

# Release Notes

## OmniAccess Stellar AP

### AWOS Release 5.0.4 MR1 - Release

These release notes accompany the OmniAccess Stellar Operating System (AWOS) Release 5.0.4 MR1 software for the Stellar APs. This document provides important information on individual software and hardware features. Since much of the information in the release notes is not included in the hardware and software user manuals, it is important to read all sections of this document before installing new hardware or loading new software.

## Table of Contents

Related Documentation .....	3
Hardware Supported .....	4
Supported Mode .....	4
New Software Features and Enhancements .....	4
Fixed Problem Reports Between Build 5.0.4.13 and 5.0.4.1024 .....	4
Fixed Problem Reports Between Build 5.0.3.1025 and 5.0.4.13 .....	4
Fixed Problem Reports Between Build 5.0.3.13 and 5.0.3.1025 .....	6
Open/Known Problems .....	8
Limitations and/or Dependencies.....	11
New Software Feature Descriptions.....	15
Technical Support.....	17

## Related Documentation

The release notes should be used in conjunction with the associated manuals as listed below. User manuals can be downloaded at: <https://myportal.al-enterprise.com/>.

### **Stellar AP Quick Start Guide**

The Quick Start Guide assists you in quickly connecting to and configuring the Stellar AP.

### **Stellar AP Installation Guide**

Provides technical specifications and installation procedures for the Stellar AP.

### **Stellar AP Configuration Guide**

Includes procedures for managing and configuring all aspects of the Stellar AP using the built-in web interface.

### **Technical Tips, Field Notices, Upgrade Instructions**

Contracted customers can visit our customer service website at: <https://myportal.al-enterprise.com/>.

## Hardware Supported

- AP1101, AP1201, AP1220 series, AP1230 series, AP1251, AP1251-RW-B, AP1261-RW-B, AP1201H, AP1201L, AP1201HL, AP1320 series, AP1360 series, AP1201BG, AP1301, AP1301H, AP1311, AP1311BG, AP1331, AP1351, AP1411, AP1431, AP1451, AP1501, AP1511, AP1521, AP1561, AP1570 series.

## Supported Mode

- The AWOS 5.0.4.1024 is applicable for Express mode, OmniVista 2500, OmniVista Cirrus 4, OmniVista Cirrus 10, and OmniVista Terra.

## New Software Features and Enhancements

The following software features are new with this release, subject to the feature exceptions and problem reports described later in this release note:

Feature	Platform Support
None	

## Fixed Problem Reports Between Build 5.0.4.13 and 5.0.4.1024

PR	Description
ALEISSUE-2354	<p><b>Summary:</b> AP 1511 ICMP drop.</p> <p><b>Explanation:</b> Fixed the packet drop issue in some scenarios.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2372	<p><b>Summary:</b> DNS_snooping process not working properly.</p> <p><b>Explanation:</b> Fixed abnormal behavior of DNS snooping process.</p>
ALEISSUE-2374	<p><b>Summary:</b> Random client devices having slow connection to wireless network.</p> <p><b>Explanation:</b> Resolved intermittent slow wireless connection for random clients.</p> <p><a href="#">Click for additional information</a></p>

## Fixed Problem Reports Between Build 5.0.3.1025 and 5.0.4.13

PR	Description
ALEISSUE-2078	<p><b>Summary:</b> AP1301H RAP - certificate-based authentication (EAP-TLS) fails.</p> <p><b>Explanation:</b> Fix the issue of large data packet transmission.</p>

	<a href="#">Click for additional information</a>
ALEISSUE-2108	<p><b>Summary:</b> Vowlan Quality issue when phone is connected in same VLAN.</p> <p><b>Explanation:</b> Fix the wmm mapping issue.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2158	<p><b>Summary:</b> Enabling DHCP option 82 is duplicating the DHCP packet.</p> <p><b>Explanation:</b> Fix the DHCP flood issue.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2165	<p><b>Summary:</b> AP 1101 is shown as model AP101.</p> <p><b>Explanation:</b> Fix the problem of incorrect reading of product information.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2207	<p><b>Summary:</b> AP1321 Rebooted due to kernel panic issue.</p> <p><b>Explanation:</b> Fix the AP Kernel panic issue in certain special scenario.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2300	<p><b>Summary:</b> Random backup failures in OV2500 for Stellar Access Points.</p> <p><b>Explanation:</b> Fix the message timeout issue.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2332	<p><b>Summary:</b> AP 1361 Vietnam country code EIRP is more than the allowed</p> <p><b>Explanation:</b> Adjust the power limit in accordance with regulations</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2350	<p><b>Summary:</b> Support for 6GHz in SG Country-Code</p> <p><b>Explanation:</b> Support 6G in SG Country Code</p> <p><a href="#">Click for additional information</a></p>

## Fixed Problem Reports Between Build 5.0.3.13 and 5.0.3.1025

PR	Description
ALEISSUE-2128 Case number: 00812690	<p><b>Summary:</b> Client cannot connect to 5G band on 1521 APs.</p> <p><b>Explanation:</b> Fix the client association issue.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2156	<p><b>Summary:</b> AP1521 "degraded" mode when powered by 802.3at (30W)</p> <p><b>Explanation:</b> Support AP1521 "degrade" mode feature. When AP1521 is powered by 802.3at (30W), the AP will operate in "degraded" mode. In this operating condition, the 2.4GHz radio will operate in 2x2, the 5GHz radio in 4x4, and the 6GHz radio in 2x2 (same as in normal mode), and Eth0 will work at 2.5GE. Disabled features are: Eth1, USB port, Scanning Radio, and IoT Radio.</p>
ALEISSUE-2197 Case number: 00822569	<p><b>Summary:</b> Stellar APs are rebooting several times a day.</p> <p><b>Explanation:</b> Fix the AP Kernel panic issue in certain special scenario.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2208 Case number: 00824647	<p><b>Summary:</b> AP1101 high CPU in DRM module.</p> <p><b>Explanation:</b> Fix the issue of abnormal CPU utilization.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2210 Case number: 00824647	<p><b>Summary:</b> Unable to establish the link for AP 15XX model in RAP setup.</p> <p><b>Explanation:</b> Fix the issue that the RAP feature is not working on the WiFi7 devices.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2236/ ALEISSUE-2237 Case number: 00807210/ 00820707/ 00830834	<p><b>Summary:</b> Wifi disconnection issue.</p> <p><b>Explanation:</b> Fix the issue where 11r roaming information fails to be sent between APs.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2240 Case number: 00827559	<p><b>Summary:</b> Connectivity issue with ARP Proxy feature</p> <p><b>Explanation:</b> Fix the ARP Proxy issue</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2243	<p><b>Summary:</b></p>

Case number: 00832847	External captive portal not working in some scenario.  <b>Explanation:</b> Fix the external captive portal issue.  <a href="#">Click for additional information</a>
ALEISSUE-2247 Case number: 00831706	<b>Summary:</b> AP High memory utilization.  <b>Explanation:</b> Fix the memory leak issue.  <a href="#">Click for additional information</a>
ALEISSUE-2263 Case number: 00832906	<b>Summary:</b> AP1301H: Eth1 has no PoE.  <b>Explanation:</b> Fix the PSE feature issue.  <a href="#">Click for additional information</a>
ALEISSUE-2274 Case number: 00838666	<b>Summary:</b> Stellar AP random reset issue.  <b>Explanation:</b> Fix the kernel panic in WiFi driver.  <a href="#">Click for additional information</a>
ALEISSUE-2288 Case number: 00836703	<b>Summary:</b> Invalid rogue and interfering APs on the OVC.  <b>Explanation:</b> Fix the WiFi driver report a lot of Malformed MAC address.  <a href="#">Click for additional information</a>
ALEISSUE-2128 Case number: 00812690	<b>Summary:</b> Client cannot connect to 5G band on 1521 APs.  <b>Explanation:</b> Fix the client association issue.  <a href="#">Click for additional information</a>
ALEISSUE-2156	<b>Summary:</b> AP1521 "degraded" mode when powered by 802.3at (30W)  <b>Explanation:</b> Support AP1521 "degrade" mode feature. When AP1521 is powered by 802.3at (30W), the AP will operate in "degraded" mode. In this operating condition, the 2.4GHz radio will operate in 2x2, the 5GHz radio in 4x4, and the 6GHz radio in 2x2 (same as in normal mode), and Eth0 will work at 2.5GE. Disabled features are: Eth1, USB port, Scanning Radio, and IoT Radio.
ALEISSUE-2197 Case number: 00822569	<b>Summary:</b> Stellar APs are rebooting several times a day  <b>Explanation:</b> Fix the AP Kernel panic issue in certain special scenario

	<a href="#">Click for additional information</a>
ALEISSUE-2208 Case number: 00824647	<p><b>Summary:</b> AP1101 high CPU in DRM module.</p> <p><b>Explanation:</b> Fix the issue of abnormal CPU utilization.</p> <p><a href="#">Click for additional information</a></p>
ALEISSUE-2210 Case number: 00824647	<p><b>Summary:</b> Unable to establish the link for AP 15XX model in RAP setup.</p> <p><b>Explanation:</b> Fix the issue that the RAP feature is not working on the WiFi7 devices.</p> <p><a href="#">Click for additional information</a></p>

## Open/Known Problems

The problems listed here include problems known at the time of the product's release. Any problems not discussed in this section should be brought to the attention of the Service and Support organization as soon as possible. Please contact customer support for updates on problem reports (PRs) where no known workaround was available at the time of release.

PR	Description	Workaround
WCF	WCF feature is not supported when WLAN Client is running behind an HTTP Proxy.	No workaround.
WCF	WCF feature is not supported when WLAN Client is using mobile applications, there is no restrictions (packets are not dropped by AP, no redirection to Restricted Web page).	No workaround.
Management VLAN	When the management VLAN is enabled, setting the static IP may fail.	The static IP must be set first, and then enable the management VLAN.
DPI	[reflexive] configure link tracking. DPI_DROP does not take effect.	After modifying the reflexive, the client needs to go online and offline again, which can return to normal.
AP stateful IPv6 address	The IPv6 address of the dual-stack AP is a stateful address. After configuring the open type of WLAN, to associate the WLAN with the wireless network card of win 7 11n set to single-stack V6, check the network on-off condition of the V6 address.	When you manually configure a V6 address of the same network segment on the client as the gateway address, you can communicate with the same network address.
DPI FTP policy	Create one policy list binding and two policies, results that the user cannot access the FTP.	No workaround.
WCF	WCF does not support L3 roaming scenarios.	No workaround.
Option82	After enabling option82 feature, in some scenarios, user roaming and reacquiring IP addresses can cause a brief broadcast storm.	Will be fixed in future release.
AP1411 Radio Configuration	After switching the radio, the previously unused band is set to a disabled state (Express).	Manually enable the band in AP RF.
SNMPv3	Some special characters can cause SNMP communication issues. The special characters include the following: \$, ", (	Don't using these special characters.

6G wIPS	6G radio does not support wIPS feature.	Will be supported in future release.
mDNS	AP1411/AP1431 does not support mDNS feature.	Will be supported in future release.
DPI	DPI memory leak issue.	Will be fixed in future release.
Mesh	<ol style="list-style-type: none"> <li>1.If AP working on DFS channel, the client/mesh client can't connect to AP.</li> <li>2.Create new WLAN on band different from Mesh, will cause reconnect on mesh network.</li> </ol>	<ol style="list-style-type: none"> <li>1.Change the channel to non-DFS channel.</li> <li>2.Will be fixed in future release.</li> </ol>
Captive Portal	The client can access the network without CP authentication in roaming scenarios.	Set a default ARP in Authentication Strategy.
Dynamic VLAN	<ol style="list-style-type: none"> <li>1. When dynamic VLAN is assigned for client, ACL and Client isolation for wired user will not take effect.</li> <li>2. When client roaming with dynamic VLAN, client IP may not be displayed on UI.</li> <li>3. Kick off iPhone client, and then connect to WLAN with dynamic VLAN, it can't obtain IP address sometimes, it can be recovered by forgetting the network and connect again. No issue on other type of client.</li> </ol>	Will be supported in future release.
Enhanced Open	Modify Enhanced Open WLAN to Open, Client can't obtain IP address, this issue happens only on AP1101.	Disable/Enable WLAN. Will be fixed in future release.
Static WEP	Wireless client can still connect to WLAN when configured index value different from the WLAN's index.	Will be fixed in future release.
Wired Client	<p>For devices which supports downlink port, there are issues below:</p> <ol style="list-style-type: none"> <li>1. Wired Client will go offline and online when modify Wireless WLAN or Downlink port config.</li> <li>2. Plug and unplug Wired Client to OAW-AP1301H and move it to other ports of Switches in the same LAN, then plug it back to OAW-AP1301H, will cause FDB learn error in rare cases. Disable and enable the corresponding port can recover.</li> </ol>	Will be fixed in future release.
Client Isolation	If the wired client is configured with a static IP, the wired isolation function for this client will not take effect	Will be fixed in future release.
Roaming	AP will not resend client information to its neighbors after they restart for some reason. This can lead to some roaming failure issues.	Will be fixed in future release.
DRM	DRM will not trigger active scanning if the current channel is not in the user configured channel list. This will lead to uneven distribution of channels.	Will be fixed in future release.
Wi-Fi 7 MLO	Simultaneously enabling MLO and 11R roaming will cause the client's 11R roaming to fail for WiFi7 devices.	Will be fixed in future release.
Wi-Fi 7 MLO	Clients that do not support the 'BIP-GMAC-256' algorithm cannot connect to MLO+WPA3 WLAN	Will be fixed in future release.

mDNS	When mDNS clients and servers are in different VLANs, clients can discover shared services but cannot access it.	Will be fixed in future release.
MESH	When the root AP restarts abnormally or the mesh becomes disabled, the BE devices under the root are offline for a long time	Will be fixed in future release.
WLAN	The Beacon Interval configuration for MLO WLAN devices on the BE platform will not take effect	Will be fixed in future release.
Multicast Optimization	The multicast optimization function of devices on the AX/BE platform is abnormal	Will be fixed in future release.
PG-PSK	After successful roaming of PGPSK Layer 3 or Layer 2 80211r, if the ARP assigned to the client in AP2 is incorrect, the client will go offline and reconnect when roaming to AP1 again.	Will be fixed in future release.
MLO	Frequent modifications to the MLO switch of the mesh root AP may cause mesh subordinate devices to experience kernel panic and restart.	Will be fixed in future release.
MESH	In the 6G mesh configuration environment, upgrading the AP1521 model device leads to a lower negotiation rate.	Will be fixed in future release.
Trust VLAN	Enabling the trust VLAN may cause the AP1201H device's CPU to become overloaded and freeze when identical VLANs exist within the same tunnel.	Will be fixed in future release.
Connectivity	Customers will observe data stall while moving far away from the AP while the station (mainly iPhone 16 series) connecting 5G radio of BE devices.	Will be fixed in future release.
Policy	The WiFi7 device can't configure Layer4 service group.	Will be fixed in future release.
Policy	When multiple "Policy" are bound to the same "Network Group", the rules do not take effect when the group is modified.	Will be fixed in future release.
IoT Enforcement	Enable the IoT Enforcement function, and enable Dynamic VLAN and configure it as "Priority VLAN-ID over ARP". The client does not obtain the correct Access Role assigned by IoT Enforcement.	Will be fixed in future release.
WLAN	Some WLANs fail to be created when WiFi 7 APs switch Group for the first time in the OmniVista Cirrus 10 environment.	Will be fixed in future release.
Connectivity	iPhone 15 Plus loses connection after roaming in certain scenarios.	Will be fixed in future release.
Roaming	The iPhone 12 experiences failed 1x authentication roaming in specific scenarios.	Will be fixed in future release.
Power Consumption	There is a probability that configuring the 160M bandwidth of AP1331 through the Power Consumption function will not take effect.	Will be fixed in future release.
OWE Transition Mode	When configuring 16 ESSIDs, enabling OWE Transition mode will cause the interface creation to fail.	Will be fixed in future release.

LACP	When the switch is configured for single-port LACP, the aggregation fails probabilistically.	Disable the LACP feature on Switch side.
Power Consumption	After frequently switching the turned-off radio, there is a probability that the radio's status is inconsistent with the configuration.	Will be fixed in future release.
Macsec	When the switch enables 1x authentication and disables Macsec authentication, while the AP side enables both 1x authentication and Macsec authentication, the AP cannot obtain an IP address.	Will be fixed in future release.
Option 82	Option 82 feature not support in Management VLAN and VLAN poll scenarios	Will be fixed in future release.
WLAN	In some scenarios, when the MLO interface is disabled and then enabled again, it does not take effect.	Will be fixed in future release.
DSCP Mapping	The DSCP Mapping not working for MLO client.	Will be fixed in future release.
Performance	For better performance, it is recommended that WiFi7 devices do not create more than 8 WLANs per band.	Will be fixed in future release.
Client compatibility	Some Intel terminals have compatibility issues when connecting to Wi-Fi7 APs.	Update the client Wi-Fi driver
WIDS/WIPS	The channel of the rogue AP obtained by the Wi-Fi7 AP does not match the actual one, which affects the functions of WIDS and WIPS.	Will be fixed in future release.
Blocklist	The blocklist function fails in certain scenarios for the AP1570 series.	Will be fixed in future release.
Mesh	The None-root MLO mesh client fails to associate in certain scenarios, so it is not recommended to use the MLO mode to create a mesh connection.	Will be fixed in future release.
WIPS	Cross-channel suppression on Wi-Fi 7 devices has problems	Will be fixed in future release.
Remote Capture	In some scenarios, the failure to switch channels on 40MHz bandwidth leads to the termination of packet capture.	Will be fixed in future release.
Access	Some terminals experience probabilistic PSK handshake failures, resulting in access failures.	Will be fixed in future release.
Stability	WiFi7 devices probabilistically restart when operating on DFS channels and detecting radar signals	Will be fixed in future release.
WLAN	The AP1451 can't working on 160M in some scenarios	Will be fixed in future release.

## Limitations and/or Dependencies

Feature	AP Model	Limitations and/or Dependencies
WCF	All	<ol style="list-style-type: none"> <li>1. WCF does not support http over proxy scenario.</li> <li>2. WCF does not support blocking mobile applications access. Client's packets are not restricted (packet not dropped by AP, no redirection to Restricted Web Page)</li> <li>3. WCF does not support RAP scenario.</li> </ol>

		<ol style="list-style-type: none"> <li>4. When using iPhone roaming between Aps, reject page can't be redirected when using Safari, but it works ok for other browser such as Chrome</li> <li>5. If the mobile device has already cached the DNS for the corresponding URL, the WCF functionality will not take effect.</li> <li>6. WCF Feature is not supported when WLAN Client enabled secure DNS (DoT or DoH).</li> </ol>
HTTPs CP over proxy	All	For iOS does not support to configure URL to bypass the proxy, this function does not work on iOS devices.
AP 802.1x client	All	Wireless clients can't connect to internet on untag VLAN with AOS switch due to AOS switch treat all untag devices as 802.1x client.
Wired Port	AP1201HL	<ol style="list-style-type: none"> <li>1. AP1201HL switches to a Group with downlink configuration, wired client cannot access it.</li> <li>2. AP1201HL enables trust tag and option 82, wired client may not obtain IP address.</li> </ol>
DRM	All	In some cases, when the channel utilization reaches more than 90%, the channel does not switch automatically, which seriously affects the user experience.
IGMP Snooping	All Stellar Wi-Fi 6 AP Models	For 11AX devices, if there is no multicast querier in the environment, the conversion from multicast to unicast may fail. We recommend that the switch of IGMP Snooping feature be turned on by default.
Mesh	All	Multicast to unicast is not supported in Mesh mode.
DPI	AP1201/ AP1220 series/ AP1251	When DPI function is enabled, it is recommended to have an initial free memory size of about 30MB after AP booting up for system stable running. If the booting up free memory size is far less than 30MB, suggest removing unnecessary WLAN/VLAN/Policy/DPI rule on AP1201/AP1220/AP1251.
Bypass VLAN	AP1201H/ AP1201HL	If the bypass VLAN function is enabled, setting VLAN id A, and setting the management VLAN to tag VLAN id is also A, which will cause the AP itself to be inaccessible and affect the operation of AP. Therefore, there is a restriction here that the tag for managing VLAN cannot be the same as bypass.
mDNS	AP1201H/ AP1201HL /AP1261- RW-B	AP1201H/1201HL/AP1261-RW-B Downlink Terminal does not support mDNS message forwarding.
Show device name	All	When some clients connect to wlan, there is no option12 field in the dhcp message, so its hostname cannot be displayed.
Management VLAN Static IP LACP	AP1351/A P1451	When configure LACP + Management VLAN + Static IP for AP1351, the network will not be reachable after AP reboot if LACP aggregated link is formed, the workaround of this issue should be disable LACP on switch side.
Link aggregation	All	Link aggregation with management VLANs has a certain probability of failure.
Link aggregation	AP1351	There is very low probability on AP1351 that ethernet PHY fail to receive messages in the scenario of link aggregation.
ALEISSUE-1294	All	This improvement might cause some lower version of SSH clients cannot connect to Stellar AP running this new build, upgrade SSH client version will avoid this problem.
ALEISSUE-1343/ALEISSUE-2104	AP1201H( L/AP1201 /AP1231)	VLAN 4090-4094 is not allowed configured.
11K	Aps without scan radio	To make sure 11k function work as expected, we should configure the AP background scanning on "Working Channel and Non-working Channel".
Enhanced Open WLAN	All	Mobile devices with Apple iOS do not support OWE, Mobile devices with Android 10 or later support OWE, Computers with Windows 10 version 2004 or later and a wireless adapter that supports OWE.
Client Isolation	All	1. Client A connect to WLAN1 with ARP1, and Client B connect to WLAN2 with ARP2, in this case, If Client A and B needs to communicate to each other, both of the two clients need to be added into whitelist, either one of Clients add into whitelist can't ensure communication between these two clients.

		2. In case of Express mode, configure WLAN using internal portal + external MAC authentication, client isolation will not work, suggest using internal or external portal authentication only.
Express mode WLAN number	All	Starting with AWOS 4.0.5 in Express mode, we can create 15 user SSIDs on clusters with following models. <ul style="list-style-type: none"> <li>• AP1301H, AP132x, AP1331, AP136x, AP1351 &amp; AP1451, AP1511, AP1521, AP1561, AP157x</li> </ul> If a cluster has any of the following models, limit remains at 7 user SSIDs. <ul style="list-style-type: none"> <li>• AP1501, AP1311, AP1301, AP12xx and AP1101</li> </ul>
ALEISSUE-1367	All	OV IP was not supposed to be included in the local breakout IP range.
RAP wired downlink port	All Stellar AP with downlink wired port.	1. Trust tag VLAN ID should not be same as Mac VLAN ID. 2. After enabled trust tag, should not use VLAN0. 3. Don't support authentication and policy rules.
Certificate management	All	In express mode, the password of the certificate does not support special characters.
WPA3+11r	All	Some clients do not support WPA3+11r.
Enhanced Open Transition Mode	All	Mobile devices with Android OS connects to Enhanced Open Transition Mode WLAN, sometimes it connects to Open WLAN and sometimes it connects to OWE WLAN and some Android OS or Windows 10 device can't connect to Enhanced Open WLAN, When the issue happens AP works as expected broadcasting beacons with related Transition mode info IE. It is suggested to upgrade mobile devices to latest software version.
Mesh	All	When AP create a new WLAN on MESH AP, the mesh connection will be interrupted briefly.
802.1x	All	AP doesn't support CoA messages in case of 802.1x authentication.
Wi-Fi 7 MLO	Wi-Fi7 APs	Clients that support Wi-Fi 7 MLO features may not be able to access the MLO 6G radio configured on Wi-Fi7 AP due to compatibility issues.
Wi-Fi 7 MLO	Wi-Fi7 APs	WPA3 encryption is required for WLAN configured with MLO.
Wi-Fi 7 MLO	Wi-Fi7 APs	Enhanced Open (Transition Mode) WLAN does not support MLO configuration.
Second Radius Server	All	The current logic of switching from backup server to primary server has issues with adapting to radsec scenarios.
Wired Port	All Stellar AP with downlink wired port.	The scenario where the AP wired downstream port is connected to a switch and the switch is connected to a wired PC is currently not supported, which will cause the 1x authentication of the PC under the switch to fail.
BLE	All Stellar AP with BLE chip	When the Discover all Devices/iBeaconRawData configuration is issued to an old version AP, it may result in no scan data reporting due to the AP's inability to parse the configuration.
Dynamic VLAN	ALL	Client does not apply dynamic VLAN ID after connecting to WLAN in some scenarios.
MESH	ALL	The cluster setup failed due to isolation settings between client APs under root in MESH scenario.
CLUSTER	ALL	The device with 5.0.1.x build cannot join the cluster which PVC is device with build before 5.0.1
WCF	ALL	UCC service exception or delayed WCF response can prevent clients from accessing web pages due to DNS resolution failure.
6G Discovery	Wi-Fi 6E/Wi-Fi 7 AP	Some client not support In-Band discovery, if AP only has 6G WLAN, we recommend configure the 6G channel to a PSC(Preferred Scanning Channel) channel, the PSC channel list includes: 5, 21, 37, 53, 69, 85, 101, 117, 133, 149, 165, 181, 197, 213 and 229.
AP Bridge	ALL	The Stellar AP Bridge Mode—both PTP (Point-to-Point) and PTMP (Point-to-Multipoint)—is supported in Express Mode, OmniVista 2500, and OmniVista Cirrus 10. However, it is not supported in OmniVista Cirrus 4. The Bridge PTMP feature will be

		introduced in OmniVista Cirrus 10 version 10.5.1. It has not been available in any of the previous OVC 10 releases, where only the PTP Bridge Mode was supported.
WPA3 backward	Wi-Fi7 AP	When the "WPA3 backward" function is enabled for WLAN, the 11r roaming of clients may fail if they use different types of encryption.
AP Bridge	ALL	Before configuring to AP Bridge mode, need to clear the "save to running" configuration.
Power consumption	Wi-Fi6/Wi-Fi7 AP	To use the Power Consumption wired port speed limit function, it is necessary to ensure that the speed configurations of the switch and the AP are consistent.
LDAP	ALL	Avoid using double quotes in LDAP parameter values.
WIPS	ALL	The WIPS can't work when the WLAN is enable the PMF required
RAP	ALL	The RAP environment does not support radsec feature
MLO	Wi-Fi7 AP	Do not turn off the EHT function when the MLO interface is enabled.
SFP	AP1570 series	The AP1570 series electrical/SFP port mode is determined at power-on and cannot be dynamically switched after startup. If no SFP module is inserted during power-on, the system defaults to electrical port mode (electrical port for power supply only). Inserting an SFP module after startup will not switch the port to SFP mode. Please insert the SFP module before power-on to ensure proper SFP port operation.
LACP	AP1230 series, AP1301, AP1311, and AP1320 series	AP1230 series, AP1301, AP1311, and AP1320 series do not support simultaneous power supply through two ethernet ports. If the switch is restarted, it will cause the AP to fail to power on. It is necessary to ensure that the POE power supply of one of the ethernet ports is turned off on the switch side.

# New Software Feature Descriptions

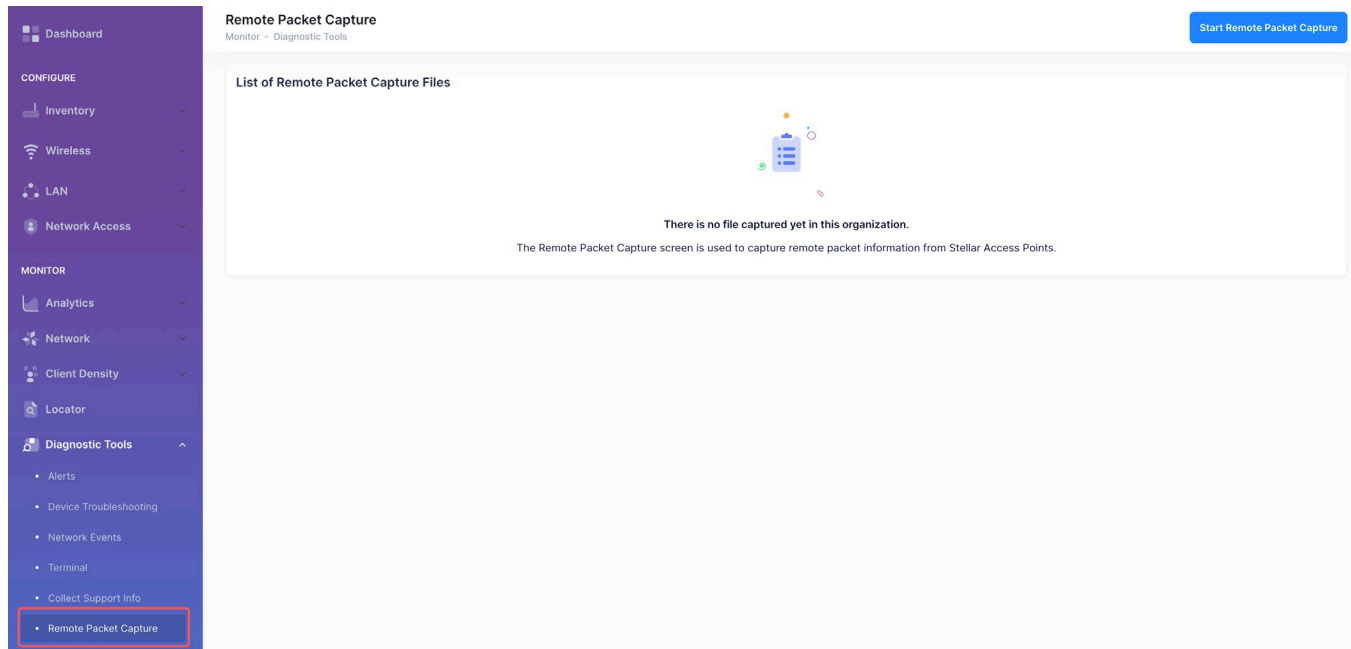
## Remote Packet Capture

This feature provides integrated wireless and wired packet capture capabilities. It supports packet capture across 2.4GHz, 5GHz, and 6GHz wireless bands with customizable channel settings, and allows wired capture on specified network interfaces with VLAN filtering. Additionally, it offers flexible traffic filtering options based on MAC address, IP address, port, and protocol to meet precise network monitoring and analysis requirements.

### Key Features

- Wireless packet capture: Supports 2.4GHz, 5GHz, and 6GHz frequency bands, with configurable channel selection.
- Wired packet capture: Supports designated network interfaces and VLAN filtering.
- Flexible filtering: Enables filtering based on MAC address, IP address, port, and protocol.

Below is the configuration display:



Wireless packet capture:

Select the field to be captured. ✕

---

Capture Duration \*  
15 minutes +  
-

Capture Mode  
 Wireless  Interface

Band \*  
2.4G v

Channel \*  
6 v

Frame Type  
management x control x data x v

MAC Address(es)  
Enter upto two MAC(s).

Cancel Back Start Capturing Now

Wired packet capture:

Select the field to be captured. ✕

---

Capture Duration \*  
15 minutes +  
-

Capture Mode  
 Wireless  Interface

Interface Name \*  
eth0 x Enter the interface name

VLAN ID  
100 x Enter VLAN ID(s)

Protocol  
tcp x v

IP  
192.168.1.1 x Enter up to two IP(s).

Port  
Enter up to two Port(s).

MAC Address(es)  
Enter upto two MAC(s).

Cancel Back Start Capturing Now

Limitations:

For Mesh or Bridge

- When the AP is operating in Mesh mode with the athmonX interface, cross-channel packet capture is allowed because this independent scanning interface does not interfere with the normal operation of the Mesh link.
- If the athscanX interface is used and the requested packet capture channel differs from the AP's current operating channel, the packet capture request will be rejected and an error will be returned.
- When the requested packet capture channel matches the AP's current operating channel, the packet capture operation will proceed normally.

For Normal WLAN

- If you modify the AP channel through the management page while a packet capture is in progress, it will affect the packet capture function.

## Technical Support

Alcatel-Lucent Enterprise technical support is committed to resolving our customer's technical issues in a timely manner. Customers with inquiries should contact us at:

Region	Phone Number
North America	1-800-995-2696
Latin America	1-877-919-9526
Europe Union	+800 00200100 (Toll Free) or +1(650)385-2193
Asia Pacific	+65 6240 8484

**Internet:** Customers with Alcatel-Lucent service agreements may open cases 24 hours a day via Alcatel-Lucent's support web page at: <https://myportal.al-enterprise.com/>.

Upon opening a case, customers will receive a case number and may review, update, or escalate support cases on-line. Please specify the severity level of the issue per the definitions below. For fastest resolution, please have telnet or dial-in access, hardware configuration—module type and revision by slot, software revision, and configuration file available for each switch.

**Severity 1** - Production network is down resulting in critical impact on business—no workaround available.

**Severity 2** - Segment or Ring is down or intermittent loss of connectivity across network.

**Severity 3** - Network performance is slow or impaired—no loss of connectivity or data.

**Severity 4** - Information or assistance on product feature, functionality, configuration, or installation.

[www.al-enterprise.com](http://www.al-enterprise.com) The Alcatel-Lucent name and logo are trademarks of Nokia used under license by ALE. To view other trademarks used by affiliated companies of ALE Holding, visit: [www.al-enterprise.com/en/legal/trademarks-copyright](http://www.al-enterprise.com/en/legal/trademarks-copyright). All other trademarks are the property of their respective owners. The information presented is subject to change without notice. Neither ALE Holding nor any of its affiliates assumes any responsibility for inaccuracies contained herein. © Copyright 2024 ALE International, ALE USA Inc. All rights reserved in all countries.