



# FortiAP-U - Release Notes

Version 6.2.3

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FortiAP-U 6.2.3 Release Notes

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# TABLE OF CONTENTS

|  |           |
|--|-----------|
| <b>Change log</b> .....                                | <b>4</b>  |
| <b>Introduction</b> .....                              | <b>5</b>  |
| Supported models .....                                 | 5         |
| <b>New features or enhancements</b> .....              | <b>6</b>  |
| Region/country code update and DFS certification ..... | 7         |
| Changes in CLI .....                                   | 7         |
| <b>Special notice</b> .....                            | <b>8</b>  |
| <b>Upgrade and downgrade information</b> .....         | <b>9</b>  |
| Upgrading to FortiAP-U version 6.2.3 .....             | 9         |
| Downgrading to previous firmware version .....         | 9         |
| Firmware image checksums .....                         | 9         |
| <b>Product integration and support</b> .....           | <b>10</b> |
| <b>Resolved issues</b> .....                           | <b>11</b> |
| <b>Known issues</b> .....                              | <b>12</b> |

# Change log

| Date       | Change description   |
|------------|--|
| 2021-11-25 | Initial release for FortiAP-U 6.2.3.   |
| 2021-11-29 | Updated the support note in <a href="#">Product integration and support on page 10</a> . |

# Introduction

This document provides release information for FortiAP-U version 6.2.3 build 0281.

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

## Supported models

FortiAP-U version 6.2.3 supports the following models:

| Wi-Fi standard | Models   |
|----------------|--|
| 802.11ac       | FortiAP-U221EV, FortiAP-U223EV, FortiAP-U24JEV,<br>FortiAP-U321EV, FortiAP-U323EV,<br>FortiAP-U421EV, FortiAP-U422EV, FortiAP-U423EV |
| 802.11ax       | FortiAP-U231F, FortiAP-U234F,<br>FortiAP-U431F, FortiAP-U432F, FortiAP-U433F   |

## New features or enhancements

The following table includes new features and enhancements in FortiAP-U version 6.2.3 when managed by a FortiGate running FortiOS version 6.2.4 and later, or by FortiLAN Cloud:

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

| Bug ID | Description  |
|--------|--|
| 599911 | 802.11ax FortiAP-U models support customizing high-efficiency (HE) MCS data rates in VAP configuration.<br><b>Note:</b> FortiGate needs to run FortiOS version 7.0.2 and later.  |
| 615311 | Support for band steering (frequency handoff) on local-standalone SSID operating on both 2.4GHz and 5GHz radios of the same FortiAP device.  |
| 638845 | 802.11ax FortiAP-U models support automatic BSS Coloring.<br><b>Note:</b> FortiGate needs to run FortiOS version 7.0.2 and later.  |
| 640771 | Support for Wireless Layer-3 Firewall.   |
| 644209 | Support for Automatic Radio Resource Provisioning (ARRP) Enhancement.  |
| 701338 | FortiAP admin password supports up to 128 characters for local <code>LOGIN_PASSWD</code> variable and <code>wtp/wtp-profile login-passwd</code> configured from the WiFi Controller.   |
| 731733 | Support for dynamic VLAN ID assignment according to RADIUS attribute "Tunnel-Private-Group-Id" when it is a text string and matches one interface name of sub-VLAN interfaces of VAP.  |
| 739305 | After being authenticated on a bridge-mode external captive-portal SSID, clients can log out via an HTTP or HTTPS URL: <ul style="list-style-type: none"> <li><code>http://[FAP IP]:5000/logout</code></li> <li><code>https://[FAP IP]:5001/logout</code></li> </ul> The REST API to log out a client by MAC address: <ul style="list-style-type: none"> <li><b>URL:</b> <code>https://[FAP IP]/cp-logout</code></li> <li><b>Method:</b> POST</li> <li><b>Data:</b> <code>macaddr=[client MAC address]</code></li> </ul> |
| 739309 | Support for "hitless" failover in FortiGate HA cluster (active-passive mode only).   |
| 739312 | 802.11ax FortiAP-U models report operating temperature (degree Celsius) to FortiGate WiFi Controller.  |
| 739313 | Local-standalone NAT-mode SSID can configure optional DNS servers to assign out to wireless clients through DHCP.  |
| 741444 | FortiAP can advertise its name, model, and/or serial number in the vendor specific element of beacon frames.<br><b>Note:</b> FortiGate needs to run FortiOS version 7.0.2 and later.   |

| Bug ID | Description   |
|--------|---|
| 742002 | FortiAP admin password requires a minimum of 5 characters and no longer allows a blank password.                          |
| 744218 | FortiAP can send log messages to a Syslog server.<br><b>Note:</b> FortiGate needs to run FortiOS version 7.0.2 and later. |
| 747782 | Support for querying FortiGuard service to determine IoT device details.  |

## Region/country code update and DFS certification

| Bug ID | Description   |
|--------|---|
| 667008 | Enable DFS channels on FAP-U231F with region code J.<br><b>Note:</b> FortiGate needs to run FortiOS 7.0.2 and later.                |
| 704749 | Enable DFS channels on FAP-U234F with region code E, I, V, Y and D.<br><b>Note:</b> FortiGate needs to run FortiOS 7.0.2 and later. |

## Changes in CLI

| Bug ID | Description   |
|--------|---|
| 762565 | The variable "FAP_UTM_FEATURE" is removed from the "cfg" command. |



802.11ax FortiAP-U models can now dynamically enable or disable UTM feature according to the UTM configuration in bridge-mode SSIDs assigned from WiFi Controller.

## Special notice

FAP-U431F and FAP-U433F firmware version 6.2.2 requires a mandatory change in data partitions, so they can NOT be directly upgraded from 6.2.1 to 6.2.2



FAP-U431F and FAP-U433F running firmware version 6.2.2 and later can no longer be managed by FortiWLC. A factory reset will reset FAP-U431F and FAP-U433F to the default configuration for FortiGate and FortiLAN Cloud management only.

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Administrators who use FortiGate or FortiLAN Cloud to manage FAP-U431F and/or FAP-U433F units must upgrade them carefully using the following steps:

1. Ensure your FAP-U431F and FAP-U433F units are running FAP-U 6.2.1 GA build 0237.
2. Upgrade them to the special transit images `FAP_U431F-v6-build4001-FORTINET.out` and `FAP_U433F-v6-build4001-FORTINET.out` respectively, which are available from the support site.
3. On FAP-U431F and FAP-U433F units running the special build 4001, continue to upgrade them to FAP-U 6.2.2 GA build 0267.



You may receive a downgrade note on the FortiOS GUI when upgrading from build 4001 to build 0267. This is due to the 0267 build number being read as a lower version number than build 4001. The process is not a downgrade and the note can be ignored.

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# Upgrade and downgrade information

## Upgrading to FortiAP-U version 6.2.3

FortiAP-U version 6.2.3 supports upgrading from FortiAP-U version 6.2.2.

## Downgrading to previous firmware version

FortiAP-U version 6.2.3 supports downgrading to FortiAP-U version 6.2.2.

## 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 log in.
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 6.2.3:

| Item         | Supported versions  |
|--------------|---|
| FortiOS      | 6.0.6, 6.2.2, 6.4.3, 7.0.0 and later.<br><b>Note:</b> <ul style="list-style-type: none"><li>• FAP-U431F and FAP-U433F are only supported by FortiOS 6.2.2 and later.</li><li>• FAP-U231F is only supported by FortiOS 6.4.3 and later.</li><li>• FAP-U234F and FAP-U432F are only supported by FortiOS 6.4.4 and later.</li></ul> |
| FortiWLC-SD  | 8.5.1 and later.  |
| Web browsers | <ul style="list-style-type: none"><li>• Microsoft Edge 41 and later.</li><li>• Mozilla Firefox version 59 and later.</li><li>• Google Chrome version 65 and later.</li><li>• Apple Safari version 9.1 and later (for Mac OS X).</li></ul> Other web browsers may function correctly but Fortinet does not support them.           |
| AV Engine    | 6.4.251   |
| IPS Engine   | 6.2.64  |



FortiGate WiFi Controller should use a FortiOS version listed in the preceding table. Other variations of FortiOS and FortiAP-U versions may technically work, but are not guaranteed full functionality. If problems arise, the FortiGate device may need to be upgraded to the latest FortiOS GA version.

## Resolved issues

The following issues have been resolved in FortiAP-U version 6.2.3. For more details about a particular bug, visit the [Fortinet Customer Service & Support](#) website.

| Bug ID | Description   |
|--------|---|
| 717348 | When mesh connection set channel-bonding to 160MHz, the channel width only reached 80MHz.                 |
| 736231 | Rogue APs with 40 or 80MHz channel bonding could not be suppressed.                                       |
| 740005 | Mesh leaf FortiAP units dropped connection randomly.  |
| 741019 | The web filter stopped working and blocked all websites after updating IPS database.                      |
| 742207 | Ethernet bridging stopped working on the mesh leaf FortiAP after reboot.                                  |
| 743464 | When managed by a FortiGate, the max transmit power of FAP-U323EV was lower than expected.                |
| 748207 | FortiAP with location-based service enabled was reporting a specific client as both station and rogue AP. |
| 757072 | The web filter still blocked the websites which had been exempted in static URL filter.                   |

# Known issues

The following capabilities are not supported by FortiAP-U 6.2.3 when managed by a FortiGate or FortiLAN Cloud:

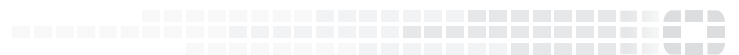
| Bug ID | Description  |
|--------|--|
| 587771 | Config mode support via Reset button.                                |
| 587774 | FAP-U direct REST API support.                                       |
| 587779 | Extension information for statistics of AP, SSID, and station.       |
| 587804 | Hotspot 2.0 Feature Support.   |
| 588016 | Support for L2TP & GRE Tunnels on local-bridging SSID.               |
| 663672 | Support ESL USB Dongle (Hanshow) on 802.11ax Series.                 |
| 739303 | Support Electronic Shelf Label Products (SES-Imagotag).              |
| 739307 | Support for Service Assurance Manager (SAM) mode.                    |
| 739314 | Support for location-based services (LBS) station info via PUSH API. |
| 763506 | Support for FQDN address of FortiPresence server                     |
| 763507 | Support for WAN port authentication: 802.1X supplicant               |
| 763510 | Support for DHCP Address enforcement (Wireless)                      |



In general, features not explicitly mentioned in [New features or enhancements](#) and previous versions, are not supported.



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