

# IQ Engine 10.4r3 Release Notes

**Release date:** December 14, 2021

**Hardware platforms supported:** AP30 Atom, AP122, AP122X, AP130, AP150W, AP230, AP245X, AP250, AP305C, AP305CX, AP410C, AP410CX, AP460C, AP460S6C, AP460S12C, AP510C, AP510CX, AP550, AP650, AP650X, AP1130, and AP4000

**Management platforms supported:** ExtremeCloud IQ 21.4.10.1 and later

---

## New Features and Enhancements

This release introduces the following new features and enhancements:

**WPA3 Fast Transition Support:** You can now configure Fast Transition (FT) with WPA3.

**Backward-compatible HTTP Redirect:** By default, IQ Engine does not allow HTTP redirects for security reasons. However, some implementations, such as captive web portals, require them. IQ Engine now supports legacy HTTP redirects.

**Enhanced Open Support Improvements:** Enhanced Open is now supported by all supported devices running this version of IQ Engine.

**Solu-M Electronic Shelf Label Support:** This release supports the Solu-M electronic shelf labels (ESL) for use with the Hanshow ESL dongle on the AP305C, AP305CX, AP410C, and AP4000 access points.

**Captive Web Portal Authentication Enhancement:** IQ Engine now includes the AP system MAC VSA in RADIUS responses to enhance the flexibility of AAA services.

**Fabric Attach Support:** IQ Engine now features limited support for mapping Fabric Attach to an I-SID.

**Layer 7 TikTok Signature:** This version now supports the Layer 7 application signature for TikTok.

**Country Code Updates:** This version adds the following country code support to the corresponding devices:

- AP4000: Australia, Brazil, Chile, Costa Rica, Europe, Guatemala, Honduras, Morocco, Peru, Saudi Arabia, UAE, and UK
- AP302W: Panama
- AP305C: Algeria, Nepal
- AP305CX: Algeria
- AP305CX omni1 outdoor, omni2 indoor/outdoor, sector indoor/outdoor antennas: Brazil, Chile, Israel, Mexico, Macau, Qatar, Taiwan, and Thailand
- AP410C: Malawi and Nepal
- AP460C: Malawi and Nepal
- AP510CX omni1 outdoor, omni2 indoor/outdoor sector, indoor/outdoor antennas: Brazil, Chile, Indonesia, Macau, Malaysia, Mexico, Qatar, Thailand, and Vietnam

## Known and Addressed Issues

The following tables list known and addressed issues in IQ Engine 10.4.

### Known Issues in IQ Engine 10.4r3

CFD-6833	When an 802.1X-authenticated client device roams between two AP305C access points with 802.11r enabled, the roaming client must perform a full 802.1X authentication to complete the roam.
HOS-17740	When an admin shuts down the USB interface used with the Hanshow ESL dongle, the IP address remains assigned to the interface.
HOS-17683	Some WPA3 clients cannot associate to the AP4000 properly when band steering is enabled. <b>Workaround:</b> Disable band steering.
HOS-17639	The output power of 20 MHz wide 6 GHz channels sometimes changes when changing to another 6 GHz channel or when rebooting.

### Addressed Issues in IQ Engine 10.4r3

CFD-6973	Device MIBs did not contain the most recent hardware devices.
CFD-6759	Client devices with 802.11r enabled could not roam between access points when the AP host name length is eight or 24 characters.
CFD-6198	XR600P routers were dropping packets that exceeded 528 bytes.
HOS-17743	The mesh backhaul throughput was low on 20 MHz and 80 MHz channel widths in the 6 GHz band.
HOS-17707	The upload data throughput was lower than the download data throughput on the 20 MHz and 80 MHz channels in the 6 GHz band.
HOS-17620	Traffic was sometimes disrupted when the admin disabled WMM in the configuration or when the client did not support WMM.
HOS-17309	AP410C access points running IQ Engine 10.3r3 sometimes became unresponsive.
HOS-14251	Enabling Zero Wait DFS caused the AP to deauthenticate client stations and prevent them from reconnecting.

### Addressed Issues in IQ Engine 10.4r2

There are no addressed issues in this release.

### Addressed Issues in IQ Engine 10.4r1

This is the inaugural release of IQ Engine 10.4.