IQ Engine v10.7.2 Release Notes

New Features, Fixes, and Known Issues

9039045-00 Rev AC
August 2024

Copyright © 2024 Extreme Networks, Inc. All rights reserved.

Legal Notice

Extreme Networks, Inc. reserves the right to make changes in specifications and other information contained in this document and its website without prior notice. The reader should in all cases consult representatives of Extreme Networks to determine whether any such changes have been made.

The hardware, firmware, software or any specifications described or referred to in this document are subject to change without notice.

Trademarks

Extreme Networks and the Extreme Networks logo are trademarks or registered trademarks of Extreme Networks, Inc. in the United States and/or other countries.

All other names (including any product names) mentioned in this document are the property of their respective owners and may be trademarks or registered trademarks of their respective companies/owners.

For additional information on Extreme Networks trademarks, see: https://www.extremenetworks.com/about-extreme-networks/company/legal/trademarks

Open Source Declarations

Some software files have been licensed under certain open source or third-party licenses. End-user license agreements and open source declarations can be found at: https://www.extremenetworks.com/support/policies/open-source-declaration/

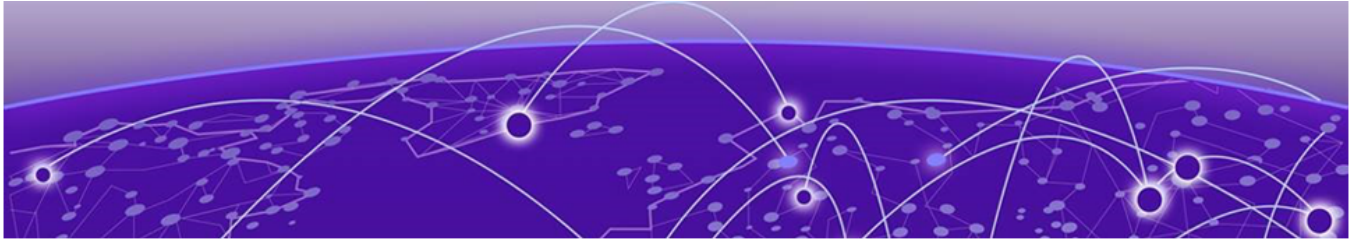


Table of Contents

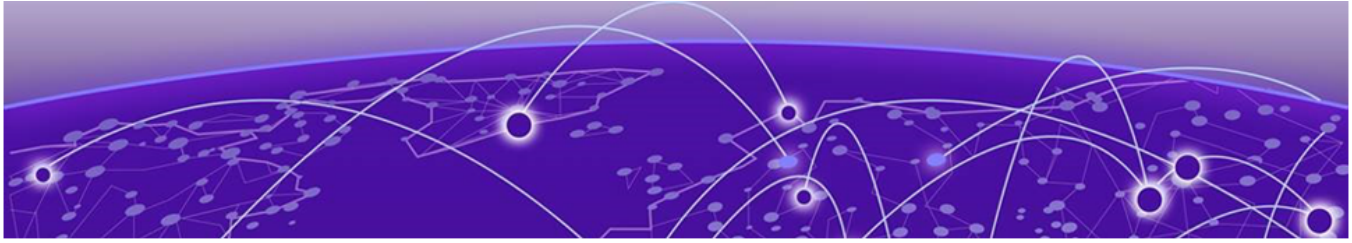
General Release Information for Release 10.7.2 4
- Release Date 4
- New Hardware Supported 4
- Hardware Platforms Supported 4
- Management Platforms Supported 5

New Features in Release 10.7.2 6

Addressed Issues in Release 10.7.2 7

Known Issues in Release 10.7.2 8

Earlier 10.7 Releases 9
- Release 1: 10.7.1 New Features and Addressed Issues 9
  - New Hardware Supported 9
  - Addressed Issues in Release 10.7.1 10



General Release Information for Release 10.7.2

Release Date

July 2024

The release notes for IQ Engine version 10.7.2 detail the supported hardware, new features, addressed issues, and known problems. Supported hardware includes models AP650, AP650X, AP305C/CX, AP302W, AP510C/CX, AP410C, AP460C, AP3000, AP4000, and AP5010. New features include AFC support for AP5050U and AP5050D, and fixes for mDNS advertisement with non-default VLANs. Addressed issues cover problems with ASCOM iP62 calls, AP302W crashes, incorrect WMM QoS values, R0KH-ID mismatches, Delta config push issues, AP510C crashes, PPSK self-registration vulnerabilities, and CAPWAP connection issues. Known issues include WPA3 client associations and boot problems with non-Extreme micro-USB cables. The document also includes information on earlier 10.7 releases, particularly new features and addressed issues from version 10.7.1.

New Hardware Supported

There is no new hardware supported for Release 10.7.2.

Hardware Platforms Supported

- AP650
- AP650X
- AP305C/CX
- AP305C-1
- AP302W
- AP510C/CX
- AP410C
- AP410C-1
- AP460C
- AP460S6C
- AP460S12C
- AP3000
- AP3000X
- AP4000

- AP4000-1
- AP5010
- AP5020
- AP5050D
- AP5050U

Management Platforms Supported

ExtremeCloud IQ 24.5.0 and later

Related Topics

New Features in Release 10.7.2 on page 6
Addressed Issues in Release 10.7.2 on page 7
Known Issues in Release 10.7.2 on page 8

New Features in Release 10.7.2

Table 1: New features in 10.7.2

Feature ID	New feature	Description
HOS-18946	AFC: GA Ready AFC Solution	AFC is now supported on IQ Engine specifically for the AP5050U & AP5050D. AFC support is a requirement for Standard Power use for outdoor 6 GHz radios. The AP must coordinate channel and power availability from an AFC SaaS database before transmitting.
HOS-20824	Thread router—Fix mdns advertisement when using non-default vlan	We resolved an issue with mDNS advertisement when using non-default VLAN.

Addressed Issues in Release 10.7.2

Table 2: Addressed issues in 10.7.2

Issue ID	Description
CFD-9256 (02740906, 02762111, 02858831)	IQE: ASCOM iP62 randomly drops calls on roaming failures.
CFD-10640 (02903895)	The AP302W Kernel and Hardware Watchdog crashes on 10.6.5.
CFD-10962 (02926088)	Universal APs: Beacons do not show updated WMM QoS values for Contention Window Min and Max.
CFD-10995 (02901029)	The length of R0KH-ID in the Reassociation Response is incorrect, causing an R0KH-ID mismatch and some clients to drop down the connectivity accordingly.
CFD-11040 (02929452)	[IQE] Delta config push issue sometimes causes ACL to not work as the AP IP-policy (firewall).
CFD-11050 (02921799)	[IQE] AP510C 10.6.6 getting "ah_auth" crash, often causing the client to reconnect, due to 32 characters limit.
CFD-11167 (02938970)	PPSK self registration: Security vulnerability with captive portal solution.
CFD-11169 (02918590)	Improper redirect—PPSK Self registration.
CFD-11304 (02946092)	AP5010s unable to establish a CAPWAP connection until after reset.
HOS-20556	We increased the Dynamic Packet Capture file size from 50kb to 100k to address a scenario were captures were not showing up.
HOS-20803	We resolved an issue with Client Monitor 2.0 and Dynamic Packet Capture not working for WPA3-ENT protected SSIDs.
HOS-20992	We resolved an issue with the AP5020 ETH0 Wired speed showing as 10Mbps instead of 10Gbps on the D360 Wired Interface.

Known Issues in Release 10.7.2

Table 3: Known issues in 10.7.2

Issue ID	Description
HOS-17683	Some WPA3 clients cannot associate to the AP4000 properly when band steering is enabled. **Workaround:** Disable band steering.
HOS-18313	AP5010, AP5050D, and AP5050U devices will not boot when some non-Extreme micro-USB cables are connected. **Note:** For all Extreme Networks access points, use the Extreme Networks certified ACC-WIFI-MICRO-USB console cable. Other MICRO-USB console cables have not been certified by Extreme Networks. **Workaround:** Use an Extreme Networks certified console cable, or plug in the cable after the AP boots.

Earlier 10.7 Releases

Release 1: 10.7.1 New Features and Addressed Issues on page 9

The following sections provide information about changes for earlier IQ Engine 10.7 releases.

Release 1: 10.7.1 New Features and Addressed Issues

New Hardware Supported

Release 10.7.1 adds support for the AP5020.

Table 4: New features in 10.7.1

Feature ID	New feature	Description
HOS-18819	AP5020: Bring up Multi BLE for Dual IoT Radio	For AP5020, we changed the iBeacon defaults. Old Defaults: • UUID: 4165726F686976654E6574776F726B73 (AerohiveNetworks) • MAJOR: 1 • MINOR: 1 New Defaults: • UUID: 00000000-0000-0000-0000-000000000000 • MAJOR: 0 • MINOR: 0
HOS-20002	AP5020 SDR Mode Configuration Phase 1 (Mode1 & Mode3)	The AP5020 supports two radio modes with IQ Engine 10.7r1: • Mode 1 (Tri-Radio): 2.4 GHz (Radio-1), 5 GHz (Radio-2), 6 GHz (Radio-3) • Mode 2 (Dual 5 GHz w/ 6 GHz): 5 GHz (Radio-1), 5 GHz (Radio-2), 6 GHz (Radio-3)
HOS-20184	AP5020 - 320Mhz support	We added AP5020 (WiFi 7) support for the 320 MHz channel, on the 6 GHz radio.

Table 4: New features in 10.7.1 (continued)

Feature ID	New feature	Description
HOS-20191	AP5020 : 4096-QAM – 6G radio only	We added AP5020 support for 4096-QAM on the 6 GHz radio.
HOS-20501	Add Tier 1 Countries for GA release AP5020	We added support for the AP5020 (Wi-Fi7) Access Point to: USA, Canada, EU, Puerto Rico, Colombia, and United Kingdom
HOS-20503	Add all Tier 1A Countries for AP5020	We added support for the AP5020 (Wi-Fi7) Access Point to: Australia, New Zealand, Brazil, Mexico, Japan, South Korea, Singapore, South Africa, and UAE.
HOS-20589	Wi-Fi7 802.11BE features 24r4 / 10.7.1	We added Phase 1 Wi-Fi 7 (802.11be) features to IQ Engine.
HOS-20608	AP5020 SDR Phase 1: Allow only access mode on Wi-Fi interfaces	The AP5020 provides support for client Access Mode only on the Wi-Fi interfaces. Mesh, sensor-mode and client mode support are currently not supported.

Addressed Issues in Release 10.7.1

There are no new addressed issues for Release 10.7.1.