Aruba Instant On 1930 Switch Series Release Notes

Version 2.9.1.17

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Chapter 1
2.9.1.17 Release Notes

Description

This release note covers software versions for the 2.0 branch of the software. Version 2.9.1.17 is the seventh 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
2.9.1.17	2024-03-15	Released, fully supported, and posted to the web.
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	▪ Edge (105)

Browser	Supported Versions
	■ 11
Chrome	■ 105 ■ 104
Firefox	■ 104 ■ 103
Safari (MacOS only)	■ 15 ■ 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 2.9.1.17

Type	Description
Transceivers	Added support for the following HPE Networking Instant On transceivers: ■ S0G21A: HPE NW ION 10G SFP+ LC LR 10km SMF XCVR ■ S0G20A: HPE NW ION 1G SFP LC LX 10km SMF XCVR ■ S0G18A: HPE NW ION 10GBASE-T RJ45 30m Cat6A XCVR
IGMP	Added IGMPv3 support including IGMP Querier and Unregistered Multicast Filtering

Added support for Aruba 10GBase-T transceivers.

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.
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 2.9.1.17

Type	Bug ID	Description
VLAN	29053-0003	**Symptom/Scenario**: Added a mechanism to prevent deleting switch ports from all VLANs. **Workaround**: None.
WebUI	29117-0003	**Symptom/Scenario**: Added minor cosmetic changes in the web management platform. **Workaround**: None.
Routing	SMBS-145	**Symptom/Scenario**: When configuring a static route to an individual host, the web-interface prevents use of subnet mask 255.255.255.255. **Workaround**: Manually modify the running config file with static route and subnet mask configurations then upload it to the switch.

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. **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. **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. **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. **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. **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. **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. **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. **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. **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. **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. **Workaround**: None
RADIUS	270103-0004	**Symptom/Scenario**: VLANs created by RADIUS authentication show a wrong name. **Workaround**: None
WebUI	270103-0005	**Symptom/Scenario**: Web session remains open after setting the user password for the first time. **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. **Workaround**: None

Type	Bug ID	Description
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. **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. **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 2.9.1.17

Type	Bug ID	Description
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. **Workaround**: Refresh the web page.

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. **Workaround**: Manually add the affected ports a VLAN.

Version 2.8.1.35

Type	Bug ID	Description
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. **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. **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. **Workaround**: None.
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. **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. **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. **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. **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/
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