# Aruba Instant On 1930 Switch Series Release Notes

## Version 2.9.0.53

aruba
Instant On

## Description

This release note covers software versions for the 2.0 branch of the software. Version 2.9.0.53 is the sixth release of major version 2.0.

Product series supported by this software:

- Aruba Instant On 1930 Switch Series

## Important Information

To avoid damage to your equipment, do not interrupt power to the switch during a software update.

Aruba recommends always updating to the latest version of software to ensure the best performance for your switch.

> - Starting with the 2.5.0.42 release, new JL683B, JL684B, JL686B models were introduced with improved acoustic performance, which offer the same features and benefits as the corresponding A models (JL683A, JL684A, JL686A). Both A and B models are now supported.
>
> - If you are upgrading from firmware version prior to 1.0.7.0, a mandatory system update is required to ensure correct operation of the device hardware peripherals.

To perform the update:

1. Execute a firmware upgrade through the local web interface using normal procedures.

2. Upon completion, select reboot to activate the newly installed image. After login, the administrator will be presented with a confirmation dialog to initiate the system update.

3. Select Install Update to proceed. The system update installation will initiate a reboot of the device and may take several minutes. Following the installation, a second reboot will be automatically initiated to activate the new version.

> Make sure to not disconnect power to the device until the entire system update process is complete.

# Version History

All released versions are fully supported by Aruba, unless noted in the table.

| Version number | Release date | Remarks |
|---|---|---|
| 2.9.0.53 | 2023-11-01 | Released, fully supported, and posted to the web. |
| 2.8.1.35 | 2023-06-14 | Released, fully supported, and posted to the web. |
| 2.8.0.17 | 2023-03-16 | Released, fully supported, and posted to the web. |
| 2.7.0.103 | 2022-11-09 | Released, fully supported, and posted to the web. |
| 2.6.0.74 | 2022-06-23 | Released, fully supported, and posted to the web. |
| 2.5.0.42 | 2022-02-11 | Released, fully supported, and posted to the web. |

# Products Supported

This release applies to the following product models:

| Product number | Description |
|---|---|
| JL680A | Aruba Instant On 1930 8G 2SFP Switch |
| JL681A | Aruba Instant On 1930 8G Class 4 PoE 2SFP 124W Switch |
| JL682A | Aruba Instant On 1930 24G 4SFP/SFP+ Switch |
| JL683A | Aruba Instant On 1930 24G Class 4 PoE 4SFP/SFP+ 195W Switch |
| JL683B | Aruba Instant On 1930 24G Class 4 PoE 4SFP/SFP+ 195W Switch |
| JL684A | Aruba Instant On 1930 24G Class 4 PoE 4SFP/SFP+ 370W Switch |
| JL684B | Aruba Instant On 1930 24G Class 4 PoE 4SFP/SFP+ 370W Switch |
| JL685A | Aruba Instant On 1930 48G 4SFP/SFP+ Switch |
| JL686A | Aruba Instant On 1930 48G Class 4 PoE 4SFP/SFP+ 370W Switch |
| JL686B | Aruba Instant On 1930 48G Class 4 PoE 4SFP/SFP+ 370W Switch |

# Compatibility/Interoperability

The switch web agent supports the following web browsers:

| Browser | Supported Versions |
|---|---|
| Internet Explorer | <ul><li>Edge (105)</li><li>11</li></ul> |

| Browser | Supported Versions |
|---|---|
| Chrome | ■ 105<br>■ 104 |
| Firefox | ■ 104<br>■ 103 |
| Safari (MacOS only) | ■ 15<br>■ 14 |

Aruba recommends using the most recent version of each browser as of the date of this release note.

# Enhancements

This section lists released builds that include enhancements found in this branch of the software.

## Version 2.9.0.53

| Type | Description |
|------|-------------|
| SNMP | Added an SNMP Filter Configuration interface to the SNMP webpage. |

## Version 2.8.1.35

There are no new features or enhancements in this release.

## Version 2.8.0.17

There are no new feature enhancements in this release.

## Version 2.7.0.103

| Type | Description |
|------|-------------|
| Interoperability | Multiple enhancements have been made to improve interoperability with third-party devices. |
| SNMP | Update to ensure switches use the default SNMP engineID following config-file upload. |
| WebUI | Corrected errors in the online help. |

## Version 2.6.0.74

There are no new feature enhancements in this release.

## Version 2.5.0.42

| Type | Description |
|------|-------------|
| Hardware | Introduced new JL683B, JL684B, JL686B models with improved acoustic performance. |
| PoE | Replaced the manual High-Power mode setting with PoE Class Limit. By default, the PoE Class Limit setting provides PoE class 4 (30W) to individual switch ports. |
| RADIUS | Added control for RADIUS User Account authentication to access the web interface. |
| RADIUS | Added support for tagged port VLAN membership following successful RADIUS authentication. |
| SNMP | Removed restriction to allow SNMP management from non-management VLANs. |
| Web UI | Added a Getting Started Wizard to quickly configure common switch parameters including the System Name, Contact, Location, Network settings. and System time. |

| Type | Description |
|------|-------------|
| Web UI | Added a VLAN Wizard to configure basic VLAN parameters, including VLAN IDs and tagged/untagged port membership. |
| Web UI | Added the Latest Events Dashboard feature which alerts the switch administrator to recent local event log activity. The Latest Events Dashboard alert icon appears in the masthead on all web pages acolor coded to indicate the severity of recent events. |
| Port Configuration | Enabled the switch administrator to specify auto-negotiation values advertised by the switch. |
| Schedule Configuration | Replaced the PoE Schedule feature with a Global Schedule feature that can be applied to time- based ACL's, Port/Interface shutdown or PoE power delivery. Up to 3 schedules are supported. |
| VLANs | Added the ability to assign switch ports or trunk groups to a range of VLANs instead of one at a time. |
| Cable Test | Added a Cable Test feature that checks for opens and shorts on individual or group of copper switch ports. |
| MAC Authentication | Updated MAC authentication settings to allow customization of the format in which MAC authentication requests are sent to the RADIUS server. |
| CoS | Allows 802.1p prior to queue mapping on individual switch port basis instead of one global setting for all ports. |

# Fixes

This section lists released builds that include fixes found in this branch of the software. Software fixes are listed in reverse-chronological order, with the newest on the top of the list. Unless otherwise noted, each software version listed includes all fixes added in earlier versions.

The Symptom statement describes what a user might experience if this is seen on the network. The Scenario statement provides additional environment details and trigger summaries. When available, the Workaround statement provides a workaround to the issue for customers who decide not to update to this version of software.

The number that precedes the fix description is used for tracking purposes.

## Version 2.9.0.53

| Type | Bug ID | Description |
|------|--------|-------------|
| ACL | 29053-0002 | **Symptom/Scenario**: Applying an ACL to an interface or VLAN can generate an error message indicating lack of resources.<br>**Workaround**: Attempt to apply the ACL a second time. |
| IGMP | SMBS-68 | **Symptom/Scenario**: Enabling IGMP Snooping for eight or more VLANs simultaneously causes the switch to reset.<br>**Workaround**: Enable IGMP snooping in smaller groups of VLANs |
| Security | SMBS-97 | **Symptom/Scenario**: The switch does not allow uploading valid CA-signed certificates larger than 3 kB in size.<br>**Workaround**: Upload a valid certificate smaller than 3 KB. |
| WebUI | 29053-0001 | **Symptom/Scenario**: Corrected error message text when creating a user account that already exists.<br>**Workaround**: None. |

## Version 2.8.1.35

| Type | Bug ID | Description |
|------|--------|-------------|
| Diagnostics | 228135-0001 | **Symptom/Scenario**: In the support file, the cable test section displays only 14 interfaces.<br>**Workaround**: Review GUI to get the Cable Test results. |
| Diagnostics | 28135-0002 | **Symptom/Scenario**: Missing information in support files. In this version, the support files include Device SKU, Management information (Device IPv4, HTTP management parameters and Management VLAN), Class of Service, and DoS Protection.<br>**Workaround**: Review GUI to get configured values. |

## Version 2.8.0.17

| Type | Bug ID | Description |
|---|---|---|
| Diagnostics | SMBS-11 | **Symptom/Scenario**: The IPv4 and IPv6 Ping Interval time settings are missing.<br>**Workaround**: None. |
| SNMP | 28017-0002 | **Symptom/Scenario**: SNMP users show corrupted Group Names in the UI. This affects only the UI but SNMP works correctly.<br>**Workaround**: None. |

## Version 2.7.0.103

| Type | Bug ID | Description |
|---|---|---|
| Configuration File | 270103-0001 | **Symptom/Scenario**: Errors can appear when a user is copying running-config file to backup-config.<br>**Workaround**: Copy running-config file to startup-config file and later to backup-config. |
| VLAN | 26073-0002 | **Symptom/Scenario**: VLAN Interface configuration does not update the PVID value of a port when the port is added to a VLAN with untagged membership.<br>**Workaround**: Modify the PVID manually to match the VLAN in which the port was included. |
| Diagnostics | 270103-0003 | **Symptom/Scenario**: The Ping Timeout time setting is labeled incorrectly as Interval. The ping interval time is not configurable and set to one second by default.<br>**Workaround**: None |
| RADIUS | 270103-0004 | **Symptom/Scenario**: VLANs created by RADIUS authentication show a wrong name.<br>**Workaround**: None |
| WebUI | 270103-0005 | **Symptom/Scenario**: Web session remains open after setting the user password for the first time.<br>**Workaround**: Users should re-login after resetting the default username or password. |
| SNMP | SMBS-15 | **Symptom/Scenario**: SNMP groups with the word **default** in its name cannot be deleted.<br>**Workaround**: None |
| SNMP | SMBS-21 | **Symptom/Scenario**: If the SNMP local engine ID field is manually deleted from the config-file, an invalid value will be displayed in the webUI.<br>**Workaround**: Factory reset will regenerate and properly display a unique SNMP engine ID. |
| LLDP | SMBS-30 | **Symptom/Scenario**: Resolved issue recognizing certain special characters in the LLDP TLV's which generates **Connection to the device is lost** pop-ups.<br>**Workaround**: None |

## Version 2.6.0.74

| Type | Bug ID | Description |
|------|--------|-------------|
| Spanning Tree Protocol | 26073-0002 | **Symptom/Scenario**: Loops may occur on the network when the TCN (Topology Change Notification) feature is enabled on all switch ports. **Workaround**: Disable TCN Guard. |
| WebUI | 26073-0001 | **Symptom/Scenario**: The SFP/SFP+ ports tool tip is missing from the graphical Device Image. **Workaround**: Navigate to the Port Configuration or Event log to identify the transceiver type. |

## Version 2.5.0.42

| Type | Bug ID | Description |
|------|--------|-------------|
| ACL | 25042-001 | **Symptom/Scenario**: The second ACL applied to an interface isn't properly saved. **Workaround**: Reboot the device to apply the second ACL. |
| Web UI | 25042-002 | **Symptom/Scenario**: The current copyright statement is not up to date. **Workaround**: N/A |
| SNMP | 25042-003 | **Symptom/Scenario** – The system time may become in accurate when using SNTP. **Workaround** – Click the Apply button to update system time. |

# Known Issues

The following are known open issues with this branch of the software.

The Symptom statement describes what a user might experience if this is seen on the network. The Scenario statement provides additional environment details and trigger summaries. When available, the Workaround statement provides a workaround to the issue.

## Version 2.9.0.53

| Type | Bug ID | Description |
|------|--------|-------------|
| VLAN | 29053-0003 | **Symptom/Scenario**: After deleting a VLAN, ports with untagged membership are not reassigned to a VLAN.<br>**Workaround**: Manually add the affected ports a VLAN. |

## Version 2.8.1.35

| Type | Bug ID | Description |
|------|--------|-------------|
| IGMP | SMBS-68 | **Symptom/Scenario**: Enabling IGMP Snooping for 8 or more VLANs causes the switch to reset.<br>**Workaround**: Enable IGMP in smaller (4 or less) groups of VLANs. |
| GUI | 28135-0003 | **Symptom/Scenario**: Attempting to upload firmware using an incompatible device image or with firmware downgrade prevention enabled will cause the UI to hang.<br>**Workaround**: Refresh the web page. |

## Version 2.8.0.17

There are no new known issues in this release.

> The 2.8.0.17 version prevents 1930 switches firmware from being downgraded to an earlier version.

## Version 2.7.0.103

| Type | Bug ID | Description |
|------|--------|-------------|
| Diagnostics | SMBS-11 | **Symptom/Scenario**: The IPv4 and IPv6 Ping and Traceroute Interval time settings are missing.<br>**Workaround**: None |

## Version 2.6.0.74

| Type | Bug ID | Description |
|------|--------|-------------|
| Diagnostics | 26073-0003 | **Symptom/Scenario**: The Ping Interval time setting is labeled incorrectly as Timeout.<br>**Workaround**: None. |

| Type | Bug ID | Description |
|------|--------|-------------|
| SNMP | 26073-0004 | **Symptom/Scenario**: If the SNMP engine ID field is manually deleted from the Configuration file, an invalid value will be displayed in the webUI.<br>**Workaround**: Factory reset will regenerate and properly display a unique SNMP engine ID. |
| VLAN | 26073-0005 | **Symptom/Scenario**: VLAN Interface Configuration does not update the ports PVID value when added to a VLAN with untagged membership.<br>**Workaround**: Modify the port VID manually to match the VLAN in which the port was included. |

The 2.6.0.74 version prevents 1930 switches firmware from being downgraded to an earlier version.

## Version 2.5.0.42

| Type | Bug ID | Description |
|------|--------|-------------|
| Web UI | 25042-004 | **Symptom/Scenario**: The Web UI is unavailable following a firmware downgrade from the version 2.5.0 to 1.x firmware.<br>**Workaround**: Clearing the browser cache enables access to the Web UI |
| Web UI | 25042-005 | **Symptom/Scenario**: The PoE web page is missing following a firmware downgrade from the version 2.5.0 to 1.x firmware.<br>**Workaround**: Clear the browser cache, then close and reopen the browser. |

# Contacting Support

| Main site | https://www.arubainstanton.com/ |
|---|---|
| Support site | https://support.arubainstanton.com/ |
| Social forums and knowledge base | https://community.arubainstanton.com/ |
| Telephone | https://www.arubainstanton.com/contact-support/ |
| EULA | https://www.arubainstanton.com/eula/ |
| Security | https://www.arubanetworks.com/support-services/security-bulletins/<br>Email: mailto: aruba-sirt@hpe.com |