

Radio Profile

Name *

radio_ng_11ax-2g_tokio

Description

Supported Radio Modes

ax (2.4GHz) ▼

Maximum Transmit Power

10 10 - 20 dBm

Transmission Power Floor

5 2 - 20 dBm

Transmission Power Max Drop

2 0 - 18 dB

Maximum Number of Clients

100 1 - 255

Deny connection requests from legacy clients using 802.11b 802.11a/b/g

Neighborhood Analysis [▶](#)

Channel Selection

Channel

Auto ▼

Channel Width

20 MHz ▼

OFF

Exclude Channels

Transmission Power Auto
 Manual

ON Enable client transmission power control (802.11h)

Auto
 Manual

ON Limit Channel Selection

Allows for limiting the channel selection to non-overlapping channels.

Region

Channel Model

Limit Channel Selection To - -

OFF Use the last known power and channel during the AP boot up process

ON Dynamic Channel Switching

Dynamically select and switch channels based on the defined criteria.

Automatically select and switch channels during specified time interval

From

To

Do not switch channels if the number of connected clients exceeds
Range: 0-100

Switch channels anytime if RF interference exceeds the threshold

Interference Threshold %

CRC Error Threshold %

Do not switch channels if clients are connected

OFF

High Density Configuration

Enables settings designed to optimize performance in high density environments

OFF

Band Steering

Enables the steering of clients from 2.4 GHz to 5.0 GHz radio band

OFF

Client Load Balancing

Enables client load balancing across neighboring Extreme Networks devices within the same [hive](#). You must set both the WiFi and WiFi radios to the same load balancing mode when it is based on the number of associated stations.

OFF

Weak Signal Probe Request Suppression

Allows the configuration of signal-to-noise threshold beyond which the device does not respond to client probes.

ON

Safety Net

When a device is overloaded or is probed by clients with a low signal-to-noise ratio, Safety Net allows the device to respond to association requests after a certain time period lapses.

Safety Net Time Period

15

Seconds

Radio Settings

Preamble

Auto (Short/Long)

Beacon period

100

TUs



Enable short guard interval

Shorten guard interval to 400 from 800 nanoseconds.



Enable Aggregate MAC Protocol Data Units

Combine data frames into larger frames before transmission.



Enable Smart Antenna (Enabling this option will disable MU-MIMO)



Enable OFDMA (Only applicable for AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP650, AP650X, AP630, AP510C and AP510CX)



Enable BSS Coloring (Only applicable for AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP650, AP650X, AP630, AP510C and AP510CX)



Enable Target Wake Time (Only applicable for AP305C, AP305CX, AP410C, AP460C, AP460S6C, AP460S12C, AP650, AP650X, AP630, AP510C and AP510CX)

Backhaul Failover



Backhaul Failover

Backhaul failover settings determine the thresholds at which the device switches from a wired to a wireless backhaul link, and the thresholds at which the device switches back.

Switch to Wireless Backhaul Seconds after the wired link fails

Revert Back to Wired Backhaul Seconds after the wired link is established

Miscellaneous Settings

Outdoor Deployment Support radio up to meters

RF Interference Reports Collect RF Interference-related data from APs
Allow ExtremeCloud IQ to poll and collect RF Interference-related data periodically for APs.

Thresholds
ExtremeCloud IQ directs APs to adopt a shorter polling interval if the following thresholds are exceeded.

CRC Error Threshold %

Channel Interference %

Short-term Average Minutes

Client SLA Settings High Density (performance-oriented) Normal Density Low Density (coverage-oriented) [CUSTOMIZE](#)

WMM QoS Settings

Access Category	Contention Window Minimum (1-15)	Contention Window Maximum (1-15)	AIFS (1-15)	TXOP Limit (0-8192)	No ACK
Voice	<input type="text" value="2"/>	<input type="text" value="3"/>	<input type="text" value="1"/>	<input type="text" value="1504"/>	<input type="checkbox"/>
Video	<input type="text" value="3"/>	<input type="text" value="4"/>	<input type="text" value="1"/>	<input type="text" value="3008"/>	<input type="checkbox"/>
Best-effort	<input type="text" value="4"/>	<input type="text" value="6"/>	<input type="text" value="3"/>	<input type="text" value="0"/>	<input type="checkbox"/>
Background	<input type="text" value="4"/>	<input type="text" value="10"/>	<input type="text" value="7"/>	<input type="text" value="0"/>	<input type="checkbox"/>

Sensor Mode Scan Settings

Dwell Time
(250 - 30000 milliseconds)

Scan All Channels