FortiAP-S and FortiAP-W2 - Release Notes

Version 6.2.2

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FortiAP-S and FortiAP-W2 6.2.2 Release Notes
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Change log

Date	Change description
2019-10-17	Initial release.
2020-02-05	Added CVE-2019-17657 to Resolved issues on page 9.

Introduction

This document provides the following information for FortiAP-S and FortiAP-W2 version 6.2.2, build 0265:

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

Supported models

FortiAP-S and FortiAP-W2 version 6.2.2, build 0265 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-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 6.2.2

The following list includes new features in FortiAP-S and FortiAP-W2 version 6.2.2 managed by FortiGate (running FortiOS version 6.2.2):

- Local-standalone SSID supports MAC address filter (FortiOS-side "address-group" setting under VAP configuration).
- Local-standalone SSID supports RADIUS-based MAC address authentication.
- FortiAP can detect client OS information locally via DHCP fingerprint (DHCP options and VCI etc.)
- RADIUS COA over WiFi supports the `username-case-sensitive` setting.
- FortiPresence v7.1 Push API update
  - Send AP Tx power as part of the FAP ID packets
- WPA2-Personal SSID supports MPSK schedule.
- Local-bridging captive-portal SSID supports external authentication on 3rd-party web servers.

- FortiAP reports uplink interface speed to FortiGate (FortiOS v6.2.2 REST API update).
- Local-bridging SSID supports GRE tunnel.
- Local-bridging SSID supports L2TP tunnel.
- FortiAP requires administrators to set a password upon the first out-of-the-box login, or after a factory reset.
- The "wcfg" command can diagnose Ekahau blink and AeroScout states.
- Wi-Fi country and region code adjustments:
  - In Tunisia, outdoor models (FAP-S422E, FAP-222E and FAP-224E) only allow 5GHz channels 100, 104, 108, 112 and 116, and disallow all other 5GHz channels and 2.4GHz channels.
  - Changed Yemen to region E
  - Changed Oman to region E
  - Changed Honduras to region N
  - Changed Macau to region S
  - Changed Philippines to region S

Upgrade information

Upgrading from FortiAP-S and FortiAP-W2 version 6.2.1

FortiAP-S and FortiAP-W2 version 6.2.2 support upgrading from FortiAP-S and FortiAP-W2 version 6.0.5, 6.2.0, and 6.2.1.

Downgrading to previous firmware versions

FortiAP-S and FortiAP-W2 version 6.2.2 support downgrading to FortiAP-S and FortiAP-W2 version 6.2.1, 6.2.0, and 6.0.5.

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 6.2.2:

FortiOS	6.2.2 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 6.2.2. For inquiries about a particular bug, visit the Fortinet Support website.

Bug ID	Description
414530	The FortiGate diagnosed VAP state shows as "N/A" for local-standalone SSID running on FortiAP.
550036	WiFi client connected to local-bridging SSID with dynamic VLAN could not send traffic after FortiAP loses connection with FortiGate.
562178	FAP-221E was suppressing rogue APs too slowly.
574967	FortiAPs manged by FortiAP Cloud would sometimes become inaccessible.
580007	Fixed a kernel crash issue in the WiFi driver (PC is at ol_tx_inspect_handler).
582834	Fixed a DHCP lease-time issue in local-standalone SSID with NAT mode

Common vulnerabilities and exposures

FortiAP-S and FortiAP-W2 version 6.2.2 are no longer vulnerable to the following common vulnerabilities and exposures (CVE) references:

- CVE-2019-9496
- CVE-2019-15708
- CVE-2019-17657

For details, visit the FortiGuard Labs website.

Known issues

The following issues have been identified in FortiAP-S and FortiAP-W2 version 6.2.2. 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.
374645	FortiAP-S and FortiAP-W2 models do not support the spectrum-analysis feature.
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.