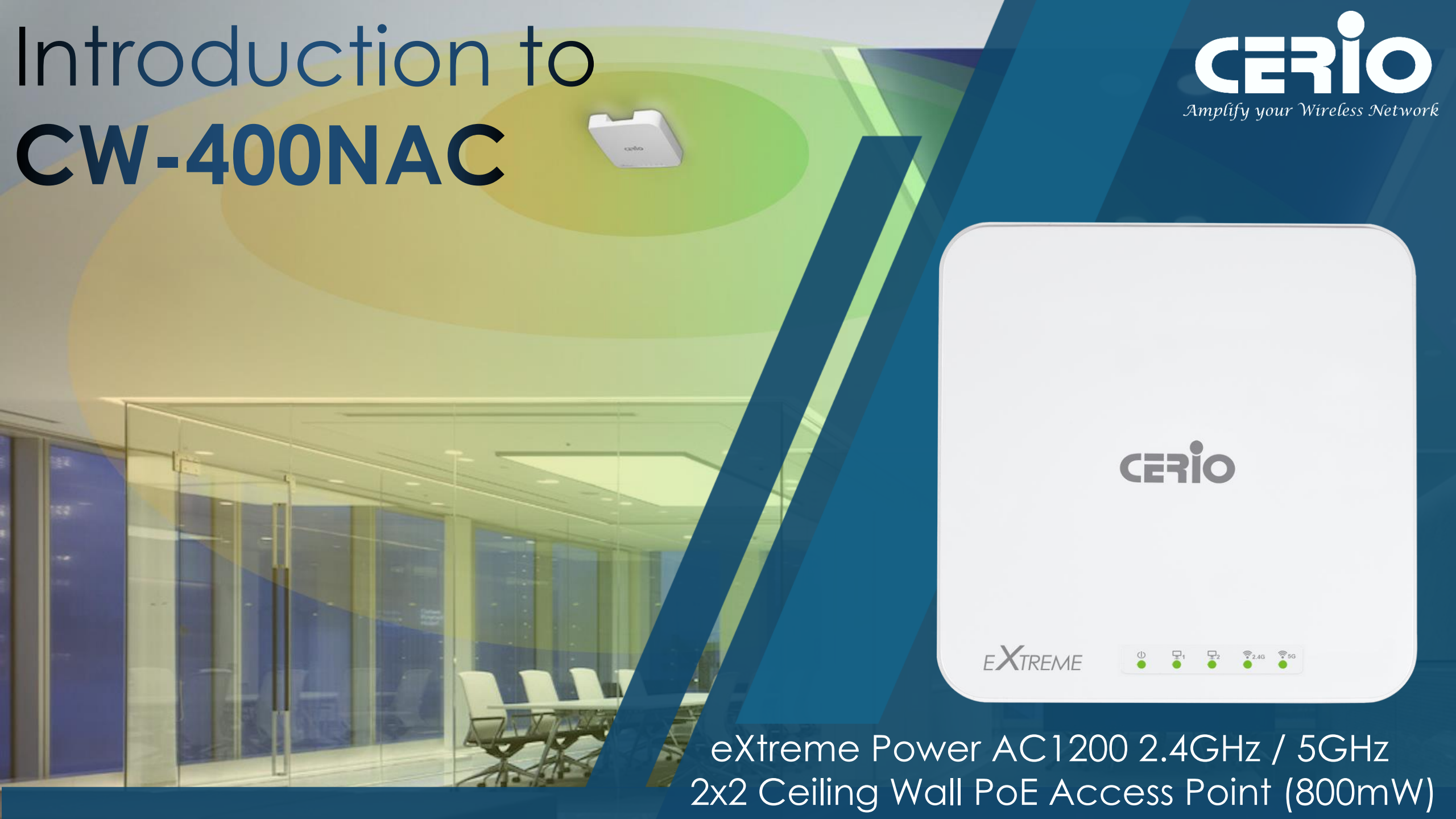
Introduction to
CW-400NAC

CERIO
Amplify your Wireless Network



eXtreme Power AC1200 2.4GHz / 5GHz
2x2 Ceiling Wall PoE Access Point (800mW)

Contents

Product Overview	3
Advanced Features	4
Hardware Overview	5
Versatile Mounting	6
Highlight Features	7
Software Overview	11
What we do	17
Contact Information	18

Product Overview

- 800mW AC1200 Dual Band Ceiling Access Point
- 2.4GHz Data Rate of up to 300Mbps (TxRx)
- 5GHz Data Rate of up to 867Mbps (TxRx) for 80MHz channel bandwidth
- Supports IEEE 802.3af/at Power over Ethernet
- 4 Built-in Smart Omni-directional Antennas (2x2 for 2.4GHz radio and 2x2 for 5GHz radio)
- Supports 3 Operation Modes (CenOS 4.0)
- Integrates a long-range power amplifier and high sensitivity receiver to deliver unmatched reliability and performance at large coverage application

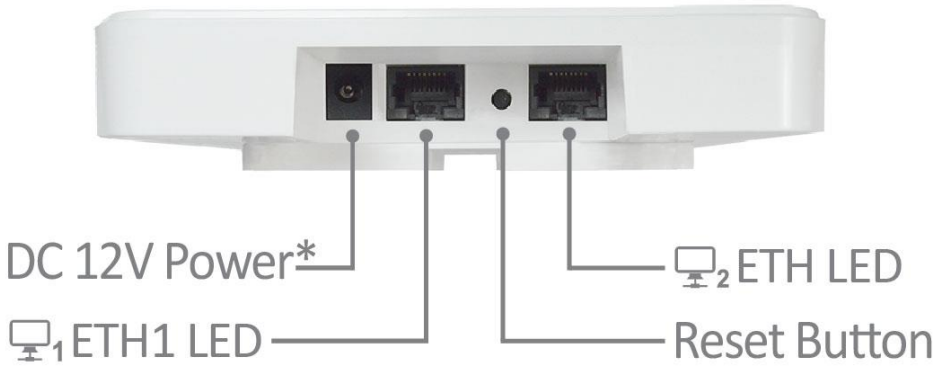
Advanced Features

- Supports up to 100 concurrent users
  - Approximately 60-65 Clients on the 5Ghz band
  - Approximately 35-40 Clients on the 2.4GHz band
- Supports 802.11ac/11n/11an/11a wireless standards
- Operation modes include: AP with WDS Mode, Client Bridge +Universal Repeater Mode, and WISP + Repeater Mode
- Supports Band Steering technology
- Incorporates 802.11r/k Fast Roaming Protocol
- Software includes LED Control
- Supports PoE Bridge function

Hardware Overview

Front Panel

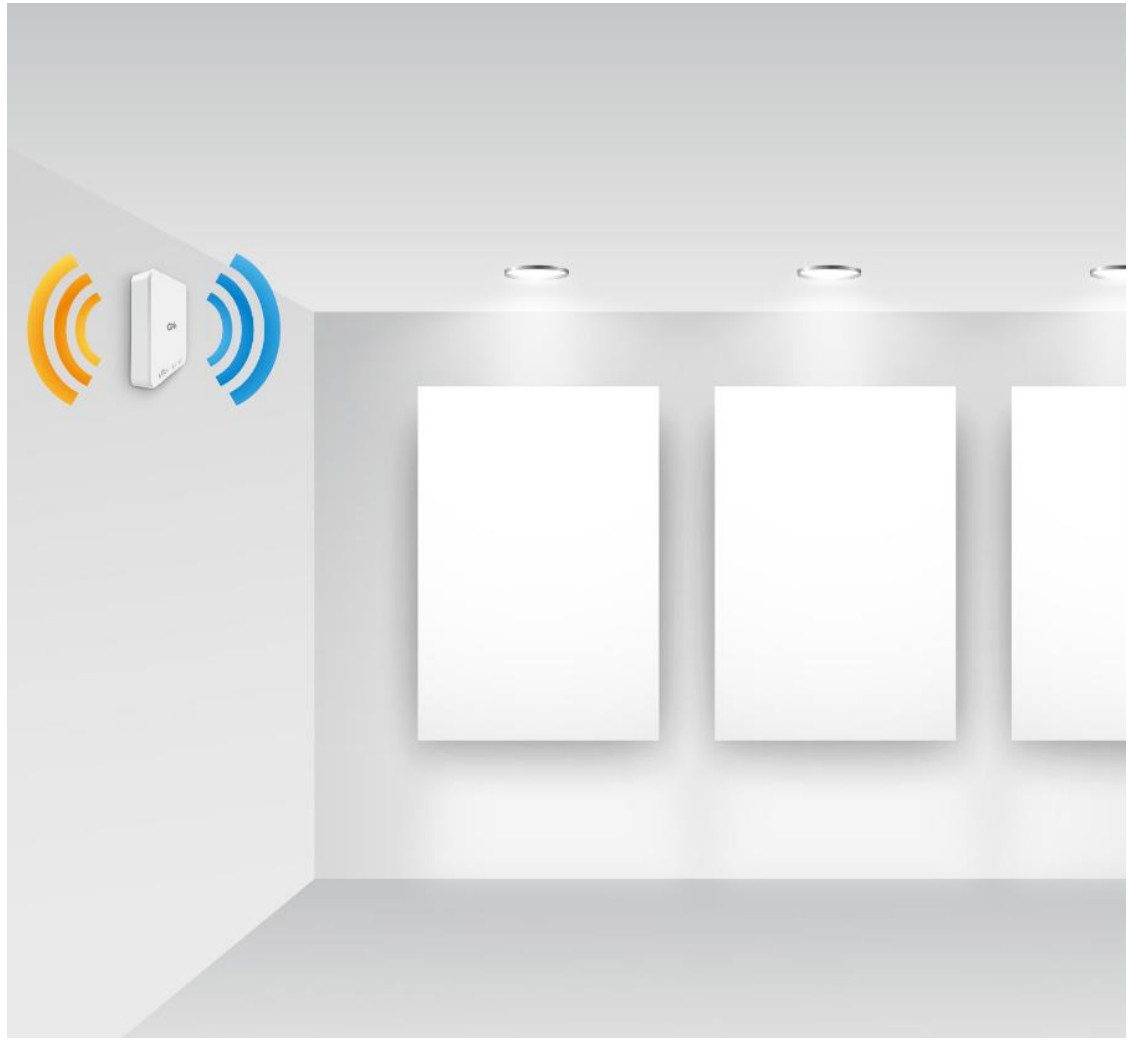
Side Panel



Versatile Mounting

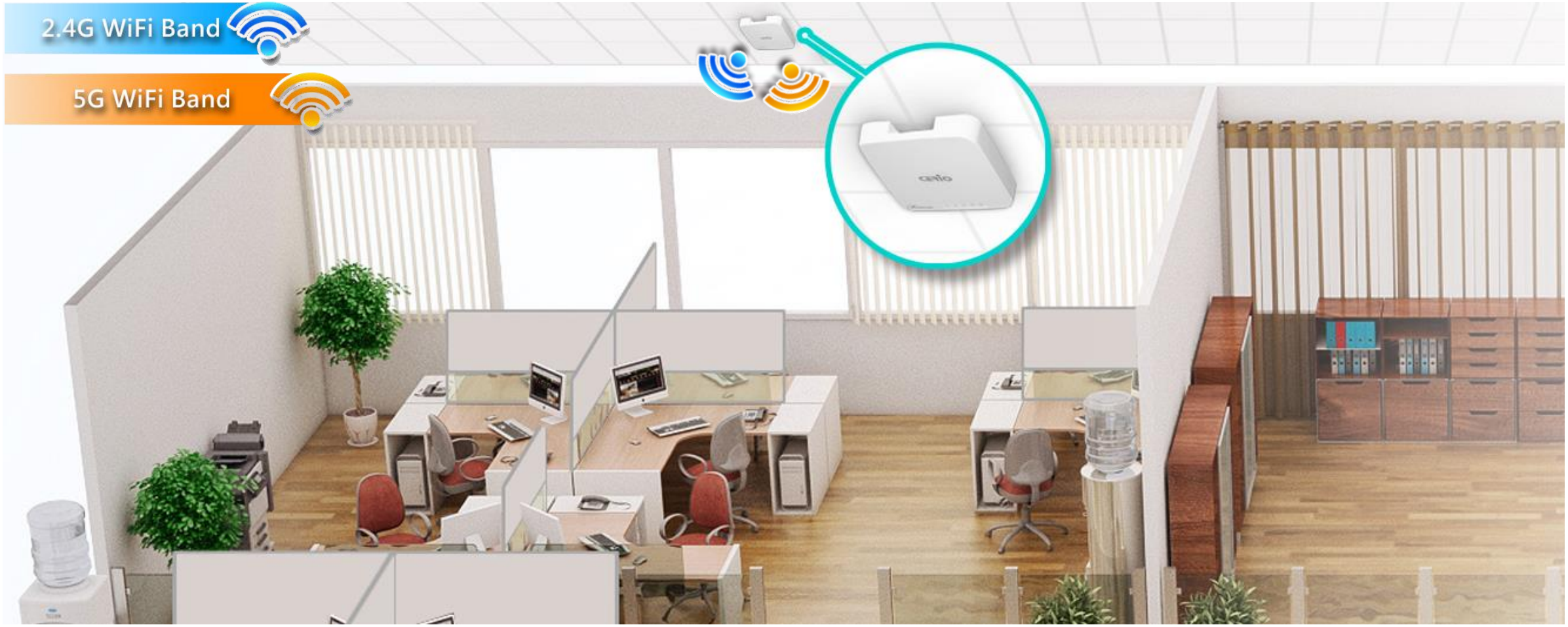
Ceiling Mount Supported

Wall Mount Supported



Interference Reduction

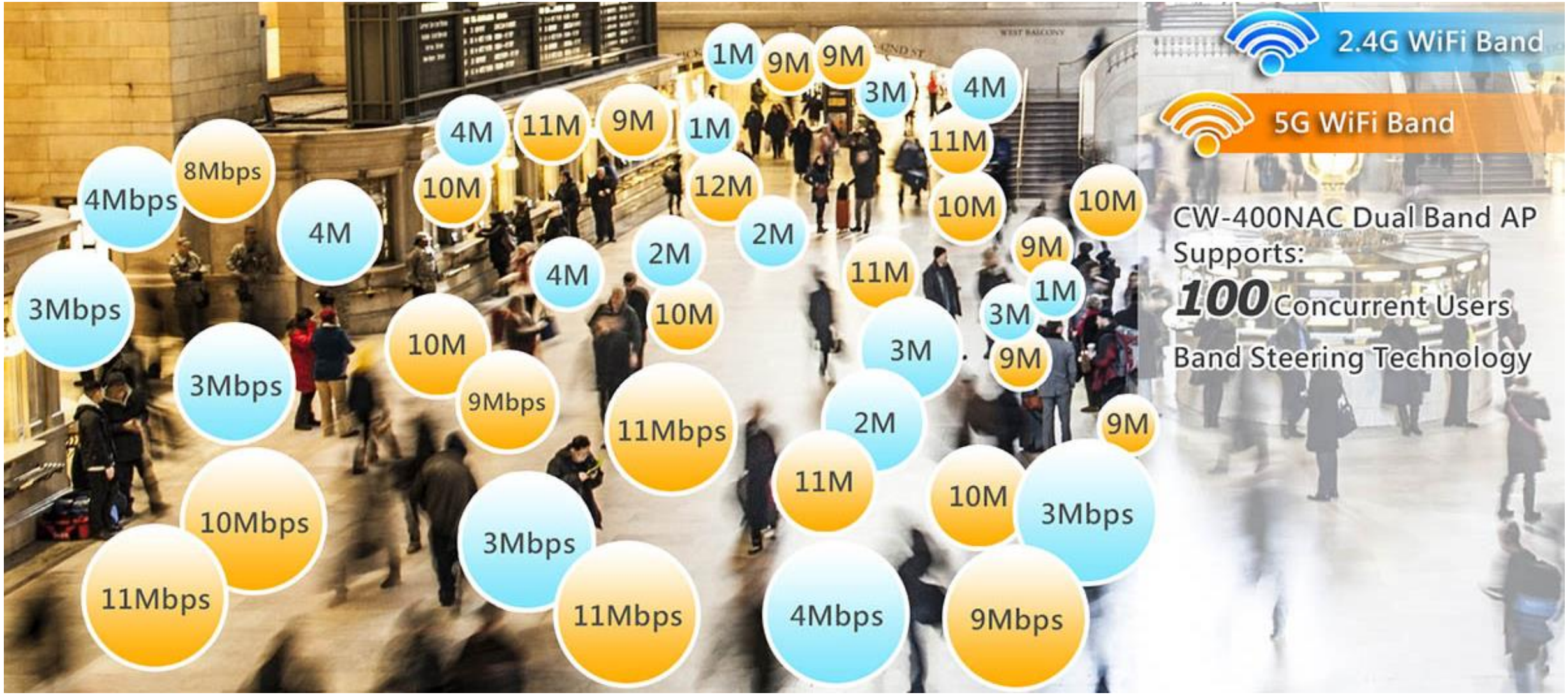
CW-400NAC's ceiling mount design **reduces line-of-sight signal interferences** and ensures deployment environments such as offices **do not have wifi dead zones**.



Seamless Integration

CW-400NAC's elegant design makes it perfect for a wide range of deployments. The device also looks similar to a smoke detector, allowing it to reduce visibility and blend into it's environment.

High Performance

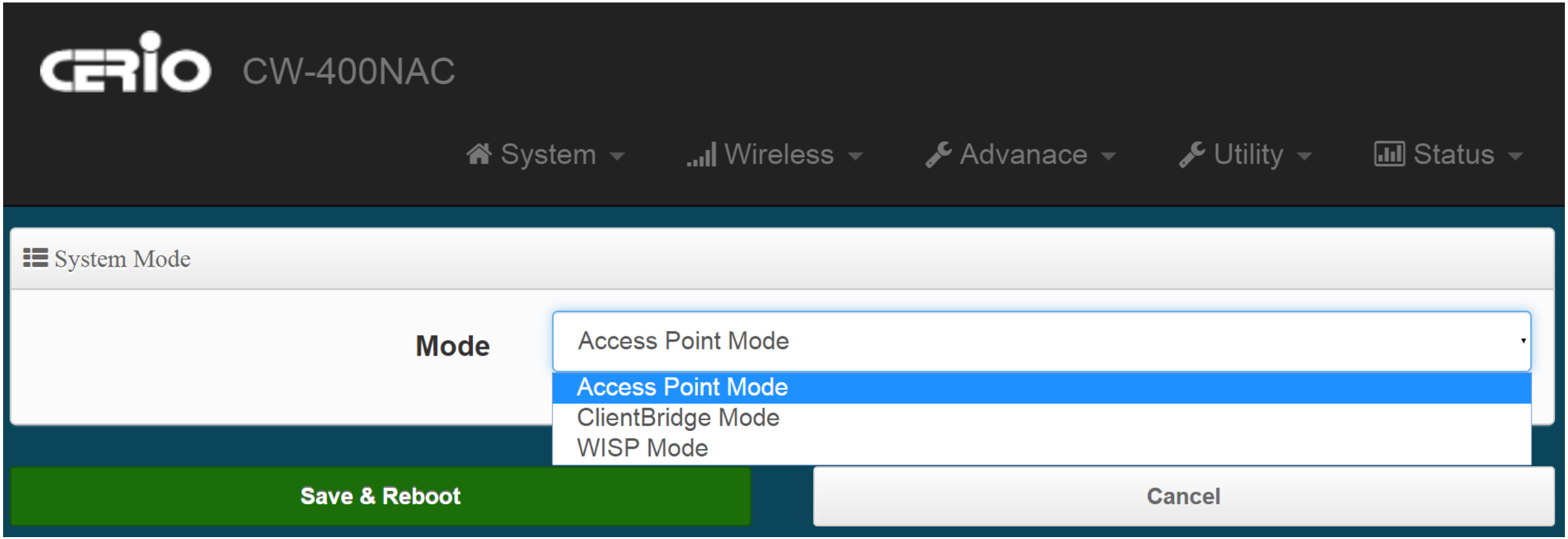


Ideal Deployment

CERIO

Operation Modes

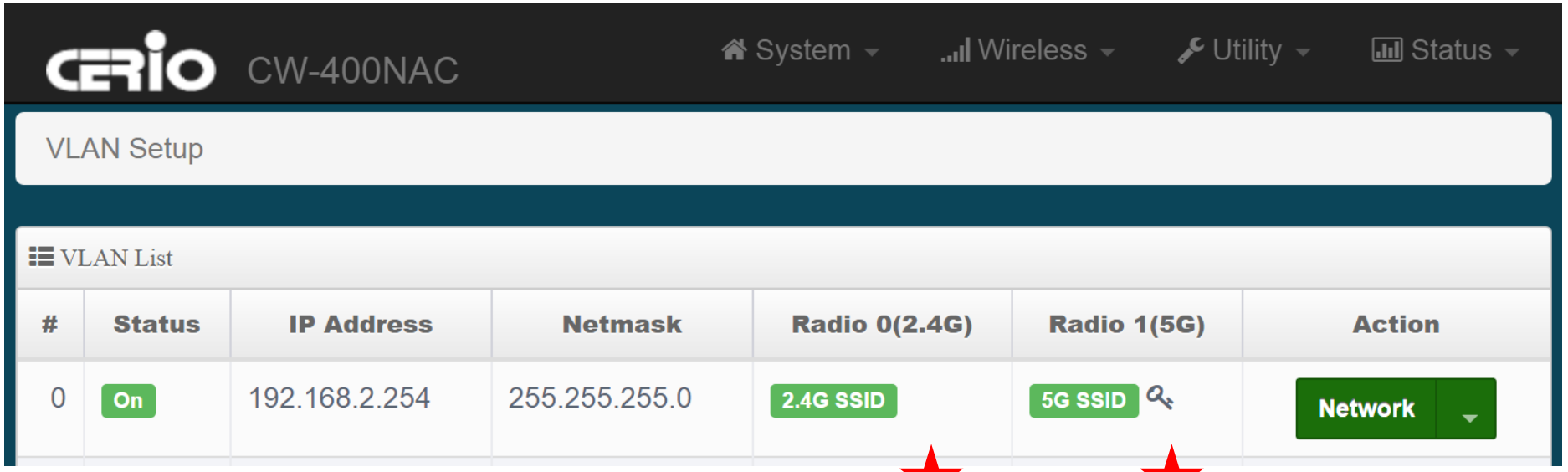
CW-400NAC supports three different Operation Modes: Access Point with WDS Mode, Client Bridge + Universal Repeater Mode, and WISP + Repeater AP Mode.



Virtual LANs & SSIDs

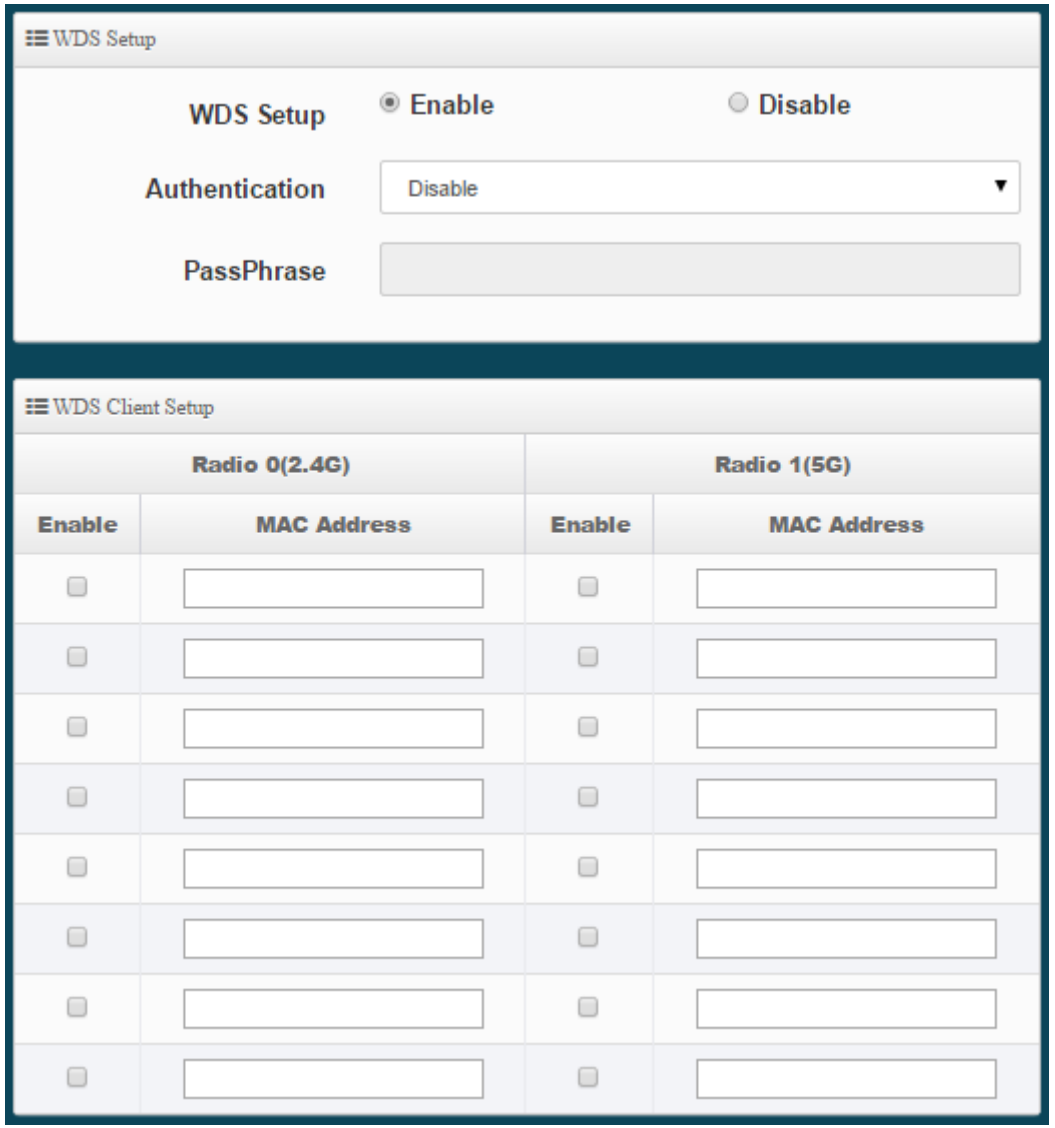
CW-400NAC's Dual Band radio design supports a total of 16 Virtual LANs (VLAN) and 32 SSIDs. Each VLAN supports two SSIDs, one on the 2.4GHz frequency band and one on the 5GHz frequency band.

Supports 16 VLANS (#0 to 15)



Each VLAN supports 2 SSIDs, one for 2.4G and one for 5G

WDS Support



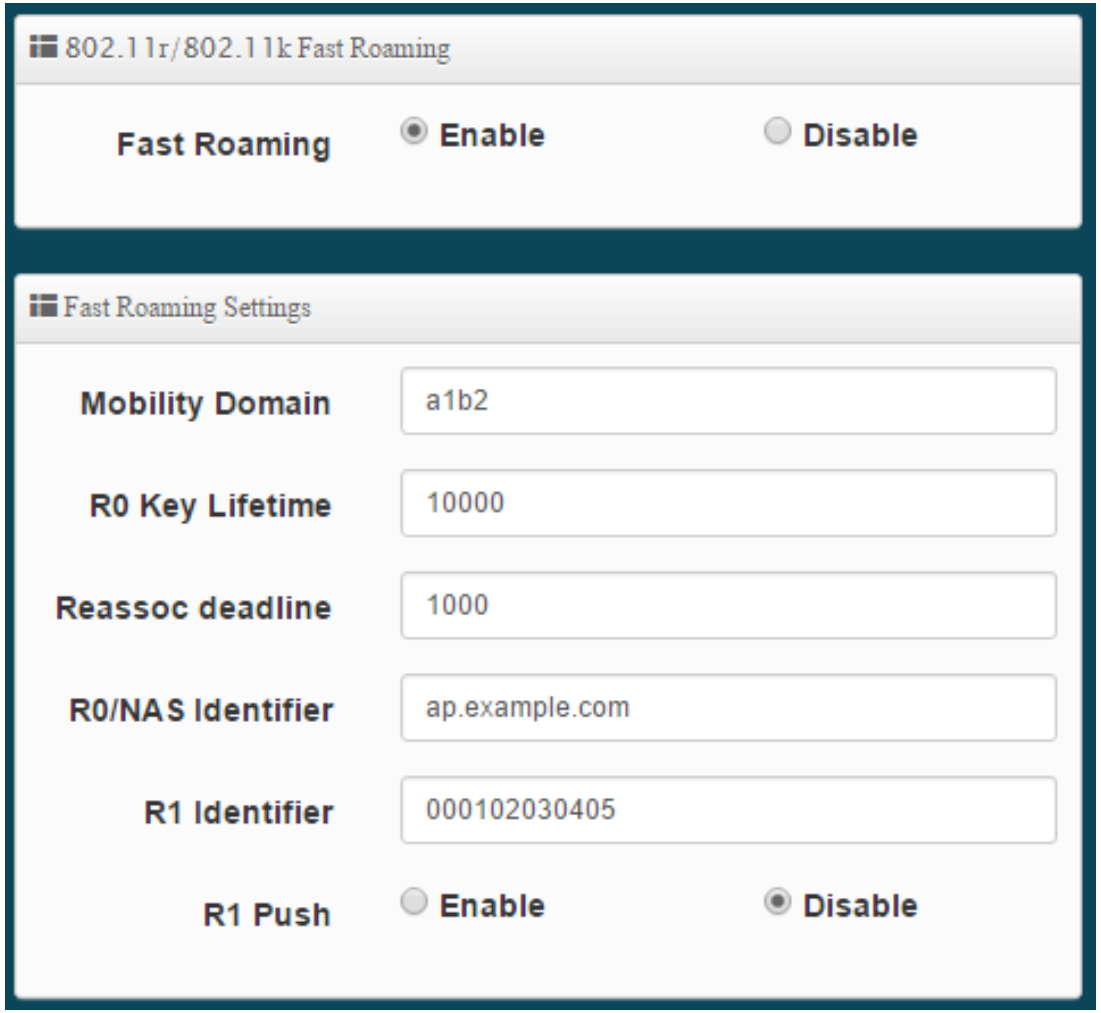
CenOS 4.0's supports **WDS Setup** when operating in **Access Point Mode**

CW-400NAC's Access Point mode supports **8** WDS links per radio for a total of **16 links** per CW-400NAC

(*8x WDS on the 2.4GHz frequency band* ***)***

(*8x WDS on the 5GHz frequency band* ***)***

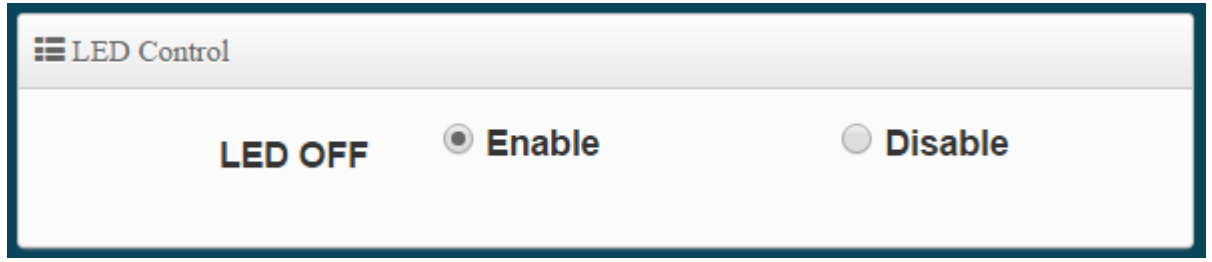
Fast Roaming



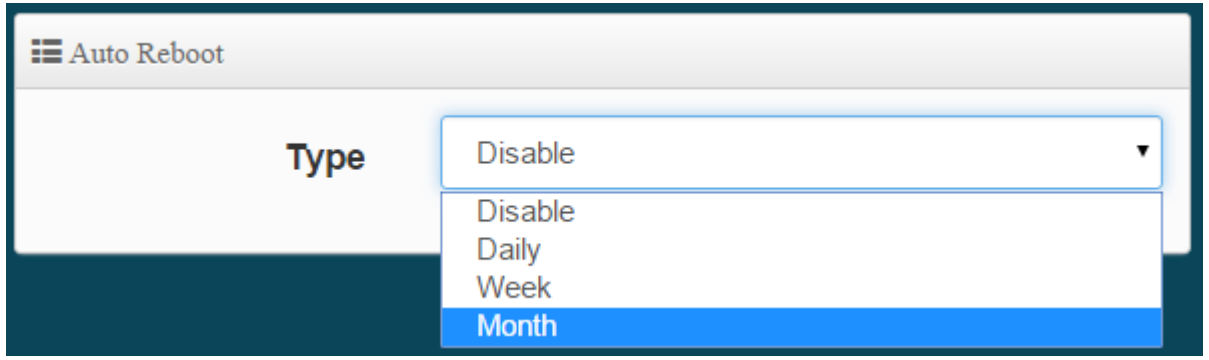
802.11k- Smartly provides roaming client with information regarding nearby APs and their channels, which prepares the client for easier roaming.

802.11r- Stores encryption keys on all the APs within the network. This simplifies the authentication process when clients roam to new APs, greatly reducing CPU loading and latency.

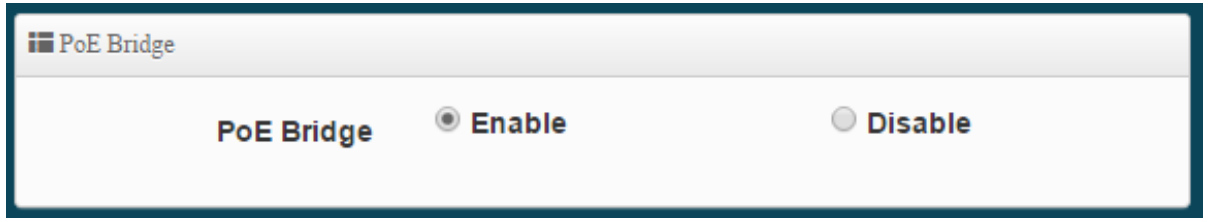
Additional Features



LED Control- Allows the devices LED lights to be disabled to reduce blinking irritation in sensitive environments.

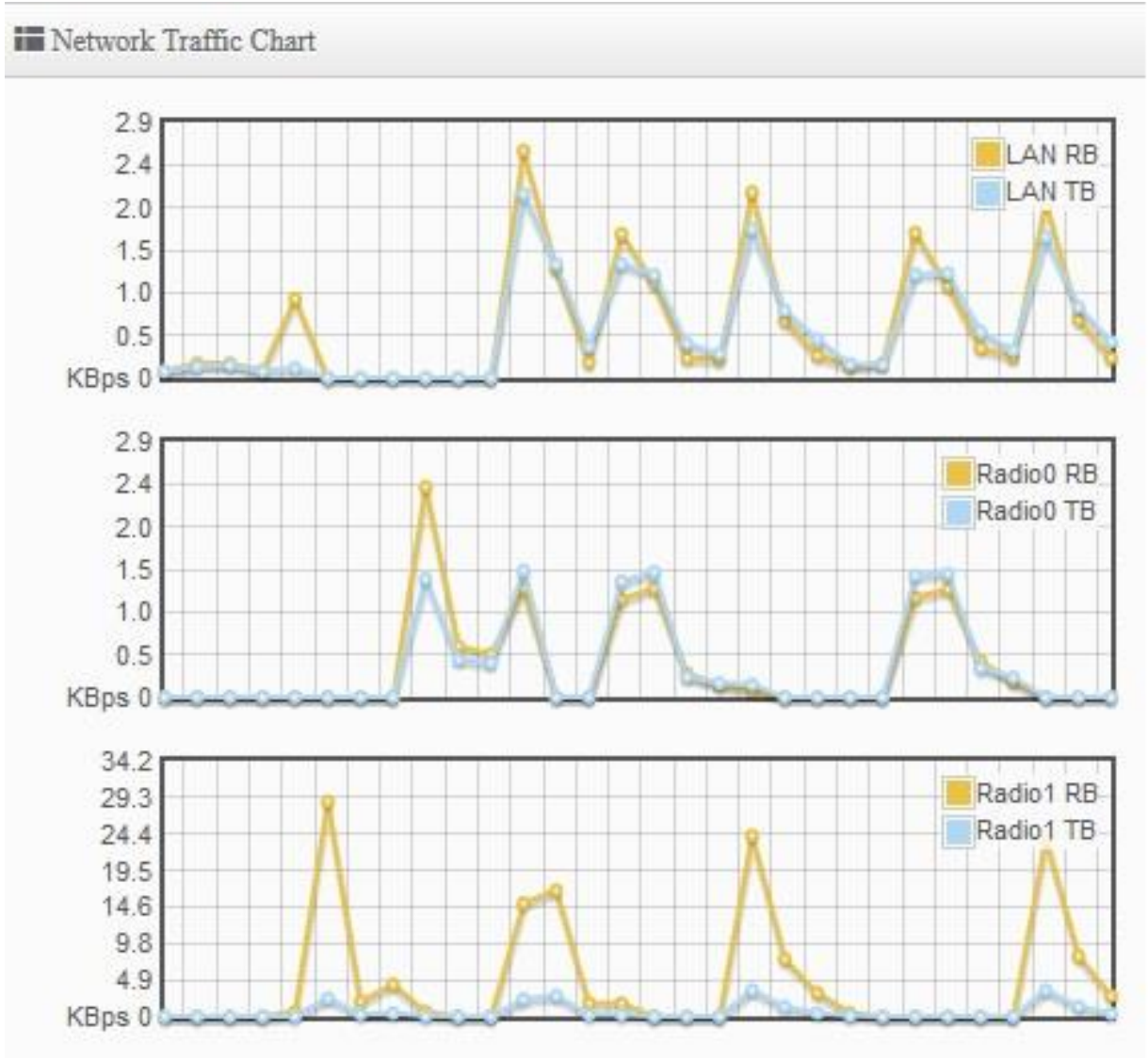


Auto Reboot- Setup device auto reboot schedule to reduce CPU overloading and device crashes.



PoE Bridge- Supply power to subsequent devices such as IP Cameras and Access Points through RJ45 cabling.

Traffic Monitoring



CenOS 4.0 provides a Traffic Monitor and Graphical User Interface for Network and Radio Overview

This allows administrators to monitor network statuses and ensure operations are all functioning correctly.

What we do

Innovation & Design

Our R&D team continues to incorporate the newest wireless protocols and features to make our products perfect for enterprise deployment.

Wireless Solutions

Our Field Application Engineers and Specialists have unparalleled experience providing the perfect solution for any wireless projects (e.g. Hotels, Long Distance PTP Backhaul, Universities)

Software Development & Design

Our software provides a high featured and easily operated User Interface and also supports centralized AP Management for convenient device deployment.

Outstanding Customer Service

CERIO's customer service staff are experts on our products and possess clear and patient communication skills.

Contact Information

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