Release Notes - Rev. B

OmniAccess Stellar AP

AWOS Release 4.0.0 – GA Release

These release notes accompany the OmniAccess Stellar Operating System (AWOS) Release 4.0.0 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.

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Table of Contents

Related Documentation **3**
Hardware Supported **4**
New Software Features and Enhancements **4**
Software Features Not Supported **4**
Open/Known Problems **4**
Limitations and/or Dependencies **5**
New Software Feature Descriptions **6**
Appendix B – Upgrade Instructions **10**
Technical Support **12**

Related Documentation

The release notes should be used in conjunction with the associated manuals as listed below.
User manuals can be downloaded at: https://businessportal2.alcatel-lucent.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://businessportal2.alcatel-lucent.com.

Hardware Supported

- Access Points: AP1101, AP1201, AP1220 series, AP1230 series, AP1251, AP1201H, AP1201L, AP1201HL, AP1320 series, AP1360 series
- BLE Gateway: AP1201BG

New Software Features and Enhancements

The following software features are new with this release (AWOS 4.0.0.42), subject to the feature exceptions and problem reports described later in these release notes:

Feature	Platform Support
802.11w for WPA2 /PMF (Express)	ALL (802.11AC & 802.11AX)
SSID on specific APs (Express)	ALL (802.11AC & 802.11AX)
IPv6 L3 Forwarding Control (Express)	ALL (802.11AC & 802.11AX)
DTIM setting for WLAN(Express)	ALL (802.11AC & 802.11AX)
DragonBlood vulnerabilities	ALL (802.11AC & 802.11AX)

Notes:

- OmniAccess Stellar AP reserves two SSIDs (One on 2.4G band, and one on 5G band). They perform background scanning for WIPs/WIDs services to alert and take preventive actions on any security threat. It is secure and NO clients can connect to these SSIDs.

Software Features Not Supported

The following features are not supported on 802.11AXplatform in this release:

Feature	11AC Platform Support	11AX Platform Support
DPI/Application Visiablity	Supported	Not Supported, will be supported in AWOS 4.0.1
RAP	Supported	Not Supported, to be planned in future

Fixed Problem Reports

All issues addressed up until AWOS 3.0.7 MR2 (build 2056) are merged in this GA build.

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
iPhone11 connection issue	If the iPhone11 connect to the WLAN (WPA3-Enterprise with CNSA) then it can't connect to the WLAN network configured with WPA2 Personal/Enterprise (PMF is "Required"). The issue is caused by iOS wireless driver.	Reboot the iPhone to connect to the new WLAN/SSID.

Case: 00429189 ALEISSUE-531	Stellar Express bridge feature.	Wireless bridge does not forward all VLAN traffic between two APs on some products such as AP1201, AP1201H, AP1201L and AP1201HL. There is no workaround unless use other products as wireless bridge. The issue is happening on several specific kind of products due to the switch chipset, the fix needs to change UI also, it is planned to be fixed in 4.0.1.
Case: 00431290 ALEISSUE-538	High memory noticed in AP.	It is partially fixed, the log size of DPI is limited to 2Mbytes from unlimited size, regarding to high memory cost by DPI process, it's still under investigation, the workaround is disable DPI feature for reducing memory costs.
ALEISSUE-540	Alcatel WLAN phone 8128 disconnection when we have both AP-1101 and AP-1221.	The issue happens when 8128 phone roaming from one AP to another, then roaming back, the client disconnected. No workaround so far. The issue is planned to be fixed in follow on maintenance release.

Limitations and/or Dependencies

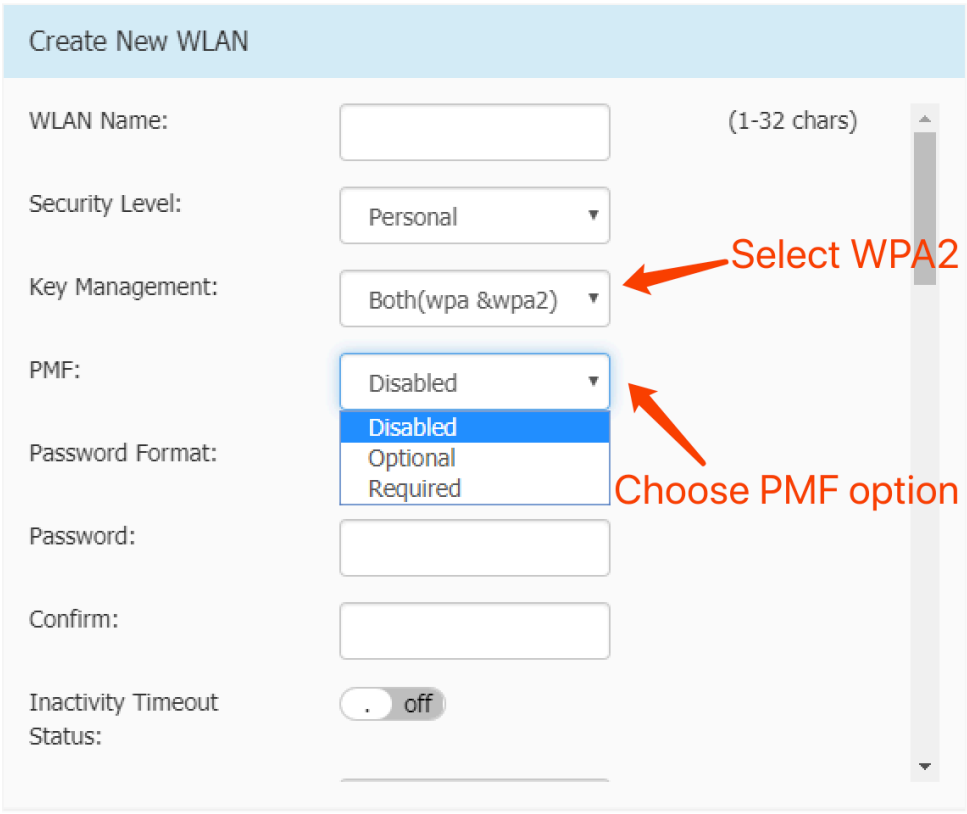
When an AP MAC is configured as "Friendly AP", the network will ensure to not classify it as interfering/rogue AP. Please ensure to not delete the default Stellar MAC OUIs in OV mode (34:e7:0b and dc:08:56). Note that you can have a maximum of 32 Friendly MAC OUIs/MAC addresses configured. With Rogue AP containment enabled, for any AP classified as rogue, clients attempting to connect to Rogue AP will get disconnected.

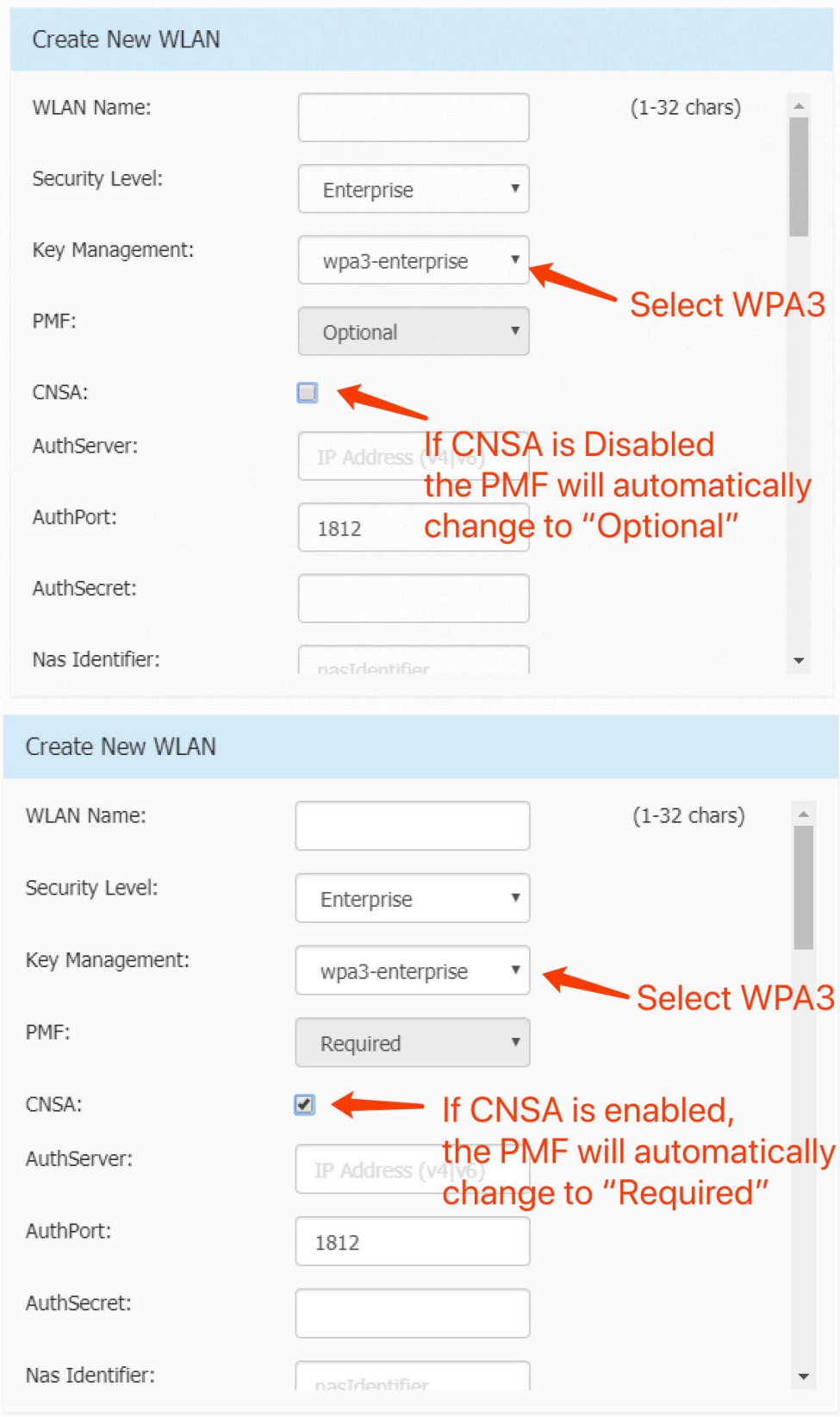
AP1320 series or AP1360 series 11AX AP is higher priority than 11AC platform products in the cluster. The 11AX AP will take over the PVM role when it joins an existing 11AC cluster.

New Software Feature Descriptions

802.11w(PMF) for WPA2 & WPA3

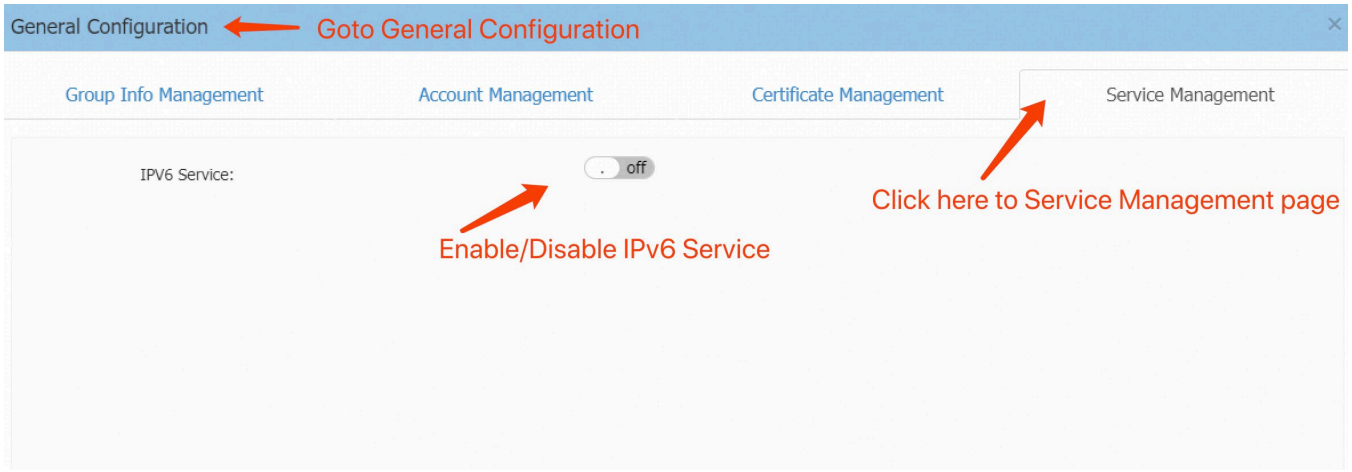
We add PMF option, it can be configured either by editing or creating WLAN, please refer to the screenshot below.





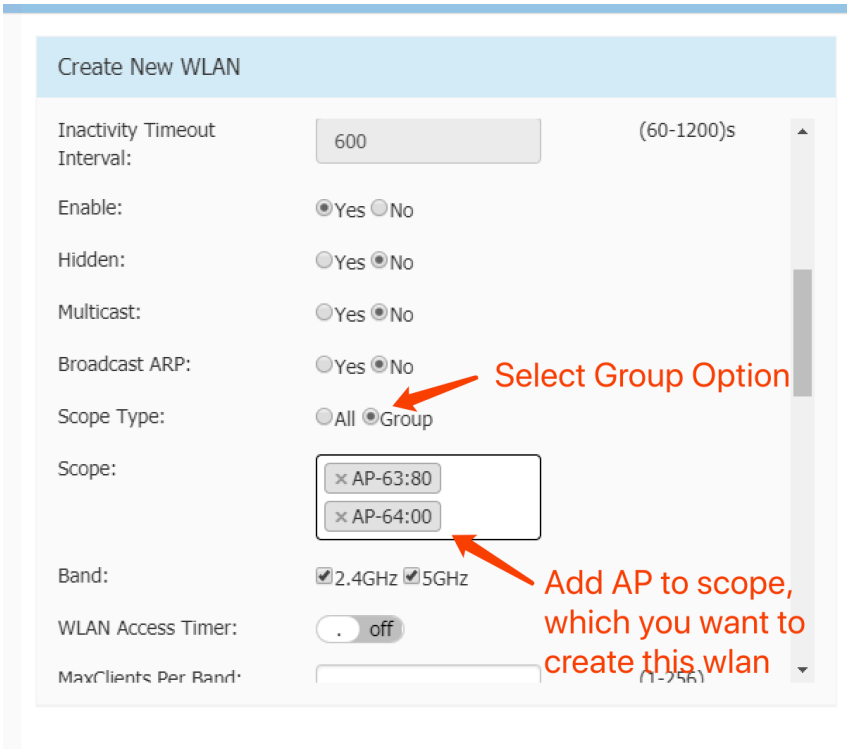
IPv6 switch button in Cluster

We add IPv6 switch button, it can turn ipv6 service on or off, please refer to the screenshot below.



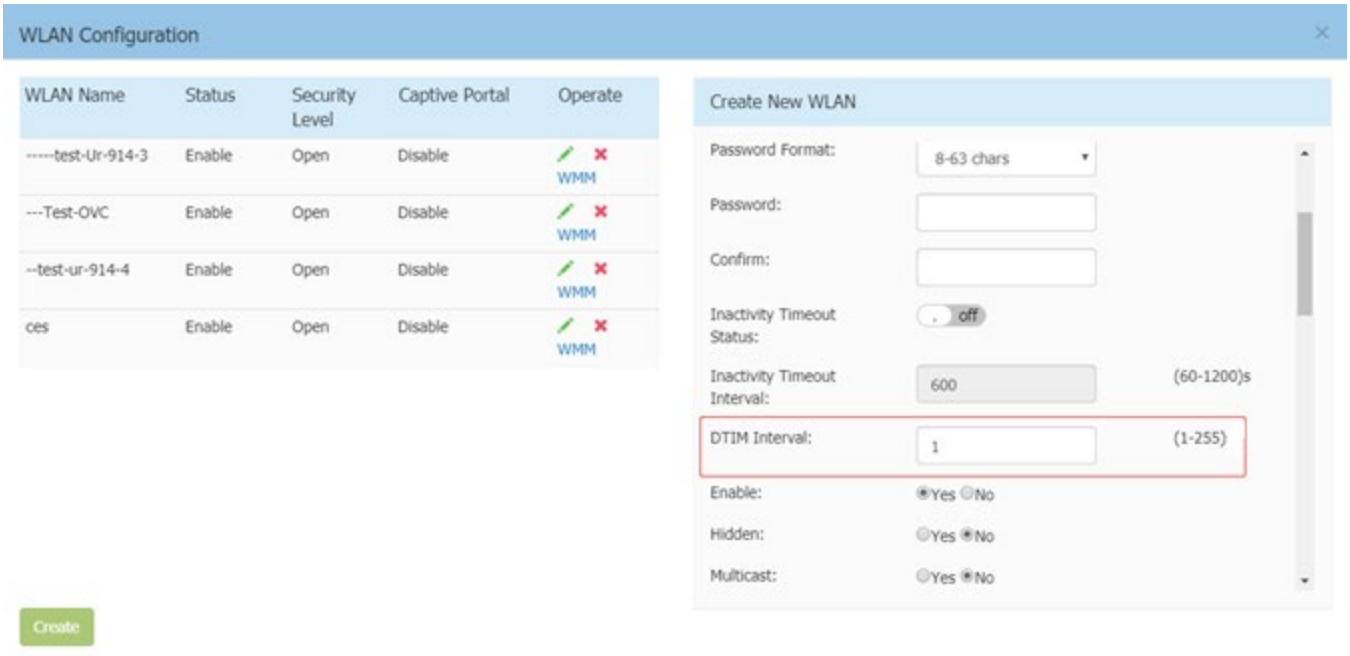
SSID on specific APs in Cluster

We add SSID scope feature, it can be configured either by editing or creating WLAN, please refer to the screenshot below.



DTIM setting for WLAN

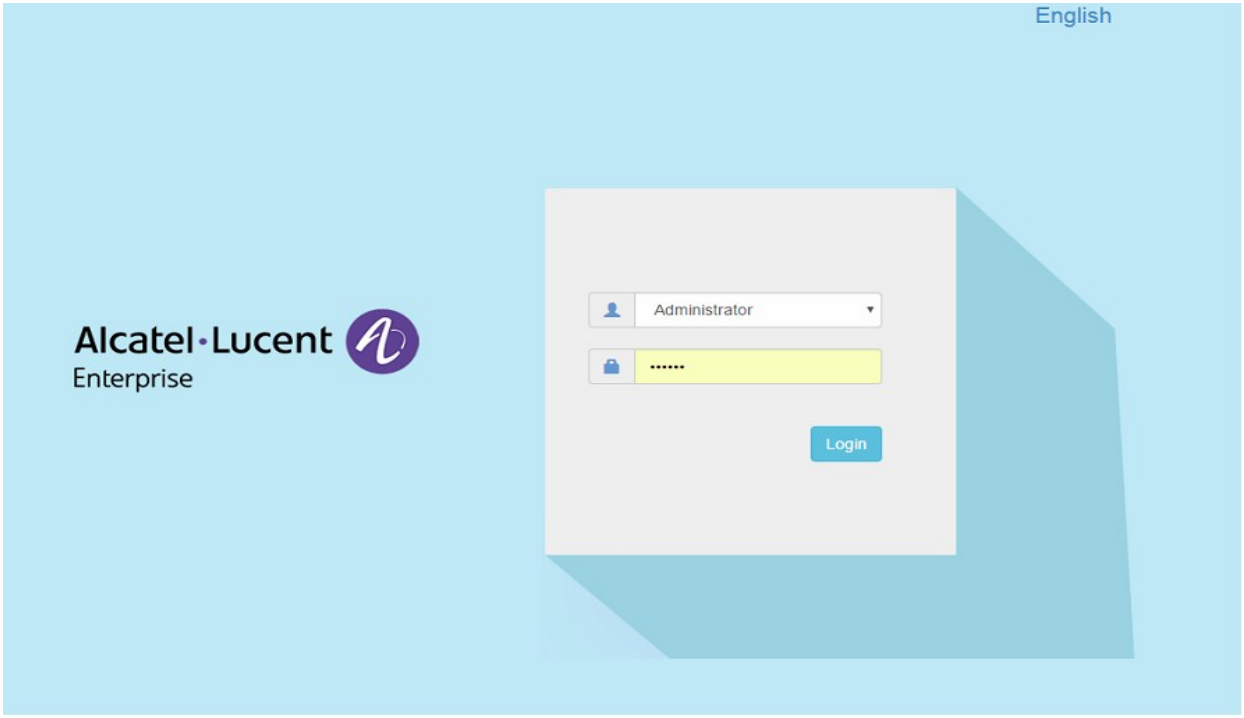
We add DTIM setting for WLAN, it can be configured either by editing or creating WLAN, please refer to the screenshot below.



Appendix B – Upgrade Instructions

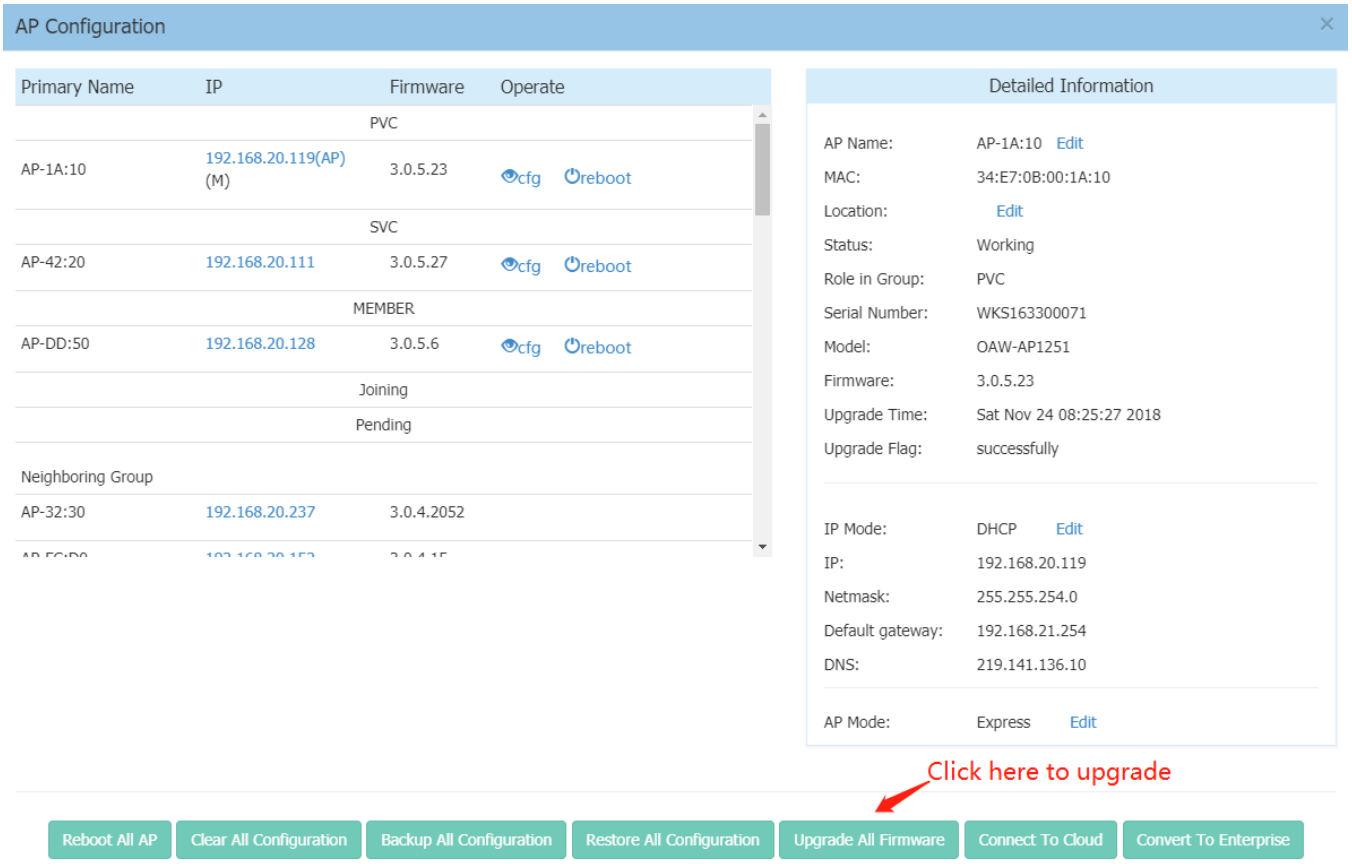
General Software Upgrade Instructions (WiFi Express)

1. Login to AP using Administrator account with default password ‘admin’.

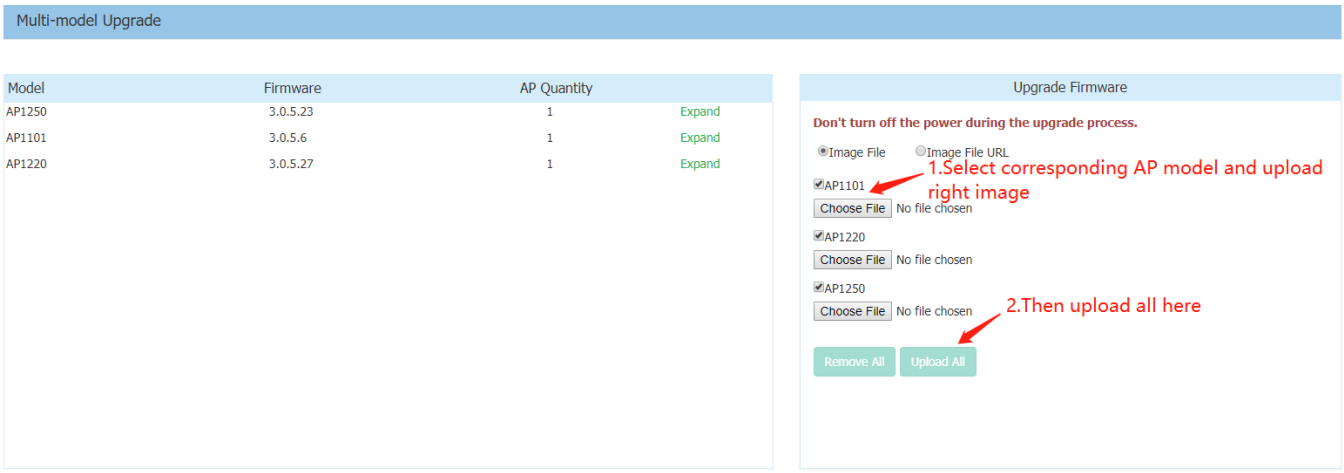


2. Click on the AP tab to open up the AP Configuration page.

3. On AP Configuration Page, click **Upgrade All Firmware.**



4. Select the firmware file and click **Upload To All**, this will upgrade the firmware and reboot the AP.



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

Email: ebg_global_supportcenter@al-enterprise.com

Internet: Customers with Alcatel-Lucent service agreements may open cases 24 hours a day via Alcatel-Lucent's support web page at: https://businessportal2.alcatel-lucent.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.