



FortiAP-U - Release Notes

Version 5.4.6

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April 11, 2019

FortiAP-U 5.4.6 Release Notes

42-546-550553-20190411

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Change log

Date	Change description
April 11, 2019	Initial release for FortiAP-U 5.4.6.

Introduction

This document provides the following information for FortiAP-U version 5.4.6 build 0072:

- [Supported models](#)
- [What's new in FortiAP-U version 5.4.6](#)
- [Upgrade information](#)
- [Product integration and support](#)
- [Resolved issues](#)
- [Known issues](#)

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

Supported models

FortiAP-U version 5.4.6 supports the following models:

Models
FortiAP-U221EV, FortiAP-U223EV
FortiAP-U24JEV
FortiAP-U321EV, FortiAP-U323EV
FortiAP-U421EV, FortiAP-U422EV, FortiAP-U423EV

What's new in FortiAP-U version 5.4.6

For FortiAP-U features managed by a FortiWLC, see the [Wireless Controller documentation](#).

The following list includes new features and enhancements when FortiAP-U version 5.4.6 is managed by a FortiGate or FortiAP Cloud:

- Location-based services
 - FortiPresence
 - AeroScout
 - Ekahau blinking mode
 - Station locate
- Scanning functions
 - Background AP scan
 - Foreground AP scan (also known as monitor mode)

- Channel utilization
- Bluetooth low energy (BLE) device scan
- Distributed automatic radio resource provisioning (DARRP)
- Automatic transmit power control
- Mesh fast roaming
- Voice enterprise (IEEE 802.11k and 802.11v)
- Split tunneling for tunnel-mode virtual access point (VAP)
- Local LAN isolation for local standalone VAP with network address translation (NAT) enabled
- Address resolution protocol (ARP) proxy option for VAP broadcast suppression
- Light-emitting diode (LED) schedule
- Optimization of power-save mode
- Acknowledge (ACK) frame time out adjustable by the max-distance setting of the FortiGate wtp-profile

FortiAP-U version 5.4.6 also includes the following improvements:

- New web UI
- CLI with improved security
- Packet policing—When the FortiAP-U CPU usage is above 90%, control and provisioning of wireless access points (CAPWAP) control packets are processed with a higher priority than data packets to maintain a stable connection with the controller. Data packets are dropped when necessary.
- Wi-Fi region and country code adjustments:
 - 5 GHz channels 132 to 144 added to region "V".
 - 5 GHz channels 144 and 165 added to region "P".
 - 5 GHz channels 100 to 144 and 149 to 165 added to region "D".
 - 5 GHz transmit power increased for region "D".
 - 5 GHz channels 120, 124, and 128 removed from Australia (in region "N").
- Dynamic frequency selection (DFS) certified stock keeping units (SKU):
 - FAP-U422EV-A
 - FAP-U223EV-A
 - FAP-U221EV-A

Upgrade information

Upgrading from FortiAP-U version 5.4.5

FortiAP-U version 5.4.6 supports upgrading from FortiAP-U version 5.4.5.

Downgrading to previous firmware version

FortiAP-U version 5.4.6 supports downgrading to FortiAP-U version 5.4.5.

Firmware image checksums

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

1. Go to the [Fortinet Customer Service and Support](#) website.
2. Log in to your account. If you do not have an account, create one and then login.
3. Select **Download > Firmware Image Checksums**.
4. Enter the image file name including the extension.
5. Click **Get Checksum Code**.

Product integration and support

The following table lists the product integration and support information for FortiAP-U version 5.4.6:

Item	Supported versions
FortiOS	5.6.8, 6.0.4, 6.2.0, and later
FortiWLC-SD	8.4.0 and later
Web browsers	<ul style="list-style-type: none">• Microsoft Edge 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 function correctly but Fortinet does not support them.

Resolved issues

The following issues have been resolved in FortiAP-U version 5.4.6. For more details about a particular bug, visit the [Fortinet Customer Service & Support](#) website.

Bug ID	Description
478233	FortiAP-U SSIDs were detected as rogue and fake by other FortiAP units managed by the same FortiGate.
515556	FortiAP-U radios stop communicating when transmitting data to Wi-Fi clients with Intel 8265 chipsets.
515689	Windows laptops encountered ping drops intermittently.
531581	On handing off to the next AP, the data for the roaming client was sent to the old AP and therefore lost.
533573	A Wi-Fi client could not send traffic through FortiAP-U on the 2.4 GHz band after roaming.
538929	Wi-Fi clients connected to FortiAP-U221EV suffered low throughput when accessing the internet.

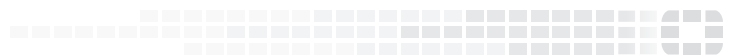
Known issues

FortiAP-U version 5.4.6 does not support the following capabilities when it is managed by a FortiGate or FortiAP Cloud:

- Features related to background or dedicated monitor scanning:
 - Rogue station (STA) scan
 - Rogue AP suppression
 - Wireless intrusion detection system (WIDS)
- QoS profile (traffic shaper, Wi-Fi multimedia [WMM] call admission control, override differentiated services code point [DSCP] mapping for WMM clients)
- External captive portal on local-bridging SSID
- 160-MHz channel width



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