



## Release Note

**Edgecore EWS5204 Release v3.92.0005**

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## Revision History

Date	Version	Author	Remark
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# 1 AP Management Compatibility

## 1.1 Compatible Versions for AP Management

AP type	LAPM	WAPM	Compatible version
OAP100	V	V	3.45.0000 or newer
OAP100e	V	V	3.45.0000 or newer
EAP100	V	V	3.45.0000 or newer
ECW100	V	V	3.45.0000 or newer
ECW5210-L	V	V	3.45.0000 or newer
ECW5211-L	V	V	3.45.0000 or newer
ECW5410-L	V	V	3.45.0000 or newer
ECW05210-L	V	V	3.45.0000 or newer
ECW05211-L	V	V	3.45.0000 or newer
ECW05213-L	V	V	3.45.0000 or newer
OAP101		V	12.4.1 or newer
OAP101e		V	12.4.1 or newer
OAP101-6E		V	12.4.1 or newer
OAP101e-6E		V	12.4.1 or newer
OAP103-BR		V	11.6.4 or newer
EAP101		V	11.2.0-795 or newer
EAP102		V	11.2.0-796 or newer
EAP102-Lite		V	11.2.0-796 or newer
EAP104		V	12.0.0 or newer
SP-W2M-AC1200		V	7.0.0-2987 or newer
3rd Party		V	

## 2 Feature Enhancement

### 2.1 Support schedule reboot

To support schedule reboot for AP in WAPM > AP List > Add To Schedule Reboot

### 2.2 Support retry times for WAN FAIL detection

To support retry times for WAN FAIL detection in SYSTEM > WAN

of retry times when Internet Connection is fail by the PING. MIN:1 MAX:10

### 2.3 TRAP enhancement for HA feature

Add standby WAN1 port link down trap: SlaveWAN1down

If the Standby controller detects the link loss of WAN1 port, the Standby controller will share the information with the Active controller through the HA connection. The TRAP will sent out from the Active machine.

### 2.4 Support EAP101 Hotspot 2.0 push config by template

To support Hotspot 2.0 template for EAP101 v12.4.3(include) newer version in Template > New Generation > Hotspot 2.0 Settings

### 2.5 Support ECW5211-L Hotspot 2.0 push config by template

To support Hotspot 2.0 template for ECW5211-L v3.45.00013(include) newer version in Template > Legacy > Hotspot 2.0 Settings

### 2.6 Support band steering config on template

Support Band Steering for Legacy Template in General Settings > Band Steering Enable/Disable

### 2.7 CAPWAP tunnels can be setup under IPv6

To support CAPWAP tunnels create by IPv6, all managed AP must use same IPv6 or IPv4 protocol, not support some AP managed by IPv6, some AP managed by IPv4.

### 2.8 Support Port Location Mapping for IPv6 complete tunnel.

Support complete tunnel routing to LAN port with VLAN tag by PLM in Main > System > Port Location Mapping

## 2.9 To add Search filter in AP list for Template

To add Search filter in AP list for Template in DEVICES > AP List page.

Users can filter template to apply all the same template AP.

The screenshot shows the 'AP List' page with search filters for Type (All), Status (All), Tunnel (None), and Template (11). There are buttons for Add, Delete, Add to Map / Floor Plan, Backup Config, Restore Config, Upgrade, Apply Settings, Reboot, Export, Import, and Users. A Refresh Interval of 60 seconds is set. Below the filters is a table of APs:

Type	Name	IP	MAC	Map	Template	Status	# of Users	Tunnel	AP Admin Web	CAPWAP	AP Ver.	Serial Number	Repair Method	From Template/Config
EAP100	EAP100	192.168.2.166	68:21:5F:2D:9C:8A	Overview	11	Online	1		System Overview	RUN	3.45.0000	EC1947004733	Disabled	

## 2.10 Support RADIUS MAC ACL option in WiFi5 template

To support RADIUS ACL config in DEVICES > Template > Legacy > VAP Configuration > Access Control Type page

The screenshot shows the 'Access Control Type' configuration page. The 'RADIUS ACL' option is selected. A note states: 'Note!!! These settings will also apply to security settings which use RADIUS Server for this VAP.' The configuration includes fields for Primary RADIUS Server (Host, Authentication Port 1812, Secret Key) and Secondary RADIUS Server (Host, Authentication Port, Secret Key).

## 2.11 Support client authentication by Split tun + external RADIUS server can display in Online Users

Users can get client information which is authenticated by external RADIUS server in STATUS > Online Users > Detail page.

The screenshot shows the 'Online Users List' page with 'Detail' mode selected. The table displays online users:

No.	Username	IP Address	IPv6 Address	MAC Address	SZ / VLAN	Group / Pol	Auth. Database	Auth. Method	Pkts In/Out	Bytes In/Out
1	049226DBFF14	10.131.5.78	N/A	04:92:26:DB:FF:14	Default / TN#1.3000	N/A / N/A	EXRADIUS	802.1X Transparent	0 / 0	0 / 0

The 'Auth. Database' column is highlighted with a red box. The page shows (Total:1) and navigation options.



\* This feature is require AP version greater then 12.5.0 inclusive.

## 2.12 Support to specify different template names on both New Generation and Legacy

Users can set different template name for New Generation and Lagacy template setting.

**Template AP Setting**

Select Product Type: New Generation

Select Template: 1: vin1\_6

Template Name: vin1\_6 Apply

Country: United States

Radio: Configure

Wireless Network: Configure

**Template AP Setting**

Select Product Type: Legacy

Select Template: 1: vin1\_5

Template Name: vin1\_5 Apply

Country: USA

General Settings: Configure

VAP Configuration: Configure

**AP List**

Type: All  
 Status: All  
 Tunnel: None  
 Name:  Search

Add Delete Add to Map / Floor Plan Backup C

Type	Name	IP	MAC	Map	Template
<input checked="" type="checkbox"/>	EAP101(US) EAP101	10.131.5.71	90:3C:B3:52:9E:35	Overview	1
<input type="checkbox"/>	ECW5211-L ECW5211-L	10.131.5.149	00:1F:D4:06:F1:36	Overview	1

**Apply Setting**

Apply Settings

Apply template

Select Template: 1:vin1\_6

Change password

New Password:  \* up to 32 characters

Re-enter New Password:

Apply Cancel

**AP List**

Type: All  
 Status: All  
 Tunnel: None  
 Name:  Search

Add Delete Add to Map / Floor Plan Backup C

Type	Name	IP	MAC	Map	Template
<input type="checkbox"/>	EAP101(US) EAP101	10.131.5.71	90:3C:B3:52:9E:35	Overview	1
<input checked="" type="checkbox"/>	ECW5211-L ECW5211-L	10.131.5.149	00:1F:D4:06:F1:36	Overview	1

**Apply Setting**

Apply Settings

Apply template

Select Template: 1:vin1\_5

Change password

New Password:  \* up to 32 characters

Re-enter New Password:

Apply Cancel

## 2.13 TRAP enhancement for HA feature

Add following trap

HA Failover from Standby to Active: slavetoMaster

HA Standby down: slaveDown

HA port down: HAPortDown

HA Alternate port down: AlternatePortDown

Internet connect failed: InternetWAN1DOWN / InternetUP

## 2.14 To display the associated client which is authenticate by split tunnel + external radius in Online Users List

Add **Auth. Database** in **Online Users List > Detail** to indicate the client authentication method.

The screenshot shows the 'Online Users List' page in a network management system. The left sidebar contains navigation options like System Summary, Interfaces, Monitor Users, and WiFi Monitor. The main content area displays a table of online users. The table has the following columns: No., Username, IP Address, IPv6 Address, MAC Address, SZ / VLAN, Group / Policy, Auth. Database, Auth. Method, Pkts In/Out, Bytes In/Out, and Access From (AP/SSID). There are three rows of data. Below the table, there are pagination controls showing '(Total:3)' and 'Page:1/1'. A search box for 'IP or MAC' and a 'Refresh' button are also visible.

No.	Username	IP Address	IPv6 Address	MAC Address	SZ / VLAN	Group / Policy	Auth. Database	Auth. Method	Pkts In/Out	Bytes In/Out	Access From (AP/SSID)
1	123	10.132.5.178	N/A	58:48:22:A7:9B:17	Default / 0	Group 1 / Policy 1	RADIUS	802.1X Transparent	4k / 24k	381K / 9M	N/A
2	049226DBFF14	192.168.2.170	N/A	04:92:26:DB:FF:14	Default / 0	N/A / N/A	EXRADIUS	802.1X Transparent	3k / 3k	498K / 2M	EAP101/4C_SPLIT4
3	123	10.132.5.93	N/A	BC:B8:63:8F:BE:8C	Default / 0	Group 1 / Policy 1	RADIUS	802.1X Transparent	694 / 34k	71K / 12M	EAP101/4C_SPLIT2

**Note:** This feature is required AP version newer than 12.4.2

## 2.15 HA enhancement

To add Alternate HA Port configuration in High Availability page.

Users can set WAN2 as secondary HA detect port, if primary HA port failed will check secondary HA port, both primary and secondary HA port are failed will trigger HA swap event.

The screenshot shows the 'dge-controller' web interface. The top navigation bar includes 'SYSTEM', 'USERS', 'DEVICES', 'NETWORK', and 'UTILITIES'. The left sidebar lists various configuration sections, with 'High Availability' selected. The main content area is divided into two sections: 'Current Status' and 'Configuration'.

**Current Status:**

- Dedicated Port: LAN1
- Status: No Peer
- Link to Peer's UI: HA Configuration (dropdown) with a 'Goto' button
- Version: 10000

**Configuration:**

- Status:  Enabled  Disabled
- Number of Active(s): 1 (dropdown)
- Mode:  Active  Standby
- HA Port IP Address: 172.31.0.1 \*
- HA Port Subnet Mask: 255.255.0.0 \*
- Peer IP Address: 172.31.0.2 \*
- Shared Key: \*\*\*\*\* \*
- Alternate HA Port: WAN2 (dropdown)
- HA Port IP Address: 172.32.0.1 \*
- HA Port Subnet Mask: 255.255.0.0 \*
- Peer IP Address: 172.32.0.2 \*
- Action: Sync & Swap

At the bottom right, there are 'Apply' and 'Cancel' buttons.

## 2.16 Support all client list on controller

To add a Users button in AP List, click this button to list all client information.

AP List

Type: All, Status: All, Tunnel: None

Refresh Interval: Disable Auto Refresh, Refresh

Buttons: Add, Delete, Add to Map / Floor Plan, Backup Config, Restore Config, Upgrade, Apply Settings, Reboot, Export, Import, **Users**

Type	Name	IP	MAC	Map	Template	Status	# of Users	Tunnel	AP Admin Web	CAPWAP	AP Ver.	Serial Number	Repair Method	From Template/Config
EAP101(TW)	EAP101_1	10.72.16.105	34:EF:B6:AF:49:A8	Overview	1	Offline	0	N/A	Go	N/A	12.3.1-887	EC2038000720	Disabled	
EAP102(TW)	EAP102_1	10.72.16.182	98:19:2C:8D:58:A5	Overview	1	Online	2	N/A	Go	RUN	12.3.1-887	EC2147002763	Disabled	
EAP104(TW)	EAP104_1	10.72.16.111	E0:D1:A6:3F:B7:BF	Overview	2	Online	1	N/A	Go	RUN	12.3.1-861	AB1234567890	Disabled	

(Total 3) First Prev Next Last Go to Page 1 Row per Page 20

AP Online All Users

Search: All

User Name	IP Address	MAC Address	Host Name	SSID	Radio	Channel	Bytes In/Bytes Out	RSSI	SNR	Idle	Access From	Connected Time	Client OS	Log out
N/A	192.168.2.133	00:26:82:1A:2C:D7	CN-PC1an	test_2_3g_1	5GHz	149	12M/8M	-49	54	0	EAP104_1	2 hr 28 min 58 sec	Microsoft Windows	Logout
N/A	192.168.2.199	0E:F9:6B:BD:66:8F	N/A	24g_test_1	2.4GHz	6	12M/240M	-47	49	6	EAP102_1	3 hr 55 min 12 sec	IOS	Logout
N/A	192.168.2.227	BA:B1:2C:4B:E4:B7	N/A	24g_test_1	2.4GHz	6	3K/77K	-46	50	19	EAP102_1	14 min 22 sec	IOS	Logout

(Total 3) First Previous Next Last Go to Page 1 Row per Page 80

## 2.17 Support AP model name under "edgecoreAccessPointInfo" MIB

To add new OID: edgecoreAPModelName in edgecoreAPWAPMInfo.

## 2.18 Support "WarmStrat", "ColdStart", "Linkdown", "Linkup" SNMP trap

To support WarmStart/ColdStart, port Linkdown/Linkup trap.

## 2.19 Enhance the WAPM Detection Method

In WAPM, a new WAPM detection method is adopted to add the WAPM process (od\_emcd) to the process monitor page. Once the WAPM process crashes or becomes abnormal, the process will be restarted automatically to make sure the related service is normal.

Main > Status > Process Monitor

## Process Monitor

Enable Monitor  Enable  Disable

Process Name	Status	Process ID
proxy	●	15008
proxy_logout	●	15079
proxy_fake	●	15147
cipgwsrv	●	13087
cipgwlnsrv	●	13088
dnsmasq-dns	●	12676
dnsmasq-fake	●	13036
snmpd	●	14440
radiusd	●	14979
cipgrd	●	down
od_emcd	●	5895
dnsmasq-sz0	●	18746
lighttpd-v4	●	17337

Apply Cancel

## 2.20 Support Interference Detection in WAPM

In WAPM > New Generation Template > Radio Settings, the interference detection can be applied to the WiFi6 AP. 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. Apply the template with interference detection to the WiFi6 AP to check if the value is correct on the AP.

Interference Detection  \*(0 - 99)

## 2.21 Support Offline Status Red Font Display in WAPM AP List

In WAPM > AP List, if the AP status is offline, it is shown in red font.

<input type="checkbox"/>	EAP101	eth1_231	10.83.23.1	AA:AA:BB:BB:17:01	Overview	N/A	Offline	0	N/A	Go	N/A
<input type="checkbox"/>	EAP101	eth1_232	10.83.23.2	AA:AA:BB:BB:17:02	Overview	N/A	Offline	0	N/A	Go	N/A
<input type="checkbox"/>	EAP101	eth1_233	10.83.23.3	AA:AA:BB:BB:17:03	Overview	N/A	Offline	0	N/A	Go	N/A
<input type="checkbox"/>	EAP101	eth1_234	10.83.23.4	AA:AA:BB:BB:17:04	Overview	N/A	Offline	0	N/A	Go	N/A
<input type="checkbox"/>	EAP101	eth1_235	10.83.23.5	AA:AA:BB:BB:17:05	Overview	N/A	Offline	0	N/A	Go	N/A

## 2.22 Support Sorting Algorithm for all devices in WAPM AP List

In WAPM > AP List, the sorting algorithm is supported for all devices listed on all pages when clicking the column. The APs are sorted by the column users clicked. When the refresh button is clicked, the sorting result keeps unchanged, only update the AP status.

## 2.23 Add the Information in WAPM AP Online Users List

In WAPM > AP List > # of Users, the following information is supported on the page. When the clients are connected to the SSID, check whether the associated client information is correct or not.

1. Client OS: The OS of the client. It is only compatible with the latest AP version which supports Client OS.
2. Radio: The radio of the client.
3. Channel: The channel running on the radio.
4. Connected Time: The time the client is connected.
5. SSID: The SSID the client is connected to.

AP Online Users : EAP104

User Name	IP Address	MAC Address	Host Name	SSID	Radio	Channel	Bytes In/Bytes Out	RSSI	SNR	Idle	Access From	Connected Time	Client OS	Log out
3@local	172.21.10.28	2A-C6-6C-91-D3-23	Galaxy-A7-2018-nai-hao	4C_5G_Com_TL100	5GHz	100	2M/30M	-63	37	12s	EAP104	8 min 25 sec	N/A	<input type="button" value="Logout"/>

## 2.24 Support LAN Settings in New Generation Template

In WAPM > Template > New Generation > LAN Settings, the default local network and default guest network of LAN interface can be configured in the template. Apply the template with the default local and guest network to the WiFi6 AP to check if the configurations are correct on the AP.

Main > Device Management > Wide Area AP Management > Template > Local Network Settings

### Local Network Settings - 11: Template 11

LAN Interface	Default Local Network
Enabled	<input type="radio"/> No <input checked="" type="radio"/> Yes
IP Address	192.168.2.1
Subnet Mask	255.255.255.0
MTU Size	1500 *(1400-1500)
DHCP Server	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
DHCP Start	100 *(1-254)
DHCP Limit	150
DHCP Lease Time	12hr
Custom DHCP DNS Servers	<input type="text"/> *Please enter a list of no more than 3 IPs of DNS servers, separated by comma
STP	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
UPnP	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Smart Isolation	Disable ( full access )

Main > Device Management > Wide Area AP Management > Template > Local Network Settings

### Local Network Settings - 11: Template 11

LAN Interface	Default Guest Network
Enabled	<input type="radio"/> No <input checked="" type="radio"/> Yes
IP Address	192.168.3.1
Subnet Mask	255.255.255.0
MTU Size	1500 *(1400-1500)
DHCP Server	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
DHCP Start	100 *(1-254)
DHCP Limit	150
DHCP Lease Time	12hr
Custom DHCP DNS Servers	<input type="text"/> *Please enter a list of no more than 3 IPs of DNS servers, separated by comma
STP	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
UPnP	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
Smart Isolation	internet access only

## 2.25 Add User Account in New Generation Template

In WAPM > Template > New Generation > User Accounts, User Account can be configured in the template. Apply the template with the user account to the WiFi6 AP to check if the configurations are correct on the AP.

Main > Device Management > Wide Area AP Management > Template > User Account Settings

### User Account Settings 13: BillTest

Select User Account	root	Add	Remove
User Name	root		
User Password	admin123		
Enabled	<input type="radio"/> No <input checked="" type="radio"/> Yes		

## 2.26 Add SSH in New Generation Template

In WAPM > Template > New Generation > Services, SSH can be configured in the template. Apply the template with SSH to the WiFi6 AP to check if the configurations are correct on the AP.

SSH Server	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
SSH port	<input type="text" value="22"/> *(0 - 65535)
Allow SSH from WAN	<input type="radio"/> Disable <input checked="" type="radio"/> Enable

## 2.27 Add SNMP in New Generation Template

In WAPM > Template > New Generation > Services, SNMP related configuration can be configured in the template. Apply the template with SNMP related configurations to the WiFi6 AP to check if the configurations are correct on the AP.

SNMP Server	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Read Community	<input type="text" value="public"/>
Write Community	<input type="text" value="private"/>
IPv6 Read Community	<input type="text" value="public6"/>
IPv6 Write Community	<input type="text" value="private6"/>
SNMP Trap	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
SNMP Trap Server IP	<input type="text"/>

## 2.28 Add NTP in New Generation Template

In WAPM > Template > New Generation > Services, NTP can be configured in the template. Apply the template with NTP configurations to the WiFi6 AP to check if the configurations are correct on the AP.



NTP Service	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
NTP Server 1:	<input type="text" value="tock.stdtime.gov.tw"/>
NTP Server 2:	<input type="text" value="watch.stdtime.gov.tw"/>
NTP Server 3:	<input type="text" value="time.stdtime.gov.tw"/>
NTP Server 4:	<input type="text" value="clock.stdtime.gov.tw"/>
NTP Server 5:	<input type="text" value="tock.stdtime.gov.tw"/>
Time Zone	<input type="text" value="UTC"/> ▼

## 2.29 Add Multicast DNS in New Generation Template

In WAPM > Template > New Generation > Services, mDNS can be configured in the template. Apply the template with multicast DNS to the WiFi6 AP to check if the configuration is correct on the AP.

Multicast DNS	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
---------------	---

## 2.30 Support the SNMP OID of DHCP Scope Threshold

The OID of DHCP scope threshold is added in SNMP MIB files. Set and get the OID to check if the OID can work normally when the utilization of DHCP scope in the service zone is changed.

1. edgecoreDHCPSThreshold: The threshold of DHCP scope. If the utilization of DHCP scope exceeds the threshold, edgecoreACDHCPAddressExhaustTrap of SNMP trap will be sent. After the utilization of DHCP scope is below the threshold, edgecoreACDHCPAddressExhaustRecovTrap of SNMP trap will be sent.

## 2.31 The WAPM Backup Configuration Enhancement

In WAPM > Backup Configuration, the following items has been enhanced.

1. The default value of Daily Backup Time is set to Disabled.
2. The configuration of 3rd party AP will not be backed up if the daily backup time is enabled.
3. The device name is added into the backup configuration page. It shows the device name when the configuration is backed up.

### Backup Config

Daily Backup Time

<input type="checkbox"/>	Device Type	Device Name	Version	Size	Backup Time	File Name	Actions
<input type="checkbox"/>	EAP101	EAP101	12.3.0-825	40064	2022/12/23 16:16:00	111	<input type="button" value="Download"/>
<input type="checkbox"/>	EAP104	EAP104-TTTTTT	12.3.0-814	39720	2022/12/23 16:27:27	ggg	<input type="button" value="Download"/>
<input type="checkbox"/>	ECW5211-L	ECW5211-L	3.45.0007	474885	2022/12/26 00:01:09	18BHNM00176#period	<input type="button" value="Download"/>
<input type="checkbox"/>	EAP104	EAP104-SSSS	12.3.0-828	40400	2022/12/26 00:01:10	EC2219005441#period	<input type="button" value="Download"/>

(Total 4)     Go to Page  Row per Page

## 2.32 Add Airtime Fairness in New Generation Template

In WAPM > Template > New Generation > Radio Settings, Airtime Fairness can be configured in the template. Apply the template with airtime fairness to the WiFi6 AP to check if the configuration is correct on the AP.

Airtime Fairness

## 2.33 Add 802.11v in New Generation Template

In WAPM > Template > New Generation > Wireless Network, 802.11v can be configured in the template. Apply the template with 802.11v to the WiFi6 AP to check if the configuration is correct on the AP.

802.11v

## 2.34 Modify the Default Value of Minimum Signal Allowed in New Generation Template

In WAPM > Template > New Generation > Radio Settings, the default value of minimum signal allowed is changed from 0 to 30. Apply the template with minimum signal allowed to the WiFi6 AP to check if the configuration is correct on the AP.

Minimum Signal Allowed  \*(0 - 99)

## 2.35 Support Local Cluster in WAPM AP Load Balancing

In WAPM > AP Load Balancing, the local cluster is added if the Method is selected to Manual. Keep the

original AP load balancing when the Method is selected to Auto.

If the method is manual, it uses the local cluster to determine the AP in the WAPM is in which group without using google map. The controller can also perform transmit power management to spread the network load among APs of the same group. Check the power level of APs is adjusted if the AP in the same cluster satisfy the threshold.

Main > Device Management > Wide Area AP Management > AP Load Balancing

### WAPM Load Balancing

Load Balancing  Enable  Disable

Method

Interval  minute(s)

Threshold  Number of Clients  clients  Number of Packets

### Map Cluster Setting

Add to   Cluster  AP Type

■	Cluster	Device Name	IP Address	RF	Power Level	# of Users	Log
<input type="checkbox"/>	None	ECW5211-L	10.132.5.40	1	Level 1 (20 dBm)	0	<a href="#">View</a>
<input type="checkbox"/>	None	ECW5211-L	10.132.5.40	2	Level 1 (20 dBm)	0	<a href="#">View</a>
<input type="checkbox"/>	None	EAP101	10.131.5.12	1	20 dBm	0	<a href="#">View</a>
<input type="checkbox"/>	None	EAP101	10.131.5.12	2	22 dBm	1	<a href="#">View</a>
<input type="checkbox"/>	None	EAP104ZZZZ	10.132.5.111	1	20 dBm	0	<a href="#">View</a>
<input type="checkbox"/>	None	EAP104ZZZZ	10.132.5.111	2	22 dBm	0	<a href="#">View</a>

## 2.36 Support BLE TX Power in New Generation Template

In WAPM > Template > New Generation > Services, BLE TX power can be configured in the template. This configuration is only applied to supported APs. Apply the template with BLE TX power to the supported WiFi6 AP to check if the configuration is correct on the AP.

iBeacon Status  Disable  Enable

UUID  -  -  -  -

Major  \*(0 - 65535)

Minor  \*(0 - 65535)

TX Power

## 2.37 Support 160MHz in New Generation Template

In WAPM > Template > New Generation > Radio, 160MHz of channel bandwidth can be configured in the template. Apply the template with 160MHz to the supported WiFi6 AP to check if the configuration is correct on the AP.

Channel Bandwidth	160 MHz ▾
Channel	Auto ▾
Channel Selector	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 36 <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> 100

## 2.38 Support Service Schedule in New Generation Template

In WAPM > Template > New Generation > Wireless Network, service schedule can be configured in the template. The service hour of the SSID can be customized. Apply the template with service schedule to the WiFi6 AP to check if the SSIDs of AP are enabled or disabled at the correct time.

Service Schedule	24/7 Service ▾
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## 2.39 Support Ethernet Setting in New Generation Template

In WAPM > Template > New Generation > Ethernet Settings, the network behavior of Ethernet port can be configured in the template. Apply the template with Ethernet configuration to the supported WiFi6 AP to check if the configurations are correct on the AP.

Ethernet Settings	Ethernet port 1 ▾
Network Behavior	Route to Internet ▾
Network Name	Default local network ▾

## 2.40 Add the Information in the MIB OID `edgecoreAccessPointInfo`

In the MIB OID `edgecoreAccessPointInfo`, the following information is added. Get the OID to check if the value of OID is the same as the information of WAPM AP list.

1. `edgecoreAPIpAddress`: List the IP address of all APs on the WAPM AP list.
2. `edgecoreAPStatus`: List the AP status of all APs on the WAPM AP list.

### **3 Issue Fixed**

- 3.1 od\_emcd get core dump log**
- 3.2 PHP get core dump log**
- 3.3 snmpwalk will end prematurely**
- 3.4 Default admin password can't apply to EAP101 by template**
- 3.5 EAP101 enable SNMP Trap by template issue**
- 3.6 SNMP TRAP Server IP accepted empty in template for EAP101 issue**
- 3.7 Compile errors with the syntax of the controller's mib files**
- 3.8 Time synchronization fails when EAP101's NTP server reference is set to EWS5203.**
- 3.9 Increase the local cluster maximum number from 30 to 100.**
- 3.10 2.4G clients show wrong channel number in AP List > AP Online Users list when 2.4G and 5G use same SSID.**
- 3.11 WiFi Monitor can't display the result of Signal Strength and Coverage**
- 3.12 Create Floor plan in WiFi Monitor could freeze controller UI**
- 3.13 HA will be swap when WAN detect is from down to up**
- 3.14 Increase the maximum number of capture lines from 1000 to 50,000 in sniff function**
- 3.15 Change EAP101 Tunnel config from N/A to grayed out "Edit" button in AP List page.**
- 3.16 Fix snmpwalk will end prematurely**
- 3.17 Update SNMP sysObjectID value to 1.3.6.1.4.1.259.10.7.2**
- 3.18 Disable 5G will cause client can't get the IP address from 2.4G complete tunnel**
- 3.19 snmpwalk will end prematurely**
- 3.20 privilege list---error message not match real operating behavior**
- 3.21 Wrong detection of HA health check**
- 3.22 In WAPM, the WiFi5 AP information and online users are not correct in the AP list when the WAN2 port is not connected and the WAN failover is enabled.**

- 3.23** In WAPM > New Generation Template > Wireless Network, WMM can't display the "Disabled" option.
- 3.24** The upload image of Login Page Editor in Service Zones is not working when connecting the controller through the port forwarding.
- 3.25** The radius setting of the AP is empty if applying the New Generation template to the AP with WPA3 Enterprise 192-bit and split tunnel.
- 3.26** When the WAN2 and WAN failover functions are enabled, some logs are lost in syslog if WAN2 is not connected.
- 3.27** The syntax of edgecoreAccessAddr is not correct in the MIB file.
- 3.28** The result of snmp command is not correct when setting multiple SNMP server in edgecoreAccessAddr.
- 3.29** The value of edgecoreTrapOnOff is not correct in the unsupported SNMP trap.
- 3.30** The edgecoreACDHCPAddressExhaustTrap of SNMP trap is not working.

## **4 Known Issue**

**4.1 HA detect will failed, once enable WAN2 as secondary HA detect port.**