

# IQ Engine 10.3r1 Release Notes

**Release date:** January 27, 2020

**Hardware platforms supported:** AP302W, AP305C, AP305CX, AP410C, AP460C, AP510C, AP510CX, AP630, AP650, AP650X

**Management platforms supported:** ExtremeCloud IQ 21.1.20.1 and later

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## New Features and Enhancements

This release introduces the following new features and enhancements:

**New Hardware Support:** IQ Engine 10.3r1 supports the AP302W 802.11ax wallplate access point.

**WPA3 Enterprise:** IQ Engine 10.3r1 supports WPA3 Enterprise Only mode. WPA3 Enterprise Only mode requires that all transmissions use protected management frames (PMF).

**Client OS Detection Improvements:** Devices running this version of IQ Engine now keep a local dynamic client OS fingerprint database, which it uses to determine the client device OS quickly. IQ Engine also dynamically synchronizes the database with that of ExtremeCloud IQ.

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## Known and Addressed Issues

The following tables list known and addressed issues in IQ Engine 10.3.

### Known Issues in IQ Engine 10.3r1

HOS-16894	AP305C access points sometimes becomes unresponsive or spontaneously reboots.
HOS-16878	Devices running IQ Engine 10.3r1 sometimes generate alarm messages with neighborhood background scanning is disabled.
HOS-16843	Devices running IQ Engine 10.3r1 sometimes generate WIPS alarm messages for excluded channels.
HOS-16837	The channel width on some APs does not change dynamically.
HOS-16833	Software Defined Radio (SDR) configurations sometimes do not upload successfully to the AP.
HOS-16800	Multi-user (MU) MIMO not functioning properly on high-efficiency (HE) clients.
HOS-16793	AP302W wallplate access point experiences high packet loss and loss of connectivity after the admin enable private client groups (PCG).
HOS-16248	Zero-wait DFS does not function properly on AP410C and AP510C access points.
HOS-14251	Stations sometimes cannot reconnect after a DFS event.

## Addressed Issues in IQ Engine 10.3r1

This is the inaugural release of IQ Engine 10.2.