

IQ Engine 10.4r2 Release Notes

Release date: November 11, 2021

Hardware platforms supported: AP4000

Management platforms supported: ExtremeCloud IQ 21.3.30.1 and later

New Features and Enhancements

This release introduces the following new features and enhancements:

Security Enhancements: This release contains the following security enhancements:

- **Enhanced Open Support:** Enhanced Open uses the Opportunistic Wireless Encryption (OWE) standard to protect the communication between two stations. Enhanced Open Authentication replaces Open Authentication, which is not supported in Wi-Fi 6E.
- **WPA3 SAE H2E Support:** The hash-to-element (H2E) process enhances security by mitigating attempts by malicious actors to recover Wi-Fi passwords.

CRC Improvements: Enhanced CRC and interference calculation in IQE

Dual Mode Support: This release features support for client and backhaul access on the same radio in the 6 GHz band.

CLM updates: This release contains power table and country code support for the UK, Europe, Peru, Costa Rica, Honduras, Brazil, UAE, Saudi Arabia, Chile, and Morocco.

Hanshow ESL Support: Devices running this release of IQ Engine can support Hanshow electronic shelf labels (ESLs).

Known and Addressed Issues

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

Known Issues in IQ Engine 10.4r2

HOS-17743	The mesh backhaul throughput is low on 20 MHz and 80 MHz channel widths in the 6 GHz band.
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-17707	The upload data throughput is lower than the download data throughput on the 20 MHz and 80 MHz channels in the 6 GHz band.
HOS-17683	Some WPA3 clients cannot associate to the AP4000 properly when band steering is enabled. Workaround: 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.
HOS-17620	Traffic is sometimes disrupted when the admin disables WMM in the configuration or when the client does not support WMM.

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.