FortiAP-S and FortiAP-W2 - Release Notes

Version 6.4.0

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Oct 22, 2020
FortiAP-S and FortiAP-W2 6.4.0 Release Notes
40-640-623995-20201022

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Change log

Date	Change description
2020-04-14	Initial release.
2020-06-30	Added FAP-431F and FAP-433F to the list of supported models. Updated Known issues on page 10.
2020-10-22	Added FAP-231F to the list of supported models. Updated Resolved issues on page 9 and Known issues on page 10

Introduction

This document provides the following information for FortiAP-S and FortiAP-W2 version 6.4.0, build 0416:

For more information about your FortiAP device, see the *FortiWiFi and FortiAP Configuration Guide*.

Supported models

FortiAP-S and FortiAP-W2 version 6.4.0, build 0416 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-231F (build 5814) FAP-321E FAP-421E, FAP-423E, FAP-431F (build 5760), FAP-433F (build 5760)

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

What's new in FortiAP-S and FortiAP-W2 version 6.4.0

The following list includes new features in FortiAP-S and FortiAP-W2 version 6.4.0 managed by FortiGate (running FortiOS version 6.4.0):

- Remove sticky clients.
- Spectrum analysis.
- Support for wireless clients using IPv6 addresses.
- Support for external-authentication captive-portal SSID in local-standalone mode.
- Configuration Rollback (after a new configuration causes a disconnection from the WiFi controller).
- Spreading out FortiAP reports evenly to the WiFi controller by assigning report indices.
- Support for Wireless Layer-3 Firewall.
- Enables DFS channels on FAP-321E with region code J.

- Enables DFS channels on FAP-231E with region code A, N, T and S.
- Supports the newly released FAP-431F and FAP-433F models.
  Note: FortiGate running FortiOS 6.2.4, 6.4.0 and later can manage FAP-431F and FAP-433F.
- Supports the newly released FAP-231F model.
  Note: FortiGate running FortiOS 6.2.5, 6.4.2 and later can manage FAP-231F.

Upgrade and downgrade information

Upgrading to FortiAP-S and FortiAP-W2 version 6.4.0

FortiAP-S and FortiAP-W2 version 6.4.0 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 6.4.0 support downgrading to FortiAP-S and FortiAP-W2 version 6.2.3 and later.

Configurations made when FAP-231E is running 6.4.0 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 6.4.0:

FortiOS	6.4.0 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 6.4.0. For inquiries about a particular bug, visit the Fortinet Support website.

Bug ID	Description
374645	FortiAP-S and FortiAP-W2 models did not support the spectrum-analysis feature.
551434	Fixed FAP-221E kernel crash: `PC is at _raw_write_lock+`
573364	FAP-231E did not support the Bluetooth low energy (BLE) function.
600485	External-authentication captive-portal SSID in local-bridging mode should support RADIUS CoA.
606750	FAP with region code W should support 2.4GHz channels.
608111	FAP with region code N should support channels 120, 124 and 128 when the country is set to New Zealand.
608949	FAP should correctly set NAS-IP-Address as specified in RADIUS configuration.
612550	FAP should support the Transmit Power Control (TPC) element (802.11h) in Beacon frames.
612795	Ekahau tag detection did not work on 2.4GHz radio.
618624	Fixed FAP-321E kernel crash at `ieee80211_scan_table_iterate`.
623297	External captive portal client may fail authentication after entering credential when secure HTTP is enabled.

Common vulnerabilities and exposures

FortiAP-S and FortiAP-W2 version 6.4.0 are no longer vulnerable to the following common vulnerabilities and exposures (CVE) references:

Bug ID	Description
602290	CVE-2004-1653: SSH port forwarding exposes unprotected localhost/internal services.

For details, visit the FortiGuard Labs website.

Known issues

The following issues have been identified in FortiAP-S and FortiAP-W2 version 6.4.0. For inquiries about a particular bug or to report a bug, visit the Fortinet Support website.

Bug ID	Description
276655	The USB port on all FortiAP-S and FortiAP-W2 models is disabled.
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.
626083	FAP-431F, FAP-433F, and FAP-231F cannot support BLE profile.