Release Note

Edgecore EAP102 Release v11.4.0

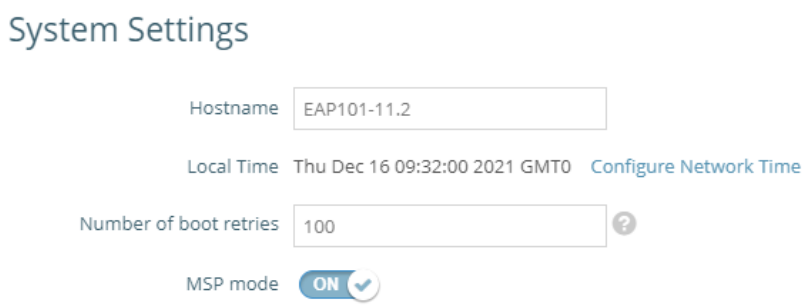
Document # EAP102-v11.4.0-1087-0cfe02d8

Enhancement from v11.3.1-1002-e7f6819f

Table of Contents

1 Feature

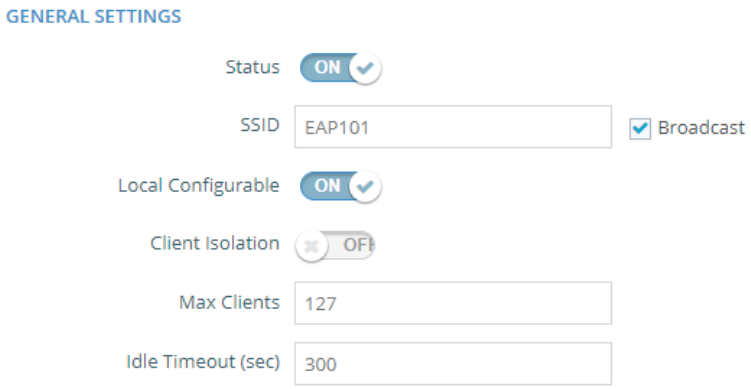
1.1 MSP Mode



Support MSP mode on the System Settings page of System.

The following items are displayed on this page:

1. MSP Mode — Enables or disables MSP mode feature



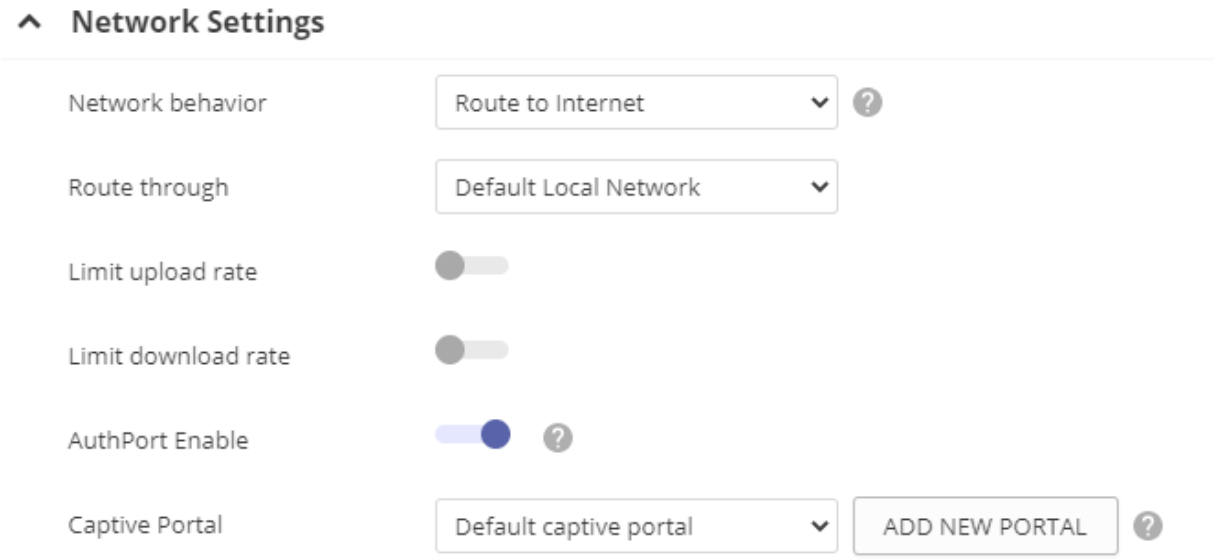
The following items are displayed on this page:

1 Local Configurable — Enables or disables local configurable settings. This setting can be enabled only when MSP mode is enabled.

1.1 Login AP with root or admin account: users can see the whole page.

1.2 Login AP with other accounts: users only can see the restricted page. When local configurable button is enabled, the corresponding SSID can be displayed and configured with other accounts.

1.2 Authport Enhancement



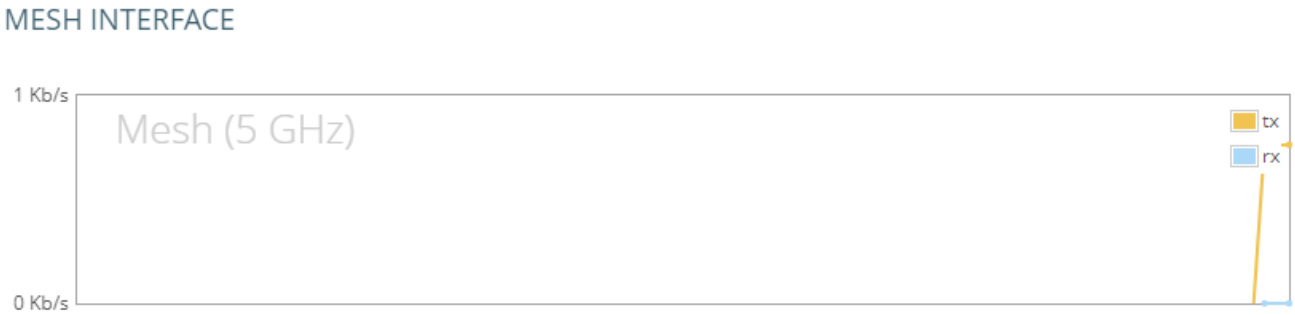
Support authport feature on ecCLOUD. When AuthPort options is enabled on ecCLOUD, users will be asked to authenticate by a ecCLOUD database before they can be granted Internet access.

1.3 SNMP OID

Support three MIB OIDs.

1. edgecoreSysInfo: 1.3.6.1.4.1.259.10.3.39.2.1
2. edgecoreAPSystemInfo: 1.3.6.1.4.1.259.10.3.39.6.1
3. edgecoreAPStaInfo: 1.3.6.1.4.1.259.10.3.39.6.5

1.4 Mesh Traffic Graph



Support the Mesh traffic graph in the traffic graphs of Dashboard.

After mesh is enabled on wireless 2.4/5GHz, the mesh traffic graph will display the traffic graphs on the dashboard.

2 Issue Fixed

2.1 The upload speed of LAN and Wireless is low on Hotspot mode

When clients are connected to the LAN and Wireless SSID which are set to “Hotspot Controlled”, the upload speed is low. This issue has been resolved in this version.

2.2 Clients can’t ping each other in the mesh network sometimes

Two APs established the mesh network. Two clients are associated to the SSID in the AP1. When client2 roams to the same SSID in the AP2, sometimes clients can’t ping each other. The issue has been resolved in this version.

2.3 Clients can’t ping each other in the mesh and LAN network sometimes

Three APs are in the mesh network topology. The LAN of AP1 is connected to the WAN of AP2. AP2 and AP3 are established the mesh network. Two clients are associated to the SSID in the AP1. When client2 roams to the same SSID in the AP2 and AP3, sometimes clients can’t ping each other. The issue has been resolved in this version.

2.4 Client RX rate shows undefined with mesh mode

When establishing the mesh link, undefined will be displayed in the Client RX rate column of mesh link in the wireless page of dashboard. The issue has been resolved in this version.

2.5 ETH0 shows wrong speed connection

In the general status page of dashboard, Ethernet port #0 (ETH0) always shows 2500M no matter which speed the ethernet port are negotiated with. This version has fixed the issue.

2.6 Fail to create the SSID with specified channel on 40Mhz of wireless 2.4GHz

If the channel of wireless 2.4GHz supports channel 1-11, the SSID with channel 8-11 can’t be created on 40Mhz of wireless 2.4GHz. After fixing the issue, UI can’t select channel 8-11 on 40Mhz of wireless 2.4GHz.

2.7 Add the Japanese translation for popup warning message

2.8 Client isolation can’t work when the network behavior of SSID is set to

dynamic VLAN

Two clients are associated to the SSID whose network behavior is dynamic VLAN. When client isolation is enabled, one client still can ping another client successfully. The issue has been resolved in this version.

2.9 The limit download/upload can’t work for dynamic VLAN client

Client is associated to the SSID whose network behavior is dynamic VLAN. When the limit download and upload are set, the upload and download speed of client are over the limitation. The issue has been resolved in this version.

2.10 Fix the mesh link disconnection after reboot or reconfiguration

In mesh topology, mesh link will disconnect sometimes after AP reboots or reconfigure the wireless configuration. In this case, all APs should be rebooted, and the mesh link will be established successfully. The issue has been resolved in this version.

2.11 Enhance the mesh stability

In the mesh topology, mesh link will disconnect sometimes during the throughput test. The issue has been resolved in this version.

2.12 The bridge and router of mesh network behavior can’t work properly.

The network behavior in eth1 and eth2 is set to “bridge to internet”. If changing the network behavior of mesh from “bridge to internet” to “router to internet”, the mesh can’t work properly. This issue has been fixed in this version.

2.13 Fix the broadcast issue on the wireless network

When two clients connect to the same SSID, the broadcast can’t work between the clients. This issue has been fixed in this version.

2.14 UI can’t save and apply configuration when managed by ecCLOUD

AP is managed by ecCLOUD. If changing the configuration in the local AP UI, it can’t save and apply the configuration. This issue has been fixed in this version.

2.15 Modify the MAC address format for SNMP

Modify the MAC address for SNMP. The original MAC format is STRING: "F8:8E:A1:54:80:F7". The modified MAC format is Hex-STRING: F8 8E A1 54 80 F7. This issue has been fixed in this

version.

2.16 The “access from WAN” of SSH can’t be enabled by SNMP

When using SNMP, the “access from WAN” of SSH can’t be enabled successfully. This issue has been fixed in this version.

2.17 AP will reboot after clients are disassociated from dynamic VLAN SSID

The network behavior of SSID is set to dynamic VLAN. Clients can connect to the Internet after connecting to this SSID. After clients are disassociated from the SSID, AP will reboot. This issue has been resolved in this version.

3 Known issue

3.1 iPhone11 or newer iPhone can’t connect to the SSID with "WPA3-Enterprise" or "WPA3-Enterprise Transition"

If the SSID is set to "WPA3-Enterprise" or "WPA3-Enterprise Transition", iPhone11 or newer iPhone can’t connect successfully.

Note that Windows10 devices can’t select "WPA3-Enterprise" option due to the Windows10 software issue, therefore, Windows10 devices can’t connect to the SSID with "WPA3-Enterprise".

3.2 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.

3.3 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.

3.4 DFS channel can’t be used when establishing mesh link

If DFS channel is used, mesh link can’t be established successfully.

3.5 Firewall rule is not working if destination is set to "Any"

3.6 The throughput of mesh link decreases after reboot or reconfiguration

In mesh topology, after AP reboots or reconfigure the wireless configuration, the throughput of mesh link will decrease.

3.7 The MAC address format is not correct for some SNMP OID

The MAC address format in edgecoreAPStaMACAddress & edgecoreAPStaSSIDMacAddress is

“Hex-String” which is not same as the previous ECW-series product. The correct format is STRING. e.g. STRING: "40:40:a6:91:bc:be"

4 Compatible Version for AP Management

Compatible with ecCLOUD
Compatible with EWS5203 v3.50.0000 or later