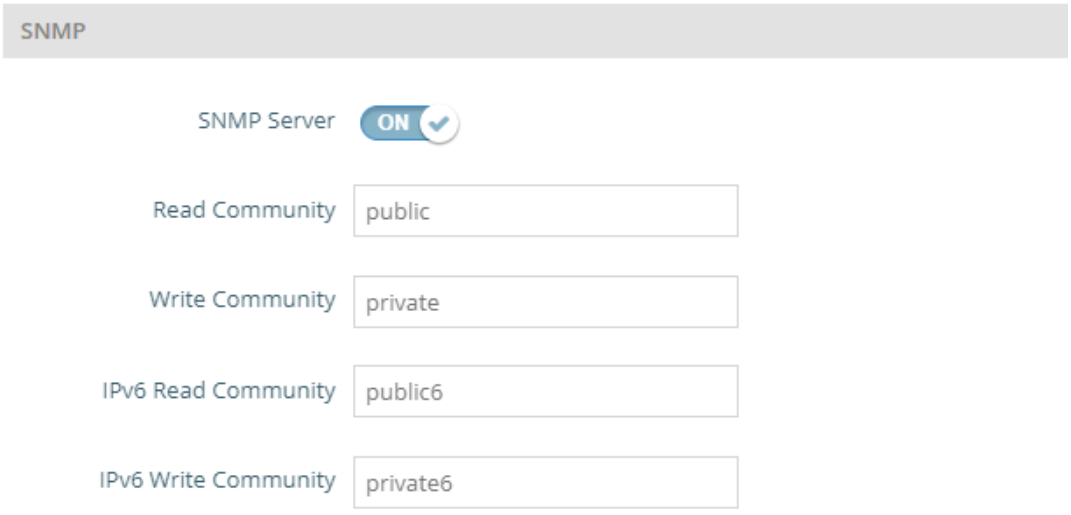
1 Feature

1.1 Support 5GHz 160Mhz



Add the 160Mhz option on the Radio 5 GHz page of Wireless.

1.2 SNMP Read Community

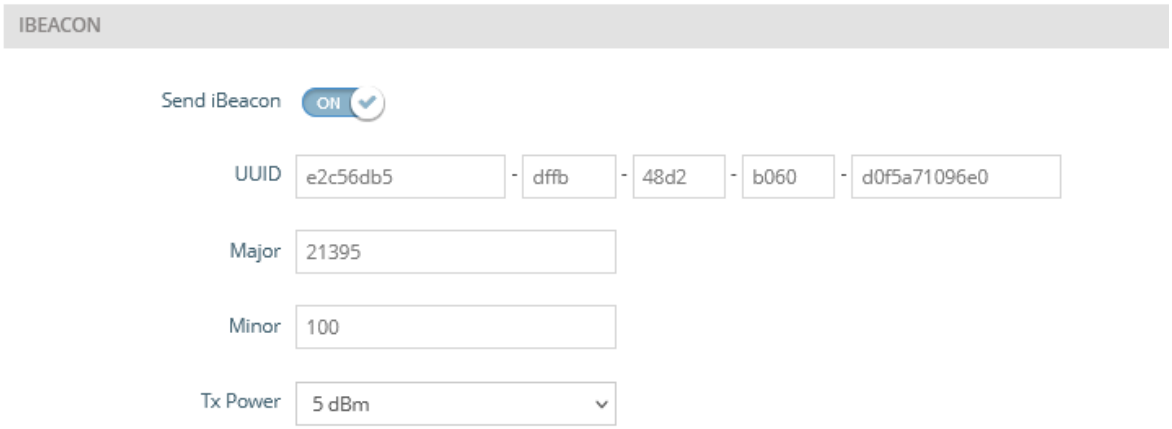


Support SNMP read community on the Services page of System.

The following items are displayed on this page:

1. Read Community — A community string that permits read access to the access point's Management Information Base (MIB).
2. IPv6 Read Community — A community string that permits IPv6 read access to the access point's Management Information Base (MIB).

1.3 BLE TX Power



Support BLE TX power on the Services page of System.

The following items are displayed on this page:

1. TX power — Adjust the power of BLE signals.

1.4 Interference Detection

Support interference detection on the Radio 5/2.4 GHz page of Wireless.

The following item is displayed on this page:

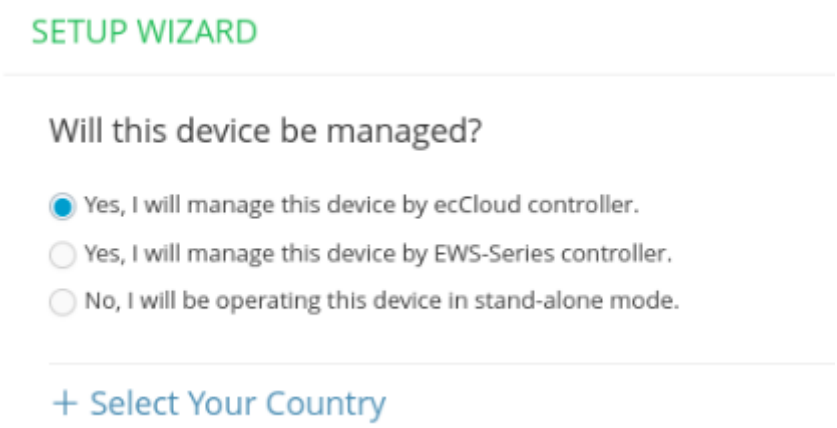
1. Interference detection — Enables or disables the feature that when Utilization of the current channel or adjacent channel reaches the configured threshold (in %), the AP switches to a different Channel. Set this field to 0 to disable this feature.

1.5 Zero touch provisioning

Add the mechanism to achieve zero touch provisioning that AP is managed by ecCLOUD or EWS-Series controller automatically. Connect the WAN of AP to the Internet. If the AP is registered on the ecCLOUD, AP will be managed by ecCLOUD automatically. In addition, if there is the DHCP option 138 to have the controller IP, AP will be managed by EWS-Series controller.

1.6 Remove uCentral cloud option in the setup wizard

Reset AP to the default value. In the setup wizard, uCentral cloud option is removed.



1.7 Modify the default value of Minimum signal allowed

The original default value of minimum signal allowed is 0. In this version, the default value is modified to 30.

2 Issue Fixed

2.1 AP is reset to default in the specific site when upgrading the FW from ecCLOUD.

AP is managed by ecCLOUD. When upgrading the FW, AP is reset to default in the specific site. This issue has been resolved in this version.

2.2 AP can’t create the network interface sometimes when managed by ecCLOUD and DHCP relay is enabled.

AP is managed by ecCLOUD. Enabled DHCP relay on ecCLOUD. AP can’t create the network interface sometimes. This issue can be solved after AP is rebooted. This issue has been resolved in this version.

2.3 AP responds the DNS query when the IP of nslookup is set to the WAN IP of AP.

Run nslookup command and set the DNS IP to the WAN IP of AP. Nslookup will get the DNS query respond from the AP. This version has fixed this issue.

2.4 Track connections of Remote system log can’t work properly.

Enable remote system log and input the syslog server IP. Enable track connections button. After the settings are applied, track connections can’t work normally. This issue has been resolved in this version.

2.5 DFS channel can’t be used when establishing mesh link.

If DFS channel is used, mesh link can’t be established successfully. This is the limitation of mesh link. The AP channel must use non-DFS channel to establish the mesh connection. In this version, when the mesh is enabled, DFS channel can’t be selected from UI. This issue has been resolved in this version.

2.6 The AP reboots occasionally for out of memory if there are many clients associated with the AP.

If there are many clients associated with the AP, the memory usage of AP will increase over time. The AP reboots if the memory of AP is out of usage. After fixing the memory increase issue, AP would not reboot automatically.

2.7 The radius server display is not correct when the SSID is split tunnel with

Enterprise security.

Assign the template from controller. If the SSID is split tunnel with WPA/WPA2-EAP or WPA3-Enterprise, the radius configuration can be modified on AP. With split tunnel, the radius related settings only can be set to controller.

2.8 Client mode is not working.

Create the SSID with bridge to internet in AP1. Set client mode in AP2. AP2 is associated to the SSID of AP1. AP2 can’t be connected to the Internet. This issue has been resolved in this version.

2.9 Limit upload and download is not working sometimes.

Create the SSID and set upload and download rate. Client is connected to the SSID and use iperf tools to test the speed. Sometimes the download and upload rate can’t be limited to the rate AP set. This issue has been resolved in this version.

2.10 User name is not correct on the controller when the SSID is split tunnel.

On the controller, apply the template with split tunnel SSID to the AP. When clients are connected to the SSID. The user name can’t be displayed correctly on the user list of controller. This issue has been resolved in this version.

2.11 The FW version of alternative bootbank can’t be displayed when AP is managed by ecCLOUD.

Reset the AP to default value. When AP is managed by ecCLOUD, the AP list only display the FW version of current bootbank. After fixing the issue, the alternative bootbank can be displayed correctly when AP is managed by ecCLOUD at the first time.

2.12 There is no error message when applying the incorrect value in the LAN settings page.

In the LAN settings page, enter the incorrect value. When clicking the “Save and Apply” button, the incorrect value can be set to the AP. This issue has been resolved in this version.

2.13 The AP can’ work normally when the country code of AP is set to the specific countries.

When the country code of AP is set to the specific country, there is the kernel dump message and AP keeps rebooting. This issue has been resolved in this version.

2.14 The AP can’t pop up the login page when applying the New Generation template with split tunnel and guest network behavior SSID.

On the controller, applying the New Generation template with split tunnel and guest network behavior SSID to the AP. When the clients is connected to the SSID, the login page can’t be pop up. This issue has been resolved in this version.

2.15 Fail to display the Acct Interim Interval when applying the New Generation template with split tunnel SSID.

On the controller, applying the New Generation template with split tunnel SSID to the AP. The Acct Interim Interval is hidden. After fixing the issue, the Acct Interim Interval is displayed on the UI.

2.16 The root account can’t modify the local configurable SSID when AP is managed by ecCLOUD.

AP is managed by ecCLOUD. Enable local configurable in the SSID. Use root account to login AP. The local configurable SSID can’ be modified. This issue has been resolved in this version.

2.17 The AX201 device with b mode can’t connect to the 2.4GHz SSID.

In the AP, create the SSID with no security and set the mode to bgn. In AX201 device, set the mode to b mode. The device can show the SSID in the list, but it can’t connect to this SSID. This issue has been resolved in this version.

2.18 The model name is not correct in the discovery tool.

Use discovery tool to scan the AP. The model name is not correct. After fixing the issue, the model name can be display correctly by different model.

2.19 The hotspot 2.0 option can’t be displayed when the security of SSID is WPA3-Enterprise 192-bit.

Create the SSID with the WPA3-Enterprise 192-bit. The hotspot 2.0 option is displayed on the UI. After fixing the issue, the hotspot 2.0 option is hidden.

2.20 The radius authentication and accounting related configuration can’t be modified after applying the New Generation template with split tunnel and enterprise security SSID to the AP.

On the controller, applying the New Generation template with split tunnel and enterprise security SSID to the AP. The radius authentication and accounting related configuration can be modified on the SSID of AP. After fixing the issue, these configurations can’t be modified the UI.

2.21 There is the default URL of smart indoor location.

Reset the AP to the default setting. In the /etc/config/addon, it contains the default URL of smart indoor location. After fixing the issue, the default URL has been removed in the configuration.

2.22 The AP can get IP address for VLAN interface.

Create the multiple SSIDs with VLAN tagged traffic. The AP gets the IP address for all the VLAN interface configured in the SSID. After fixing the issue, the AP won’t get the IP in this scenario.

2.23 The radio 5 GHz can’t work normally occasionally.

After rebooting the AP or configuring the wireless settings, the radio 5 GHz can’t work occasionally. In this version, this issue has been fixed.

2.24 In smart indoor location solution, the binding page is not popped up with VLAN tag SSID.

Enable smart indoor location solution on ecCLOUD. Create the SSID with VLAN tag SSID. When clients associated to this SSID, the binding page is not popped up. This issue has been resolved in this version.

2.25 Authport doesn’t work in the 5GHz SSID with VLAN tag traffic.

Enable Authport on ecCLOUD, create the multiple SSIDs. Clients can’t connect to the internet when clients are associated to the some 5GHz SSID with VLAN tag. This issue can be solved after AP is rebooted. This issue has been resolved in this version.

2.26 The AP configuration is not correct after upgrading the FW twice.

Upgrading the FW from version 11 to version 12 twice. The configuration of AP will be reset to default. This issue has been resolved in this version.

2.27 The Controller can’t get the IP address of associated clients from the AP

when the AP is managed by the controller.

The AP is managed by controller. When clients are connected to the SSID, the controller can get the IP address of associated clients from the AP correctly on the AP online users list page.

2.28 The mesh can’t work normally sometimes when change the behavior of mesh.

Enable the mesh on 2.4GHz or 5Ghz. Switch the network behavior of mesh or reenable the mesh. Sometimes, the mesh can’t work normally. This issue has been resolved in this version.

2.29 The WAN of AP can’t get the IP sometimes when AP is managed by ecCLOUD.

AP is managed by ecCLOUD. When AP is managed by ecCLOUD, the WAN of AP can’t get the IP sometimes. After AP is rebooted, AP can get the IP from WAN. This issue has been resolved in this version.

2.30 There is an error message when uploading the certificate to the AP.

Upload the certificate to the Upload certificate page of system. The UI will display an error message “The uploaded file does not contain a supported format”. This issue has been resolved in this version.

3 Known issue

3.1 The connection of specific Microsoft surface devices is unstable using WPA2-PSK SSID.

If the 5Ghz SSID is set to WPA2-PSK SSID, the connection of some Microsoft surface devices is unstable.

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 can’t work on iOS devices.

Create the SSID with WPA3 personal transition. Enter the password in the multiple keys field. The iOS devices can’t connect to this SSID using multiple keys.

3.4 Hotspot with external captive portal can’t work with https.

Enable https in the hotspot settings page of network. Create the SSID with Hotspot controlled. This SSID can’t work properly.

3.5 The dynamic VLAN can’t work in the mesh network.

In the mesh topology, create the SSID with dynamic VLAN. Clients can’t connect to the internet after associated to this SSID.

3.6 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 can’t establish the mesh connection. After rebooting all the AP, the mesh connection recovers.

3.7 Clients can’t get the IP when AP is set to client mode and connected to SP-W2-AC1200.

Set AP to client mode in the radio 5 GHz. AP is connected to the SSID in SP-W2-AC1200 with AP mode. When clients are connected to the 2.4G SSID of the client mode AP, clients can’t get the IP.

3.8 There is a low probability that when lots of clients are associated with the SSID and roam frequently between the APs, the AP will automatically reboot.

Create the SSIDs. A lot of clients are connected to the SSID of the AP and roam frequently between the APs. There is a low probability that the AP reboots automatically because of the current recovery mechanism.

3.9 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.

3.10 AP can’t be managed by EWS-Series controller in the specific scenario of zero touch provisioning.

AP is reset to the default setting. Disable the CAPWAP in the controller. Connect the AP to the network environment with DHCP option 138 containing the controller IP. After a few minutes, enable the CAPWAP in the controller. Sometimes, the AP can’t be managed by the controller successfully. This issue can be solved after AP is rebooted.

3.11 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 can be solved after AP is rebooted.

3.12 The dynamic VLAN Id can’t be the same as the static VLAN Id.

Add the static VLAN ID, 100. Create the SSID with dynamic VLAN. Configure the same VLAN Id, 100, in the radius server. When the clients with VLAN Id 100 are connected to the SSID, they

can’t be connected to the Internet. If the dynamic VLAN Id is different from the static VLAN Id, the clients can be connected to the Internet normally.

4 Compatible Version for AP Management

Compatible with ecCLOUD
Compatible with EWS5203 v3.60.0100 or later