



## Release Note

**Edgecore EWS101 Release v3.52.0100**

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Enhancement from v3.52.0001

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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
<b>OAP100e</b>	<b>V</b>	<b>V</b>	<b>3.45.0000 or newer</b>
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
ECWO5210-L	V	V	3.45.0000 or newer
ECWO5211-L	V	V	3.45.0000 or newer
ECWO5213-L	V	V	3.45.0000 or newer
EAP101		V	11.2.0-795 or newer
EAP102		V	11.2.0-796 or newer
<b>SP-W2M-AC1200</b>		<b>V</b>	<b>7.0.0-2987 or newer</b>
3rd Party		V	

## 2 Feature Enhancement

### 2.1 Support OAP100e and SP-W2M in WAPM and OAP100e in LAPM

In Devices > WAPM, OAP100e and SP-W2M can be supported.

In Devices > LAPM, OAP100e can be supported.

The image contains two screenshots from a network management interface. The left screenshot shows the 'AP List' page under 'Wide Area AP Management'. It features a 'Type' dropdown menu with options: All, EAP100, EAP101, EAP102, ECW100, ECW5210-L, ECW5211-L, ECW5410-L, ECW5410-L, ECWO5210-L, ECWO5211-L, ECWO5212-L, ECWO5213-L, OAP100, OAP100e, SP-W2M, and 3rd Party AP. Below the menu is a table with columns: Type, Name, IP, and MAC. The right screenshot shows the 'AP Template' page under 'Local Area AP Management'. It features a 'Country Code' dropdown set to 'USA' and an 'AP Model' dropdown menu with options: EAP100, ECW100, ECW5210-L, ECW5211-L, ECW5410-L, ECWO5210-L, ECWO5211-L, ECWO5212-L, ECWO5213-L, OAP100, and OAP100e.

### 2.2 Support WiFi6 QoS

The QoS feature can be supported in WiFi6 AP like EAP101 and EAP102.

With split tunnel SSID, only Individual maximum downlink/uplink are supported.

With complete tunnel SSID, Group total downlink/uplink, Individual maximum downlink/uplink, and individual request downlink/uplink are supported.

Main > Users > Policies > QoS

Select QoS Profile QoS 1

### QoS Configuration

QoS Profile Name QoS 1

Traffic Class IPv4 IPv6

Bandwidth Control  Enable  Disable

Group Total Downlink 0 Mbps

Group Total Uplink 0 Mbps

Individual Maximum Downlink 5 Mbps

Individual Maximum Uplink 5 Mbps

Individual Request Downlink 3 Mbps

Individual Request Uplink 3 Mbps

\*(Unlimit: 0, Range: 1-999)

Apply Cancel

### 2.3 Add Download Button in Management Event Download

In Status > Logs & Reports > Management Events page, the download button is added. After clicking the button, the management event report will be written in the txt file and be downloaded into the device.

Main > Status > Logs and Reports > Management Events

### Management Events

Download

Show 10 entries Source:

ID	Source	Item	Reason	Timestamp
1	EAP101	AP Online	AP Online	Thu, 30 Dec 2021 11:20:28
2	EAP101	AP Online	AP Online	Thu, 30 Dec 2021 11:20:58
3	EAP101	AP Offline	AP Offline	Thu, 30 Dec 2021 11:37:10
4	EAP101	AP Offline	AP Offline	Thu, 30 Dec 2021 11:46:10
5	EAP101	AP Offline	AP Offline	Thu, 30 Dec 2021 13:44:23
6	EAP101	AP Online	AP Online	Thu, 30 Dec 2021 13:47:59
7	EAP101	AP Offline	AP Offline	Thu, 30 Dec 2021 14:18:11
8	EAP101	AP Offline	AP Offline	Thu, 30 Dec 2021 18:00:15
9	EAP101	AP Online	AP Online	Thu, 30 Dec 2021 18:02:08

Showing 1 to 9 of 9 entries Previous 1 Next

### 2.4 Modify Method to Security Method in New Generation WAPM template

In Device > WAPM > Template page, modify the name from Method to Security Method in the Wireless Network.

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

## Wireless Network Settings - 13: Template 13

Radio	5G
VAP	Guest Network <input type="button" value="Add"/> <input type="button" value="Remove"/>
Status	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
SSID	Guest Network
Broadcast	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Client Isolation	<input checked="" type="radio"/> Disable <input type="radio"/> Enable
WMM	<input type="radio"/> Disable <input checked="" type="radio"/> Enable
Max Clients	127
Idle Timeout	300
Security Method	None

## 2.5 Modify the name of WAPM template

In Device > WAPM > Template page, modify from WiFi5 to Legacy and WiFi6 to New Generation in the Select Product Type.

**Legacy devices supported:** OAP100, OAP100e, EAP100, ECW100, ECW5210-L, ECW5211-L, ECW5410-L, ECWO5210-L, ECWO5211-L, ECWO5213-L

**New Generation devices supported:** EAP101, EAP102, SP-W2M-AC1200

Main > Device Management > Wide Area AP Management > Template

## Template AP Setting

Select Product Type	New Generation	
Select Template	1: Template 1	
Template Name	Template 1	Apply
Country	Taiwan	
Radio	Configure	
Wireless Network	Configure	
VLAN Settings	Configure	
Copy Settings to	None	Apply

## 2.6 Support Microsoft 365 authentication

In the Users > External Authentication > Microsoft 365, the Microsoft 365 can be configured. When using Service zones, Microsoft 365 can be selected to be the authentication that users can authenticated by.

Main > Users > External Authentication > Microsoft 365 Settings

## Microsoft 365 Settings

Group	Group 1
LDAP Server Settings	
Server	<input type="text"/> (Domain Name/IP Address)
Port	<input type="text"/> (e.g. 389 for LDAP, 636 for LDAPS)
Service Protocol	<input checked="" type="radio"/> LDAP <input type="radio"/> LDAPS <input type="radio"/> LDAP+StartTLS
Base DN	<input type="text"/>
Binding Type	Anonymous
Account Attribute	<input type="radio"/> UID <input checked="" type="radio"/> CN
Attribute-Group Mapping	Configure
Authorization Endpoint	<input type="text"/> *
Token Endpoint	<input type="text"/> *
Client Id	<input type="text"/> *
Permissions	<input type="text"/> *
Client Secret	<input type="text"/> *
Redirect URI	<input type="text" value="http://gateway.example.com/loginpages/m365_auth.shtml"/>



Authentication Options					
Auth. Option	Auth. Database	Postfix	Default	Enabled	
Server 1	LOCAL	local	<input checked="" type="radio"/>	<input checked="" type="checkbox"/>	
Server 2	RADIUS	radius	<input type="radio"/>	<input checked="" type="checkbox"/>	
Server 3	NTDOMAIN	ntdomain	<input type="radio"/>	<input checked="" type="checkbox"/>	
Server 4	LDAP	ldap	<input type="radio"/>	<input checked="" type="checkbox"/>	
Server 5	POP3	pop3	<input type="radio"/>	<input checked="" type="checkbox"/>	
On-Demand	ONDEMAND	ondemand	<input type="radio"/>	<input checked="" type="checkbox"/>	
SIP	SIP	N/A	<input type="radio"/>	<input type="checkbox"/>	
Guest	FREE	N/A	<input type="radio"/>	<input type="checkbox"/>	
Social Media Login	SOCIAL	N/A	<input type="radio"/>	<input type="checkbox"/>	
One Time Password	OTP	N/A	<input type="radio"/>	<input type="checkbox"/>	
Microsoft 365	MICROSOFT365	N/A	<input type="radio"/>	<input type="checkbox"/>	

## 2.7 Support Import AP List

In the Device > Wide Area AP Management > AP list, add import button to import the csv file. After importing the list including default template, AP can apply the default template when adding the AP into the WAPM.

Main > Device Management > Wide Area AP Management > AP List

### AP List

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

Refresh Interval: 10 seconds Refresh

Add Delete Add to Map / Floor Plan Backup Config Restore Config Upgrade Apply Settings Reboot Export Import

■	Type	Name	IP	MAC	Map	Template	Status	# of Users	Tunnel	AP Admin Web	CAPWAP	AP Ver.	Serial Number	Repair Method	From Template/Config
<input type="checkbox"/>	SP-W2M(TW)	IgniteNet	10.131.5.199	28:76:10:18:E5:9F	Overview	1	Offline	0	N/A	Go	N/A	7.0.0-2978	AI29022089	Disabled	
<input type="checkbox"/>	EAP101(TW)	EAP101	10.131.5.208	34:EF:B6:AF:4A:1B	Overview	1	Online	0	N/A	Go	RUN	11.4.0-1076	EC2038000743	Disabled	
<input type="checkbox"/>	OAP100e	Edgecore-OAP100e	10.131.5.88	1C:EA:0B:C7:34:E4	Overview	1	Online	0	Edit	System Overview Go	RUN	3.45.0000	EC1939001533	Disabled	

Main > Device Management > Wide Area AP Management > Import AP List

### Import AP List

Option:  Insert  Update

File Name:  選擇檔案 未選擇任何檔案

## 2.8 Add user event log when authentication method is 802.1x without CAPWAP tunnel

Create the SSID with 802.1x without CAPWAP tunnel in the AP. After users is connected to this SSID, there are four types of user event logs shown in the user events messages. (Status > Logs & Reports > User Events)

Radius events	User events
Accept	Login
Reject	Reject
Accounting start	Online
Accounting stop	Offline

## 2.9 Support Midtrans Payment Gateway

In Users > Internal Authentication > On-Demand > Payment Gateway, Midtrans option is added in the external payment gateway option. The On-demand account will be created after buying a new account online through Midtrans payment.

The screenshot shows the 'External Payment Gateway' configuration page. At the top, there is a breadcrumb trail: 'Main > Users > Internal Authentication > On-Demand Authentication > External Payment Gateway'. The page title is 'External Payment Gateway'. Under the 'Selection' section, there are radio buttons for 'Disable', 'Authorize.Net', 'PayPal', 'SecurePay', 'WorldPay', 'PeleCard', and 'Midtrans'. The 'Midtrans' option is selected. Below this, there is a 'Number of SMS quota' field with a value of '1' and a range indicator '\* (1-10)'. A button labeled 'SMS gateway configure' is next to it. A note below states: 'The function to send SMS after purchasing an account is not ready. This is the given SMS quota to the client when multiple messages are required, either for multiple devices or if the SMS needs to be re-sent.' The 'Midtrans Payment Page Configuration' section includes fields for 'Transaction URL' (https://app.midtrans.com/snap/v1/transactions), 'Server Key', 'Client Key', and 'Currency' (IDR (Indonesian Rupiah)).

## 2.10 Support Work from Home Mode for SP-W2M-AC1200

In Device > WAPM > New Generation Template > Wireless Network, add WFH (Work from home) mode in the CAPWAP Tunnel Interface. This feature is only compatible with SP-W2M-AC1200.

The screenshot shows the 'Network Behavior' configuration page. The 'Network Behavior' dropdown is set to 'Bridge to Internet'. The 'Vlan Id' is set to '1000' with a 'Configure' button. The 'CAPWAP Tunnel Interface' dropdown is set to 'WFH Mode'. The 'Service Zone' dropdown is set to 'Default'. There is a large empty text area for 'WFH Subnet List'. The 'Limit Upload' and 'Limit Download' dropdowns are both set to 'Disable'. At the bottom, there are 'Apply' and 'Cancel' buttons.

### **3 Issue Fixed**

**3.1 EWS101 can't apply WAPM New Generation template to the multiple WiFi6 devices.**

**3.2 User events display mode displays the error message "####".**

**3.3 Radius MAC Auth and split tunnel can't be set at the same time in New Generation WAPM template**

**3.4 VLAN tag traffic of network behavior can be set to AP without VLAN ID in New Generation WAPM template**

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**3.11 Some descriptions are not correct in the MIB files**

**3.12 The 2.4 GHz Japan channel list is empty in new generation template**