



FortiAP-S and FortiAP-W2 - Release Notes

Version 6.4.3

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FortiAP-S and FortiAP-W2 6.4.3 Release Notes

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Change log

Date	Change description
2020-11-03	Initial release.

Introduction

This document provides the following information for FortiAP-S and FortiAP-W2 version 6.4.3, build 0451:

- [Supported models on page 5](#)
- [What's new in FortiAP-S and FortiAP-W2 version 6.4.3 on page 5](#)
- [Special notices on page 7](#)
- [Upgrade and downgrade information on page 8](#)
- [Product integration and support on page 9](#)
- [Resolved issues on page 10](#)
- [Known issues on page 11](#)

For more information about your FortiAP device, see the [FortiWiFi and FortiAP Configuration Guide](#).

Supported models

FortiAP-S and FortiAP-W2 version 6.4.3, build 0451 support the following models:

FortiAP-S	FAP-S221E, FAP-S223E FAP-S421E, FAP-S422E, FAP-S423E
FortiAP-W2	FAP-221E, FAP-222E, FAP-223E, FAP-224E, FAP-231E FAP-321E FAP-421E, FAP-423E



FortiAP-W2 models do not have the unified threat management (UTM) functionality.

What's new in FortiAP-S and FortiAP-W2 version 6.4.3

The following list includes new features in FortiAP-S and FortiAP-W2 version 6.4.3 managed by FortiGate (running FortiOS version 6.4.3):

- Supports 802.11v in active mode for load balancing and optimized roaming.
- Supports the URL redirection method for client devices after login external Captive-Portal SSID.
- Supports voice-enterprise function on local-standalone SSID.
- Supports IGMP Snooping.
- Supports device registration to FortiCare via FortiGate web UI **WiFi & Switch Controller > Managed FortiAPs**.
- Adds more DHCP information such as DHCP server MAC, gateway, subnet and DNS for clients in wireless event

logs.

- Supports automated power negotiation with the peer PoE switch using the LLDP-MED protocol.

Special notices

New Wi-Fi 6/802.11ax models FAP-431F, FAP-433F and FAP-231F initially supported in the FortiAP-W2 6.4.0 release have been moved to FortiAP 6.4.3 and later for continuing support.

FAP-221E/223E units encounter a specific upgrade issue when connected with HPE PoE switches (refer to Bug ID 643738 in [Resolved issues](#)). Those switches can unilaterally reset/power cycle connected FAP units after not receiving any LLDP response for more than 120 seconds. HPE PoE switch users must first disable LLDP function on the switches before upgrading the FAP units. After all FAP units have been successfully upgraded to firmware version 6.4.3 (or later), LLDP function on the switches can be enabled.

Upgrade and downgrade information

Upgrading to FortiAP-S and FortiAP-W2 version 6.4.3

FortiAP-S and FortiAP-W2 version 6.4.3 support upgrading from FortiAP-S and FortiAP-W2 version 6.2.3 and later.

Downgrading to previous firmware versions

FortiAP-S and FortiAP-W2 version 6.4.3 support downgrading to FortiAP-S and FortiAP-W2 version 6.2.3 and later.



Configurations made when FAP-231E is running a version later than 6.2.3 will not be saved if it is downgraded to 6.2.3.

Firmware image checksums

To get the MD5 checksum code for a Fortinet firmware image, perform the following steps:

1. Go to the [Fortinet Support](#) website.
2. Log in to your account. If you do not have an account, create one and then log in.
3. From the top banner, select **Download > Firmware Image Checksums**.
4. Enter the image file name, including the extension. For example, FAP_S221E-v600-build0233-FORTINET.out.
5. Click **Get Checksum Code**.

Supported upgrade paths

To view all previous FortiAP-S and FortiAP-W2 versions, build numbers, and their supported upgrade paths, see the [Fortinet Documentation](#) website.

Product integration and support

The following table lists product integration and support information for FortiAP-S and FortiAP-W2 version 6.4.3:

FortiOS	6.4.3 and later
Web browsers	Microsoft Edge version 41 and later
	Mozilla Firefox version 59 and later
	Google Chrome version 65 and later
	Apple Safari version 9.1 and later (for Mac OS X)
	Other web browsers may work correctly, but Fortinet does not support them.



We recommend that the FortiAP firmware version be matched with the respective FortiOS version, when available. Other variations of FortiOS and FortiAP versions may technically work for the lowest common feature set. However, if problems arise, Fortinet Support will ask that the versions be matched, as recommended, before troubleshooting.

Resolved issues

The following issues have been resolved in FortiAP-S and FortiAP-W2 version 6.4.3. For inquiries about a particular bug, visit the [Fortinet Support](#) website.

Bug ID	Description
637609	Adds 5GHz DFS channel 144 for region “K” (Korea).
643738	During FAP firmware upgrading process, FAP-221E/223E units were reset (power cycled) by the peer HPE PoE Switch for the LLDP timeout. As a result, FAP upgrade failed and couldn't boot up.
654244	FAP SNMP function and Fortinet-FortiAP-MIB need <code>fapModel</code> Object ID and support <code>sysObjectID</code> query.
658235	FAP-421E and FAP-423E in region “A” capped transmit power on channel 36-48 at 12dBm.
661863	FAP-221E Radio-1 suffered poor performance due to spectral-analysis scan.
667391	WiFi clients couldn't re-connect to FAP every morning for DARRP caused a channel mismatch.
667700	WiFi clients couldn't ping each when having connected to the same FAP and the same bridge SSID with tagged VLAN ID.
669674	DNS IP was shown in reverse manner in wireless event logs.

Known issues

The following issues have been identified in FortiAP-S and FortiAP-W2 version 6.4.3. For inquiries about a particular bug or to report a bug, visit the [Fortinet Support](#) website.

Bug ID	Description
537931	FAP-222E doesn't support the FortiAP Configuration mode. Push and hold the RESET button on the POE adapter for more than 5 seconds to reset FAP-222E to the factory default.
651975	The USB port of FAP-S221E and FAP-S223E doesn't support Electronic Shelf Label (ESL).
655887	FAP-221E/223E gets low throughput on tunnel SSID when its <code>wtp-profile</code> has set <code>dtls-policy ipsec-vpn</code> .



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