



# ExtremeCloud IQ v24.5.0.70 Release Notes

Enhancements, Fixes, and Supported Devices

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# Table of Contents

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<b>General Release Information.....</b>	<b>4</b>
Current Release: 24.5.0.70.....	4
Abstract.....	4
Release: 24.5.0.70 Addressed Issues.....	4
Release: 24.5.0.65 Known and Addressed Issues.....	5
Essentials Release.....	5
Release: 24.5.0.56 Addressed Issues.....	5
ExtremeCloud IQ Public IP Address Blocks.....	6
Supported IQ Engine v10.7.2 Software.....	7
<b>Previous Release.....</b>	<b>8</b>
New Features in 24.5.0.55.....	8
Addressed Issues in 24.5.0.55.....	11
<b>Known Issues in 24.5.0.....</b>	<b>13</b>
<b>Device Support Information.....</b>	<b>15</b>
Controllers.....	15
Access Points.....	16
Universal Hardware.....	16
IQ Engine (Cloud Native).....	17
ExtremeWireless WiNG.....	18
Extreme Wireless.....	19
Switches.....	20
Universal Hardware.....	21
ExtremeXOS.....	36
VOSS.....	40
IQ Engine (Cloud Native).....	41
Dell EMC.....	42
Routers.....	42
ExtremeCloud IQ Site Engine.....	43
ExtremeCloud IQ CoPilot.....	46
ExtremeCloud A3.....	47
Supported Browsers and Display Settings.....	47
Desktop and Mobile Browser Support.....	47
Display Settings.....	47



# General Release Information

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## Current Release: 24.5.0.70

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September 2024

## Abstract

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Release notes for ExtremeCloud IQ version 24.5.0.70 document the addition of device OS support, new features, addressed issues, and known issues. The release introduces support for ExtremeXOS/Switch Engine versions 32.7.1.9 and 32.6.3.127 with image download, onboard, monitor, config, and image drag & drop capabilities, as well as VOSS/Fabric Engine version 8.10.4 and IQ Engine 10.7.2. New features include legacy entitlement key limitations, manage and unmanage XIQ-SE, exceptions for LLDP with multicast filter/rate-limit, AFC for outdoor 6E radios, syslog hostname addition, and iBeacon functionality enhancements. Addressed issues include corrections to reports, widgets, user deletion processes, SNMP server object saving, historical client session duplication, and AP5020 wired speed display. Known issues include WING-OS conversion failures, OS version discrepancies, security enhancements, unsupported advanced configuration options, and compliance-driven deprecations.

## Release: 24.5.0.70 Addressed Issues

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**Table 1: Addressed Issues in Release 24.5.0.70**

Issue ID	Description
CFD-11985 (02981052)	ExtremeCloud IQ supports the E3125.
CFD-12056 (02983377), CFD-11954 (02979465)	Addressed issues that prevented the proper pushing of configurations to switches in some situations.
CFD-12157 (02992350)	Addressed an issue preventing SD-WAN customers from accessing platform 2.
CFD-12148 (02991671, 02991544, 02992652, 02994195, 02992652, 02994654, 02994595, 02995058, 02994361, 02995536, 02996453, 03000516)	Addressed issues with displaying service status and modifying interfaces at the device level for iBeacon.
CFD-12161 (2991704, 02992895, 02995271)	Addressed an issue where <b>Manage &gt; Device &gt; Showing X of Y</b> displayed values incorrectly when filters were applied. Restored the previous behavior where <b>Showing X of Y</b> does not include stack units.

## Release: 24.5.0.65 Known and Addressed Issues

In this release of ExtremeCloud IQ, we added new context-sensitive help links, improved application performance, and resolved the following issues.

**Table 2: Known Issues in Release 24.5.0.65**

Issue ID	Description
CFD-12226 (02995025) XMAPP-1689	<p>ExtremeCloud IQ v24.5.0.65 supports ExtremeCloud IQ Mobile Companion (v12.1). The Mobile Companion prompts the user to upgrade. Customers must upgrade to Mobile Companion v12.1 to authenticate.</p> <p><b>Important:</b> If users skip the Mobile Companion upgrade, they will not be able to log in to ExtremeCloud IQ using the previous Mobile Application version.</p> <ul style="list-style-type: none"> <li>• Mobile Companion (v12.1) has been released in Apple Store (iOS) and Play Store (Android).</li> <li>• Mobile Companion users are prompted to upgrade to the new version upon launching the App.</li> <li>• Mobile Companion will force an upgrade after 7 days.</li> </ul>

**Table 3: Addressed Issues in Release 24.5.0.65**

Issue ID	Description
CFD-11822 (02972294, 02979811)	Addressed issues loading the SD-WAN application under certain circumstances.
CFD-12127 (2989324)	Addressed login issues after unlinking from the support portal.

## Essentials Release



### Note

There is no dependency on ExtremeCloud IQ or its components for the following Essentials application releases.

**Table 4: Addressed Issues in ExtremeGuest Essentials Build 24.5.0.8**

Issue ID	Description
XESS-1582	Addressed issues with Channel and SSID missing from Live Reports in AirDefense Essentials.

## Release: 24.5.0.56 Addressed Issues

This release of ExtremeCloud IQ resolved an issue where an external administrator experienced application slowness during action requests.

## ExtremeCloud IQ Public IP Address Blocks

Data Center	IP Block	Addresses and Ports
Global Data Center (GDC)	44.234.22.92/30 18.194.95.0/28 34.253.190.192/26 3.234.248.0/27	
Australia (AUS)	13.210.3.192/28	<a href="#">Firewall Address and Port Information</a>
Azure, Canada Central (ACA)	20.151.64.48/28	<a href="#">Firewall Address and Port Information</a>
Azure, US East (AVA)	52.226.89.112/28	<a href="#">Firewall Address and Port Information</a>
Brazil (BR)	18.228.70.16/28	<a href="#">Firewall Address and Port Information</a>
Germany (FRA)	3.67.81.96/27 18.194.95.0/28	<a href="#">Firewall Address and Port Information</a>
India (IN)	13.232.67.8/29 3.6.70.64/29	<a href="#">Firewall Address and Port Information</a>
Ireland (IE)	34.253.190.192/26	<a href="#">Firewall Address and Port Information</a>
Japan (JP)	18.176.203.112/29 13.231.6.232/29 57.181.58.0/28	<a href="#">Firewall Address and Port Information</a>
Netherlands (NL-GCP)	34.91.82.64/27	<a href="#">Firewall Address and Port Information</a>
Singapore (SG-GCP)	34.87.158.80/28	<a href="#">Firewall Address and Port Information</a>
Spain (ES)	18.101.49.128/27	<a href="#">Firewall Address and Port Information</a>
Sweden (SE)	13.48.186.224/29 13.48.4.184/29 13.48.4.240/28	<a href="#">Firewall Address and Port Information</a>
Switzerland (ACH)	51.107.1.192/28	<a href="#">Firewall Address and Port Information</a>
United Arab Emirates (UAE)	3.28.159.128/28	<a href="#">Firewall Address and Port Information</a>
United Kingdom (UK-AGB)	51.143.233.80/28	<a href="#">Firewall Address and Port Information</a>
US East (VA )	34.202.197.0/26 44.192.245.0/26 3.234.248.0/27	<a href="#">Firewall Address and Port Information</a>
US East 2 (VA2)	34.202.197.0/26 44.192.245.0/26 3.234.248.0/27	<a href="#">Firewall Address and Port Information</a>
US-Iowa (IA-GCP)	34.67.130.64/27	<a href="#">Firewall Address and Port Information</a>
US Ohio (OH)	3.145.235.64/26	<a href="#">Firewall Address and Port Information</a>

## Supported IQ Engine v10.7.2 Software

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See the [Release Notes](#) for information about the current release of IQ Engine.



# Previous Release

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[New Features in 24.5.0.55](#) on page 8

[Addressed Issues in 24.5.0.55](#) on page 11

This section lists the new features, addressed issues, and known issues for the previous release.

## New Features in 24.5.0.55

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### Device OS Support

This release adds support for the following device operating systems:

- **ExtremeXOS/Switch Engine:**
  - 32.7.1.9 Image Download Support
  - 32.7.1.9 Onboard, Monitor, Config, Image Drag & Drop Support
  - 32.6.3.127 Patch 1-X Image Download Support
  - 32.6.3.127 Patch 1-X Onboard, Monitor, Config, Image Drag & Drop Support
  - 32.7.1.9 Patch 1-X Image Download Support
  - 32.7.1.9 Patch 1-X Onboard, Monitor, Config, Image Drag & Drop Support
  - EXOS IQagent 0.8.3 – Switch Engine supports IQagent 0.8.3
- **VOSS/Fabric Engine:**
  - VOSS IQagent 0.8.3 – Fabric Engine now supports IQagent 0.8.3
- **IQ Engine:**
  - IQ Engine 10.7.2

### New Hardware Support

There is no new hardware support in this release.



**Table 5: New Features in 24.5.0.55**

Feature ID	Feature	Description
XCP-1386	Limitation when both Legacy Entitlement Keys and new licenses are used.	Legacy Entitlement Keys are incompatible with the new features and upcoming licensing schema. To convert your Legacy Entitlement Keys to new subscriptions follow the procedure: <a href="#">ExtremeCloud IQ Licensing Guide</a>
XIQ-14269	Manage & Unmanage XIQ-SE	New option to change the management status of the ExtremeCloud IQ Site Engine. The GUI is locked for an unmanaged ExtremeCloud IQ Site Engine, similar to the license violation. Go to <b>Manage &gt; Devices &gt; Actions</b> . The Change Management option is now available for ExtremeCloud IQ Site Engine.
XIQ-16418	Allow exceptions for LLDP when multicast filter / rate-limit is on	Exceptions are available for LLDP when multicast filter or rate-limit is enabled.
XIQ-16546	AFC: GA Ready AFC Solution	Automatic Frequency Coordination (AFC) is now supported on ExtremeCloud IQ. AFC support is a requirement for Standard Power use for outdoor 6E radios. The AP must coordinate channel and power availability from an AFC SaaS database before transmitting. ExtremeCloud IQ provides an "AFC View" from the <b>Manage &gt; Devices</b> page. From this view, you see the AFC status for each access point as well as three information graphs: AFC Status, Geo Location, and AFC Spectrum Mismatch.
XIQ-28687	AP5050U deprecate Under-Seat environment setting	The AP5050U Under Seat option has been removed. Under Seat functionally is identical to the Outdoor setting.
XIQ-28860	Syslog: Add hostname to Syslog Messages—support for new CLI CMD	The syslog page now supports the option to add the hostname of an access point to the syslog header. This enhancement makes it easier to identify individual access points in the syslog output.
XIQ-28771	Expose Additional iBeacon Functionality	The iBeacon Service page now supports enhanced capabilities, including the ability to configure post-URL and post-interval settings. It enables posting iBeacon scan results at specified intervals and forwarding BLE scan results in JSON format to an external web server using HTTP Post.

**Table 5: New Features in 24.5.0.55 (continued)**

Feature ID	Feature	Description
XIQ-29541	xAPI - Endpoint to Query Available Firmware and Update AP	API now permits query of available software releases for a specific device or devices, and performing update of software to a specific supported image.
XIQ-30034	ST: Fabric Engine/VOSS 9.0.3 Onboard, Monitor, Config, and Download Image Support	XIQ now supports Fabric Engine/VOSS 9.0.3 image download for all supported VSP/Fabric Engine SKUs.
XIQ-30040	ST: Fabric Engine/VOSS 8.10.4 XIQ Onboard, monitor, config support with image drag & drop	ExtremeCloud IQ support for onboard, monitor, config with image drag & drop with Fabric Engine/VOSS 8.10.4.0. Supported switch models are 7720, 7520, 5720, 5520, 5420 and 5320 Universal switches as well as VSP7400 and VSP4900.
XIQ-30041	ST: VOSS/Fabric Engine 8.10.4 Onboard, Monitor, Config, and Download Image Support	XIQ will now support Fabric Engine/VOSS 8.10.4 image download for all supported VSP/Fabric Engine SKUs.
XIQ-30220	Support for IQE 10.7.2	ExtremeCloud IQ now supports IQ Engine 10.7.2.
XIQ-30344	All Page behavior improvements	Now when you select <b>All Pages</b> on the <b>Devices</b> page, only the basic actions supported by the selected device are available from the <b>Actions</b> menu.
XIQ-31185	Digital Twin—Add support for SwitchEngine 32.6.3	We have added support for OS version 32.6.3. CoPilot Digital Twin supports SwitchEngine OS version 32.6.3 and later.
XIQ-31238	Timebound: EXOS/SwitchEngine 32.6.3.127-patch1-8 GA Download Image Support	ExtremeCloud IQ now supports EXOS/SwitchEngine version 32.7.1 for download image support.

**Table 5: New Features in 24.5.0.55 (continued)**

Feature ID	Feature	Description
XIQ-31629	New Search capability for Real Time maps	Search functionality has been added to <b>Manage &gt; Real time maps</b> .
XIQ-32087	Copilot: Enable VLAN Counters	<p>We've added a new capability to track and display detailed traffic statistics for VLANs on each access point interface. This feature provides network administrators with granular visibility into VLAN-specific traffic patterns and performance.</p> <p>New CLI command: <b>show interface vlan counters</b></p> <p>Measured counters include:</p> <ul style="list-style-type: none"> <li>• Total bytes (octets) sent and received</li> <li>• Unicast bytes sent and received</li> <li>• Broadcast bytes sent and received</li> <li>• Multicast bytes sent and received</li> <li>• Dropped bytes</li> </ul> <p>This enhancement enables more precise monitoring and troubleshooting of VLAN traffic across your wireless network infrastructure.</p>

## Addressed Issues in 24.5.0.55

**Table 6: Addressed Issues in 24.5.0.55**

Issue ID	Description
CFD-10889 (02919112)	Fixed an issue where the data from "Top Access Points by Client" report was inaccurately reported in both the csv and on the UI report graph.
CFD-10898 (02919505, 02922614)	The number of Switches in <b>Manage &gt; Network Summary</b> was incorrect when switches were managed by both XIQ and XIQ-SE.
CFD-11013 (02916971)	Fixed an issue where the widget for the File Transfer Application Group was displaying null or incorrect data.
CFD-11237 (02941588)	Fixed an issue where users could not be deleted if they were in a Private Client Group associated to an SSID where the SSID was later deleted.
CFD-11298 (02945710)	Some links to configuration items were incorrectly referenced when using languages other than English.
CFD-11548 (02953772)	Fixed an issue where Guest Management roles were unable to list, create, or delete user Accounts through API.
CFD-11784 (02966842)	Fixed an issue in HIQ-enabled accounts where SNMP server objects could not be saved in a policy.

**Table 6: Addressed Issues in 24.5.0.55 (continued)**

Issue ID	Description
CFD-11788 (02967904)	XiQ modifying the sharing port after making changes in device level configuration.
XIQ-9848	Returned by XIQ backend historical client sessions has now removed duplicates by timestamp. Historical client sessions merged when overlapping.
XIQ-15802, XIQ-33432	ExtremelOT™ Essentials™ has been deprecated from ExtremeCloud IQ. Existing customers can toggle access from the URL, where 10.XXX.XX.49 is the IP for your VIQ.
XIQ-21819	Dual 5G: On editing radio profile mapped to WiFi0 using a device template, WiFi1 gets assigned with a different radio profile.
XIQ-30913	The AP5020 ETH0 Wired speed was shown as 10Mbps instead of 10Gbps on the D360 Wired Interface.
XIQ-31670	AP installation height allows negative values. For correct heat map calculations enter a positive value.
XIQ-31731	Added validation for Eddystone beacon URL.
XIQ-31742	Eddystone URL character limit is set to 34.
XIQ-31752	In the BLE Scan application, enabling Batch Reporting sends scan results to an HTTP server. The URL must begin with http:// to ensure the destination server receives the data.  In this release, ExtremeCloud IQ doesn't validate the URL. Use the correct format to avoid issues. If the server URL lacks http://, the AP can fail to post scan results, leading to connection timeouts logged in the AP.
XIQ-31766	Addressed the issue where the MaxClient Capabilities in both the Device 360 and Client 360 details pages were blank.

## Known Issues in 24.5.0

The following table lists known product issues. Issues are grouped according to ID prefix and sorted within their group with the most recently logged issue listed first. (Issue IDs are in descending order.)

**Table 7: Known Issues in 24.5.0**

Issue ID	Description
CFD-12226 (02995025) XMAPP-1689	<p>ExtremeCloud IQ v24.5.0.65 supports XIQ Mobile Application (v12.1). Mobile Application prompts the user to upgrade. Customers must upgrade to Mobile Application v12.1 to authenticate.</p> <p><b>Important:</b> If users skip the Mobile Application upgrade, they will not be able to login to ExtremeCloud IQ using the previous Mobile Application version.</p> <ul style="list-style-type: none"> <li>• Mobile App (v12.1) has been released in Apple Store (iOS) and Play Store (Android).</li> <li>• Mobile App users are prompted to upgrade to the new version upon launching the App.</li> <li>• Mobile App will force an upgrade after 7 days.</li> </ul>
CFD-10699 (02906999)	Universal Access Points failed to complete the WiNG-OS conversion, even after a successful CAPWAP and STUN binding.
XIQ-33849	ExtremeCloud IQ currently displays different operating system (OS) versions when viewing the Digital Twin device. The OS version shown within the Network Policy template is correct.
XIQ-31560	Security enhancement implemented in ExtremeCloud IQ 24.4.0 requires ExtremeCloud IQ Site Engine minimum version 24.2.14 for Single Sign-On from ExtremeCloud IQ to ExtremeCloud IQ Site Engine (Open Site Engine in the Device 360 View).
XIQ-31433	The <b>Cloud Service</b> component of iBeacon is temporarily disabled. This service will be available in a future release.
XIQ-30696	The AP5020 High-Density option, as well as other advanced configuration options within the Wi-Fi 7 Radio Profile settings are not currently supported. These options will be available in a future release.
XIQ-20111	Each site configuration must include an assigned country. You can not modify a site configuration that does not include an assigned country.

**Table 7: Known Issues in 24.5.0 (continued)**

Issue ID	Description
XIQ-20909	AP3000: When trying to configure 6 GHz for a country that does not support it, the configuration push fails. <b>Workaround:</b> Revert to 2.4 GHz.
XIQ-12503	Network 360 shows <b>Unknown Error</b> when <b>All Access Points Applications</b> is selected and the user is selecting both ExtremeWireless WiNG and IQ Engine devices. <b>Workaround:</b> Deselect ExtremeWireless WiNG devices.
XIQ-5700	Client Trial showed only the currently connected AP when the client roamed to a different AP from the onboarded ExtremeCloud IQ Controller.
CFD-8946 ( 02710778, 02748750)	License descriptions are automatically cleared when the Activated status is updated.
APC-41057	Legend labels on the SR2200/2300 switch stack graph sometimes disappear when attempting to download or print the graph. <b>Workaround:</b> Download one graph at a time, and open the downloaded file before choosing to download again. <b>Note:</b> The SVG option is the most stable format; PNG, JPG, and PDF have spacing issues on the legend section.
APC-21456	In rare cases, ExtremeCloud IQ does not upload some IGMP sub-commands successfully. <b>Note:</b> SR2200/2300 only. <b>Workaround:</b> Use the <b>Supplemental CLI</b> to upload commands when necessary. To use the supplemental CLI tool, go to <b>Global Settings &gt; VIQ Management</b> , and set the <b>Supplemental CLI</b> slider to <b>ON</b> .



# Device Support Information

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- [Controllers](#) on page 15
- [Access Points](#) on page 16
- [Switches](#) on page 20
- [Routers](#) on page 42
- [ExtremeCloud IQ Site Engine](#) on page 43
- [ExtremeCloud IQ CoPilot](#) on page 46
- [ExtremeCloud A3](#) on page 47
- [Supported Browsers and Display Settings](#) on page 47

This section lists the devices that ExtremeCloud IQ supports and includes the latest version of the software that each device supports.

## Controllers

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Device Model	Latest Supported Release	Comments
E1120	XIQC 10.10.02	Monitor only
E2120	XIQC 10.10.02	Monitor only
E2122	XIQC 10.10.02	Monitor Only
E3120	XIQC 10.10.02	Monitor only
VE6120	XIQC 10.10.02	Monitor only
VE6120H	XIQC 10.05.02	Monitor only
VE6120K	XIQC 10.10.02	Monitor Only
VE6125	XIQC 10.10.02	Monitor only
VE6125K	XIQC 10.10.02	Monitor Only
NX5500	WiNG OS 7.9.5.0	Monitor only
NX7500 Series	WiNG OS 7.9.5.0	Monitor only
NX9500 Series	WiNG OS 7.7.1.9	Monitor only
NX9600 Series	WiNG OS 7.9.5.0	Monitor only
RFS4000 Series	WiNG OS 5.9.7.1	Monitor only
RFS6000 Series	WiNG OS 5.9.1.8	Monitor only
RFS7000 Series	WiNG OS 5.8.6.11	Monitor only
VX9000	WiNG OS 7.9.5.0	Monitor only

## Access Points

Access Point information is provided in the following sections:

- [Universal Hardware](#) on page 16
- [IQ Engine \(Cloud Native\)](#) on page 17
- [ExtremeWireless WiNG](#) on page 18
- [Extreme Wireless](#) on page 19

### Universal Hardware

Device Model	Latest Supported Release	Comments
AP302W	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.3.1
AP305C	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.1.1
AP305C-1	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.4.6
AP305CX	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.1.1
AP3000	IQ Engine 10.7.2 AP 10.10.1	Platform support introduced with IQ engine 10.6.1
AP3000X	IQ Engine 10.7.2	Platform support introduced with IQ Engine 10.6.1
AP4000	IQ Engine 10.7.2 AP 10.10.1	Platform support introduced with IQ Engine 10.4.1
AP4000-1	IQ Engine 10.7.2 AP 10.10.1	Platform support introduced with IQ Engine 10.4.2
AP410C	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.1.2
AP410C-1	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.4.6
AP460C	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.1.2



Device Model	Latest Supported Release	Comments
AP460S6C	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.1.2
AP460S12C	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.1.2
AP5010	IQ Engine 10.7.2 WiNG OS 7.9.5.0 AP 10.10.1	Platform support introduced with IQ Engine 10.5.1
AP5020	IQ Engine 10.7.2 AP 10.10.1	Platform support introduced with IQ Engine 10.7.2
AP5050U	IQ Engine 10.7.2 AP 10.10.1	Platform support introduced with IQ Engine 10.5.3
AP5050D	IQ Engine 10.7.2 AP 10.10.1	Platform support introduced with IQ Engine 10.5.3
AP510C/CX	IQ Engine 10.7.2	Platform support introduced with IQ Engine 10.0.8

## IQ Engine (Cloud Native)

Device Model	Latest Supported Release	Comments
AP630	IQ Engine 10.6.7	Platform support introduced with IQ Engine 10.0.1. <a href="#">End of Life Information</a>
AP650	IQ Engine 10.6.7	Platform support introduced with IQ Engine 10.0.1. <a href="#">End of Life Information</a>
AP650X	IQ Engine 10.6.7	Platform support introduced with IQ Engine 10.0.1. <a href="#">End of Life Information</a>
AP1130	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 8.2.1. <a href="#">End of Life Information</a>
AP550	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 7.0.3. <a href="#">End of Life Information</a>
AP390	IQ Engine 6.5.16	<a href="#">End of Life Information</a>
AP370	IQ Engine 6.5.16	<a href="#">End of Life Information</a>
AP350	IQ Engine 6.5.16	<a href="#">End of Life Information</a>
AP340	IQ Engine 6.5.10	<a href="#">End of Life Information</a>
AP330	IQ Engine 6.5.16	<a href="#">End of Life Information</a>

Device Model	Latest Supported Release	Comments
AP320	IQ Engine 6.5.10	<a href="#">End of Life Information</a>
AP250	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 7.0.2.
AP245X	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 7.0.2. <a href="#">End of Life Information</a>
AP230	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 8.2.1. <a href="#">End of Life Information</a>
AP170	IQ Engine 6.5.16	<a href="#">End of Life Information</a>
AP150W	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 8.1.1. <a href="#">End of Life Information</a>
AP141	IQ Engine 6.5.16	<a href="#">End of Life Information</a>
AP130	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 8.2.1. <a href="#">End of Life Information</a>
AP122	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 7.0.4.
AP122X	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 8.2.1. <a href="#">End of Life Information</a>
AP121	IQ Engine 6.5.16	<a href="#">End of Life Information</a>
AP120	IQ Engine 6.5.10	<a href="#">End of Life Information</a>
Atom AP30	IQ Engine 10.6.1a	Platform support introduced with IQ Engine 8.3.2. <a href="#">End of Life Information</a>

## ExtremeWireless WiNG

Device Model	Latest Supported Release	Comments
AP560i	WiNG OS 7.9.5.0	Monitor only
AP560h	WiNG OS 7.9.5.0	Monitor only
AP505	WiNG OS 7.9.5.0	Monitor only
AP510i	WiNG OS 7.9.5.0	Monitor only
AP510i-1	WiNG OS 7.9.5.0	Monitor only
AP460i/e	WiNG OS 7.9.5.0	Monitor only
AP410i/e	WiNG OS 7.9.5.0	Monitor only
AP410i-1	WiNG OS 7.9.5.0	Monitor only
AP360i/e	WiNG OS 7.9.5.0	Monitor only
AP310i/e	WiNG OS 7.9.5.0	Monitor only
AP310i/e-1	WiNG OS 7.9.5.0	Monitor Only
AP3000	WiNG OS 7.9.5.0	Monitor Only
AP8533	WiNG OS 7.7.1.9	Monitor only

Device Model	Latest Supported Release	Comments
AP8432	WiNG OS 7.7.1.9	Monitor only
AP8232	WiNG OS 5.9.1.8	Monitor only
AP8222	WiNG OS 5.8.6.11	Monitor only
AP8163	WiNG OS 5.9.7.1	Monitor only
AP8132	WiNG OS 5.9.1.8	Monitor only
AP8122	WiNG OS 5.9.1.8	Monitor only
AP7662	WiNG OS 7.7.1.9	Monitor only
AP7632	WiNG OS 7.7.1.9	Monitor only
AP7622	WiNG OS 5.9.7.1	Monitor only
AP7612	WiNG OS 7.7.1.9	Monitor only
AP7602	WiNG OS 5.9.7.1	Monitor only
AP7562	WiNG OS 7.7.1.9	Monitor only
AP7532	WiNG OS 7.7.1.9	Monitor only
AP7522	WiNG OS 7.7.1.9	Monitor only
AP7502	WiNG OS 5.9.7.1	Monitor only
AP7161	WiNG OS 5.9.1.8	Monitor only
AP7131	WiNG OS 5.8.6.11	Monitor only
AP6562	WiNG OS 5.9.1.8	Monitor only
AP6532	WiNG OS 5.9.1.8	Monitor only
AP6522	WiNG OS 5.9.1.8	Monitor only
AP6521	WiNG OS 5.9.1.8	Monitor only
AP6511	WiNG OS 5.8.6.11	Monitor only

## Extreme Wireless

Device Model	Latest Supported Release	Comments
AP3965	ExtremeWireless 10.51	Monitor only
AP3935	ExtremeWireless 10.51	Monitor only
AP3917	ExtremeWireless 10.51	Monitor only
AP3916C	ExtremeWireless 10.51	Monitor only
AP3915	ExtremeWireless 10.51	Monitor only
AP3912	ExtremeWireless 10.51	Monitor only
SA201	ExtremeWireless 10.51	Monitor only

## Switches

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Switch information is provided in the following sections:

- [Universal Hardware](#) on page 21
- [ExtremeXOS](#) on page 36
- [VOSS](#) on page 40
- [IQ Engine \(Cloud Native\)](#) on page 41
- [Dell EMC](#) on page 42

For the latest release notes for Fabric Engine and Switch Engine , see the [Extreme Networks Documentation Site](#).

Universal Hardware

Device Model	Latest Supported Release	Standalone Support	Stack Support
4120-24MW-4Y	Switch Engine 32.7.1	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 200Gb stacking through two built-in QSFP28 ports</li> </ul> <p><b>Note:</b> Can only stack with other 4120 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4120-48MW-4Y	Switch Engine 32.7.1	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 200Gb stacking through two built-in QSFP28 ports</li> </ul> <p><b>Note:</b> Can only stack with other 4120 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
4120-Series-Stack	Switch Engine 32.7.1	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 200Gb stacking through two built-in QSFP28 ports</li> </ul> <p><b>Note:</b> Can only stack with other 4120 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4220-12P-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
4220-12T-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4220-24P-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
4220-24T-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4220-48P-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>



Device Model	Latest Supported Release	Standalone Support	Stack Support
4220-48T-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4220-4MW-20P-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
4220-4MW-8P-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4220-8MW-40P-4X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
4220-8X	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>
4220-Series-Stack	Switch Engine 32.7.1 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul> <p><b>Note:</b> Pilot license required to configure advanced features.</p>	<ul style="list-style-type: none"> <li>• Onboard</li> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Up to 8 unit stacking</li> <li>• 40Gb stacking through two built-in SFP+ uplink ports</li> </ul> <p><b>Note:</b> Can only stack with other 4220 devices. Cross stacking between 4120 and 4220 is not supported. Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5320-16P-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5320-16P-4XE-DC	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5320-24T-8XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5320-24P-8XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5320-48T-8XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5320-48P-8XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-24T-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-24P-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-24S-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-48T-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5420F-48P-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-48P-4XL	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul>
5420F-8W-16P-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-16W-32P-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420F-16MW-32P-4XE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5420M-24T-4YE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420M-24W-4YE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420M-48T-4YE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420M-48W-4YE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5420M-16MW-32P-4YE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5520-24W	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-24T	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-24T-ACDC	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-24X-ACDC	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-48W	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>



Device Model	Latest Supported Release	Standalone Support	Stack Support
5520-48T	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-48T-ACDC	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-12MW-36W	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-48SE	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5520-48SE-ACDC	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5520-24X	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5720-24MW	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5720-48MW	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
5720-24MXW	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
5720-48MXW	Switch Engine 32.7 Fabric Engine 9.0	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
7520-48Y	Switch Engine 32.7 Fabric Engine 9.0	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul> <p><b>Fabric Engine:</b> Monitor</p>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>
7520-48YE	Switch Engine 32.7 Fabric Engine 9.0	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul> <p><b>Fabric Engine:</b> Monitor</p>	<p><b>Switch Engine:</b></p> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <p><b>Note:</b> Cross stacking between 4000 and 5000 is not supported.</p>

Device Model	Latest Supported Release	Standalone Support	Stack Support
7520-48XT	Switch Engine 32.7 Fabric Engine 9.0	<b>Switch Engine:</b> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul> <b>Fabric Engine:</b> Monitor	<b>Switch Engine:</b> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <b>Note:</b> Cross stacking between 4000 and 5000 is not supported.
7720-32c	Switch Engine 32.7 Fabric Engine 9.0	<b>Switch Engine:</b> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul> <b>Fabric Engine:</b> Monitor	<b>Switch Engine:</b> <ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy</li> </ul> <b>Note:</b> Cross stacking between 4000 and 5000 is not supported.



#### Note

\* SSH Proxy and Supplemental CLI can be used for configuring additional parameters not currently available within template or device-level configurations.

## ExtremeXOS

Device Model	Latest Supported Release	Standalone Support	Stack Support
X435-8P-2T-W	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	N/A
X435-24T-4S	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>Monitor</li> <li>Template- and device-level configuration</li> <li>SSH Proxy*</li> <li>Supplemental CLI*</li> </ul>	N/A

Device Model	Latest Supported Release	Standalone Support	Stack Support
X435-24P-4S	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	N/A
X435-8T-4S	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	N/A
X435-8P-4S	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	N/A
X440-G2-12p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>
X440-G2-12t-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>
X440-G2-24p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>
X440-G2-24t-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>

Device Model	Latest Supported Release	Standalone Support	Stack Support
X440-G2-48p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>
X440-G2-48t-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>
X450-G2-24p-GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X450-G2-24p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X450-G2-48p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X460-G2-24p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X460-G2-48p-10GE4	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor

Device Model	Latest Supported Release	Standalone Support	Stack Support
X465-24W	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X465-48W	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X465-24MU	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X465-48P	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor
X465-24MU-24W	ExtremeXOS 32.6.3	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Monitor

**Note**

\* SSH Proxy and Supplemental CLI can be used for configuring additional parameters not currently available within template or device-level configurations.

## VOSS

Device Model	Latest Supported Release	Standalone Support	Stack Support
VSP7432CQ	VOSS 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported
VSP7400-48Y	VOSS 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported
VSP4900-48P	VOSS 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported
VSP4900-24XE	VOSS 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported
VSP4900-24S	VOSS 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported
VSP4900-12MXU-12XE	VOSS 9.0	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported



Device Model	Latest Supported Release	Standalone Support	Stack Support
XA1480	VOSS 8.10	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported
XA1440	VOSS 8.10	<ul style="list-style-type: none"> <li>• Monitor</li> <li>• Template- and device-level configuration</li> <li>• SSH Proxy*</li> <li>• Supplemental CLI*</li> </ul>	Not supported

**Note**

\* SSH Proxy and Supplemental CLI can be used for configuring additional parameters not currently available within template or device-level configurations.

## IQ Engine (Cloud Native)

Device Model	Latest Supported Release
SR2024 <a href="#">End of Life</a>	IQ Engine 6.5.12
SR2024P <a href="#">End of Life</a>	IQ Engine 6.5.12
SR2124P <a href="#">End of Life</a>	IQ Engine 6.5.12
SR2148P <a href="#">End of Life</a>	IQ Engine 6.5.12
SR2208P	FASTPATH 8.2.0.2 v1.0.1.29 ExtremeCloud IQ Agent 1.1.31
SR2224P	FASTPATH 8.2.0.2 v1.0.1.29 ExtremeCloud IQ Agent 1.1.31
SR2324P	FASTPATH 8.2.0.2 v1.0.1.29 ExtremeCloud IQ Agent 1.1.31
SR2348P	FASTPATH 8.2.0.2 v1.0.1.29 ExtremeCloud IQ Agent 1.1.31

## Dell EMC

Device Model	Latest Supported Release
N3132PX	IQAgent 1.1.29
N3024EF	IQAgent 1.1.29
N3024EP	IQAgent 1.1.29
N3024ET	IQAgent 1.1.29
N3048EP	IQAgent 1.1.29
N3048ET	IQAgent 1.1.29
N3024	IQAgent 1.1.29
N3024F	IQAgent 1.1.29
N3024P	IQAgent 1.1.29
N3048	IQAgent 1.1.29
N3048P	IQAgent 1.1.29
N2128PX	IQAgent 1.1.29
N2024	IQAgent 1.1.29
N2024P	IQAgent 1.1.29
N2048	IQAgent 1.1.29
N2048P	IQAgent 1.1.29
N1524	IQAgent 1.1.29
N1524P	IQAgent 1.1.29
N1548	IQAgent 1.1.29
N1548P	IQAgent 1.1.29
N1108T-ON	IQAgent 1.1.29
N1108P-ON	IQAgent 1.1.29
N1124T-ON	IQAgent 1.1.29
N1124P-ON	IQAgent 1.1.29
N1148T-ON	IQAgent 1.1.29
N1148P-ON	IQAgent 1.1.29

## Routers

Device Model	Latest Supported Release	Standalone Support
BR200WP <a href="#">End of Life</a>	IQ Engine 6.9.7	
XR200P	IQ Engine 6.9.7	Platform support introduced with IQ Engine 6.9.2
XR600	IQ Engine 10.0.11	Platform support introduced with IQ Engine 9.0.1

Device Model	Latest Supported Release	Standalone Support
XR600P	IQ Engine 10.0.11	Platform support introduced with IQ Engine 9.0.1
VGVA	IQ Engine 6.9.7	

## ExtremeCloud IQ Site Engine

ExtremeCloud IQ Site Engine Version	Supported Features
23.07.10	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>
23.07.11	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>
23.07.12	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>
23.07.13	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>

ExtremeCloud IQ Site Engine Version	Supported Features
23.11.10	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>
23.11.11	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>
23.11.12	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> </ul>
24.2.10	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>

ExtremeCloud IQ Site Engine Version	Supported Features
24.2.11	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>
24.2.12	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>
24.2.13	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine without SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>
24.02.14	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine with SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>

ExtremeCloud IQ Site Engine Version	Supported Features
24.02.15	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine with SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>
24.07.10	<ul style="list-style-type: none"> <li>• License allocation</li> <li>• Device Assignment to the ExtremeCloud IQ Location</li> <li>• Device Statistics</li> <li>• Port Statistics</li> <li>• Unmanage/Manage device</li> <li>• Device Group to CCG mapping</li> <li>• Open Site Engine with SSO</li> <li>• Stack members</li> <li>• NAC details update for wireless end-systems</li> <li>• Wired end-systems reported to ExtremeCloud IQ</li> </ul>

## ExtremeCloud IQ CoPilot

ExtremeCloud IQ CoPilot Feature	Minimum Firmware				
	IQ Engine	Switch Engine	Fabric Engine	Extreme XOS	VOSS
WiFi Efficiency	10.5.2*	--	--	--	--
WiFi Capacity	10.5.2*	--	--	--	--
PoE Stability	10.5.2*	32.1	8.6	32.1	8.6
Port Efficiency	10.5.2**	31.7	8.6	31.7	8.6
DFS Recurrence	10.5.2*	--	--	--	--
Adverse Traffic Patterns	10.5.2*	31.7	8.6	31.7	8.6
Wireless Connectivity Experience	10.5.2	--	--	--	--
Wired Connectivity Experience	--	31.7	8.6	31.7	8.6

\*beta support from 10.4

\*\*beta support from 10.5.1

## ExtremeCloud A3

ExtremeCloud A3 Version	Supported Features
5.0.1-4	<ul style="list-style-type: none"> <li>• Licensing</li> <li>• Status Monitoring</li> <li>• SSO</li> <li>• Client Details</li> </ul>

## Supported Browsers and Display Settings

### Desktop and Mobile Browser Support



#### Note

ExtremeCloud IQ does not support 32-bit browsers.

**Table 8: Desktop Browsers**

Desktop Browsers	Version Supported
Chrome	v116
Edge	v115
Firefox	v115
Internet Explorer	Not supported
Opera	v60
Safari	v13

**Table 9: Mobile Browsers**

Mobile Browsers	Version Supported
Android Webview	v73
Chrome for Android	v116
Edge	v79
Firefox for Android	v67
Opera for Android	v52
Safari for iOS	v13
Samsung Internet	Not supported

### Display Settings

ExtremeCloud IQ supports display resolutions of 1280 x 1024 or higher.