

# IQ Engine 10.2r3 Release Notes

**Release date:** November 9, 2020

**Hardware platforms supported:** AP305C, AP305CX, AP410C, AP460C, AP510C, AP510CX, AP630, AP650, AP650X

**Management platforms supported:** ExtremeCloud IQ 20.11.41.1 and later

*“(i)” You can upgrade existing devices to IQ Engine 10.2r3 in ExtremeCloud IQ 20.11.41.1 and later to take advantage of bug fixes and stability enhancements, but the new features are not available from within ExtremeCloud IQ until a later ExtremeCloud IQ release.*

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## New Features and Enhancements

This release introduces the following new features and enhancements:

**Location Essentials Support:** Devices running IQ Engine 10.2r3 can function as a WIPS sensor to support ExtremeLocation Essentials.

**On-premises AirDefense Support:** Devices running IQ Engine 10.2r3 can function as a WIPS sensor to support the on-premises version of Extreme AirDefense in one of two operating modes, shared and dedicated. In shared sensor mode, APs can serve clients and perform background scanning. In dedicated sensor mode, APs do not serve clients and instead dedicate both radios to background scanning.

**AP410C and AP460C 802.3af PoE Behavior Changes:** AP410C and AP460C access points restrict interfaces in the following ways when using 802.3af PoE power: Maximum power of 5 GHz radios to 17 dBm, of 2.4 GHz radios to 14 dBm, of scanning radios to 15 dBm, USB interface shutdown, no 1 Gbps link, and maximum bandwidth reduced to 80 MHz.

**World SKU Support:** Devices running this version of IQ Engine support the World SKU, which eases regulatory domain assignment.

**Additional Region Support:** Devices running IQ Engine 10.2r3 support Israel and Egypt region codes.

**802.11ax Support Enhancement:** Devices running IQ Engine 10.2r3 fully support up to 512 802.11ax clients per radio, and up to 1024 802.11ax clients per AP.

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## Known and Addressed Issues

The following tables list known and addressed issues in IQ Engine 10.2.

### Known Issues in IQ Engine 10.2r3

There are no known issues in this release.

## Addressed Issues in IQ Engine 10.2r3

CFD-5569	Administrators could not configure a static WAN IP address using the NetConfig UI.
CFD-5498	Client devices did not re-authenticate properly during roaming.
CFD-5448	AP650 access points could not reconnect to the network after a broadcast storm ended.
CFD-5340	AP650 access points sometimes falsely reported radar events when both radios were in 5 GHz mode.
CFD-4873	Some APs did not pass traffic for several minutes after clients authenticated to the SSID.
CFD-4608	Some APs became unresponsive during normal operation.
HOS-15846	When an IDP scan was initiated, the AP sometimes stopped receiving traffic from client stations.

## Addressed Issues in IQ Engine 10.2r2

CVE-2020-16152 PSIRT-34 PSIRT-32	Attackers were able to exploit the web interface of devices running previous versions of IQ Engine to elevate privileges and to perform denial of service attacks.
CFD-5234	DTLS handshakes were sometimes unsuccessful.
HOS-16451	Administrators could not configure some outdoor access points for transmit power settings above 20 dBm.
HOS-16248	Zero-wait DFS did not function properly on AP410C and AP510C access points.
HOS-14251	After a radar event triggered Zero-wait DFS, stations were deauthenticated and could not reconnect to the AP.

## Addressed Issues in IQ Engine 10.2r1

This is the inaugural release of IQ Engine 10.2.