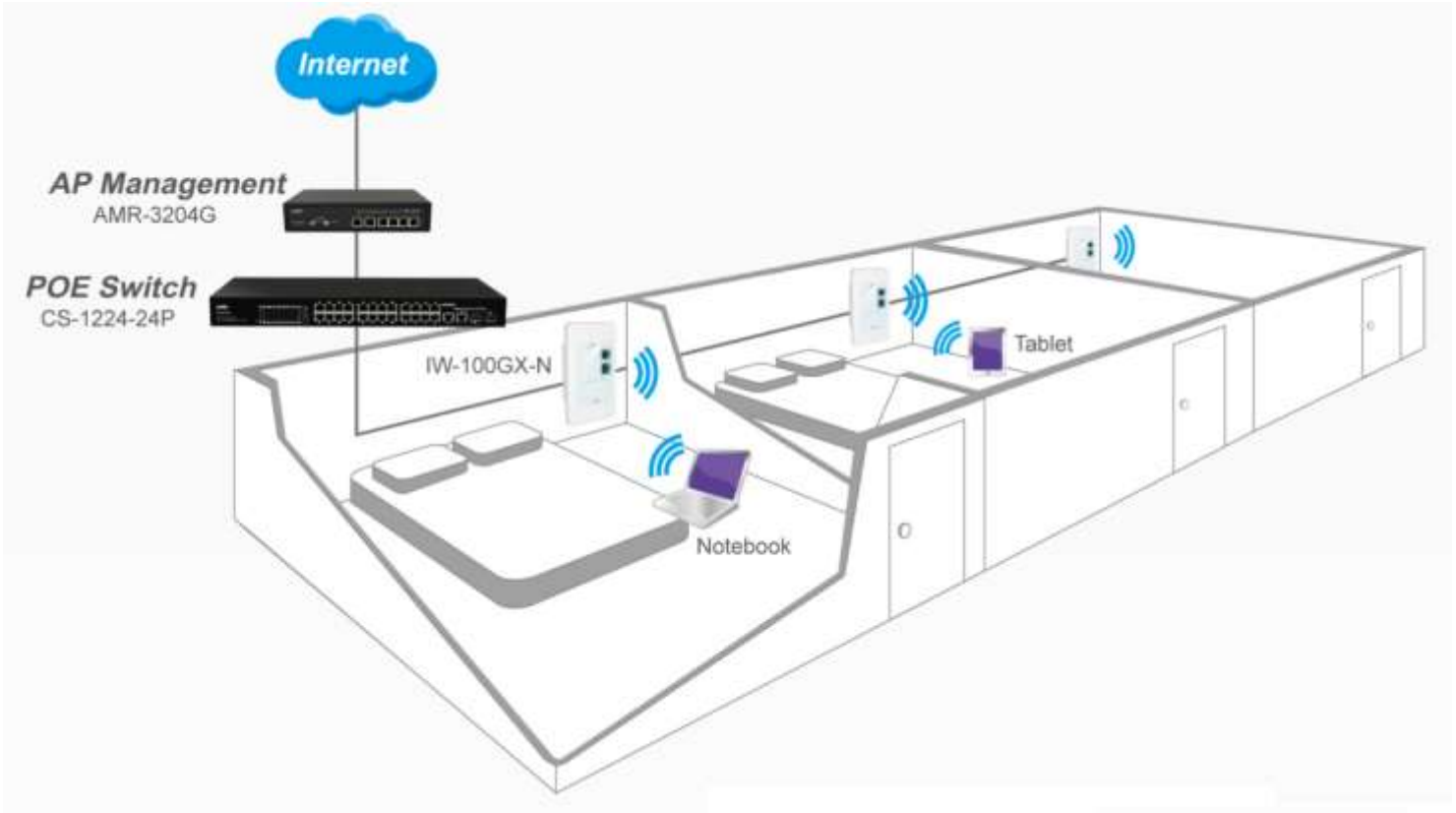
IW-100GX-N

eXtreme Power 11n 2.4Ghz 1x1
In-Wall PoE Access Point (800mW)

With CenOS 3.0 Software

Hotel Room WiFi Solution

2.4 GHz Type

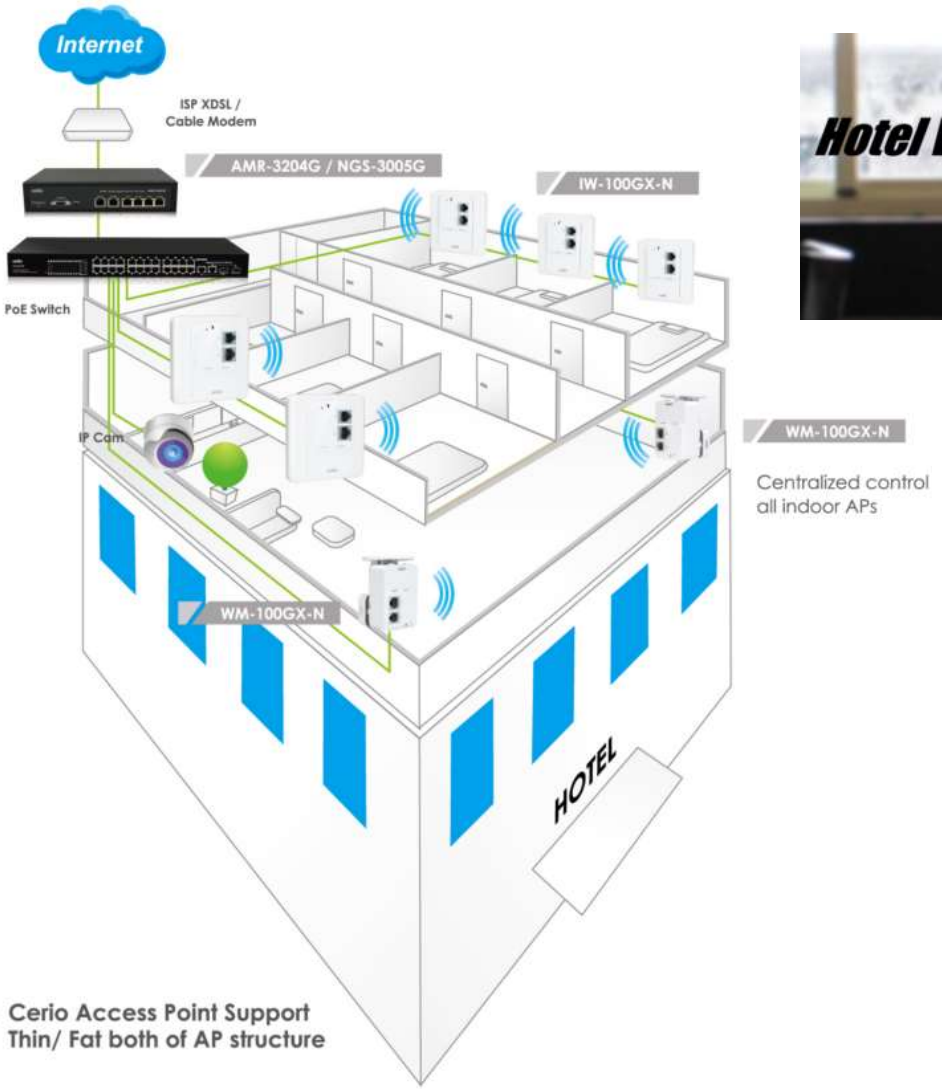


	IW-100GX-N
Operation Modes	Router AP with WDS/AP with WDS/WDS/Client Bridge + Universal Repeater/WISP/CPE Repeater+AP Mode
Output Power	800mW
Wi-Fi Standards	IEEE 802.11n b/g
Multiple-ESSID	x8
Tag VLAN	Supports 1 VLAN Tag per SSID
IAAP Roaming	✓
Antenna	1x1 Built-in Omnidirectional Antenna
Management	Managable by CenOS 3.0 and CWMS
Ethernet Configuration	RJ-45 Ethernet Port x 2
Telephone Configuration	RJ-11 Line-In x 1 RJ-11 Line-Out x1
Input Power Requirement	803.3af 48V PoE Ethernet Interface Power In
Power Supply	PoE Device (Optional Purchase)
Form Factor	In Wall Installation: US Type and EU Type Faceplate Supports Desktop Stand & Wall/Ceiling Mounting

Hotel Wireless Total Solution

Hotel Room WiFi Solution

2.4 GHz Type



Centralized control
all indoor APs

- Cerio Access Point Support
  Thin/ Fat both of AP structure

EXTREME POWER

CWMS AP Management Support

Cerio Wireless Management Software (CWMS)

Centralized APs management software– PC Base

Control AP Group Management

Support up to 500 Access Point / Windows base

CWMS only supports Cerio's CenOS 3.0 core

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Product Hardware Overview

2.4 GHz Type

- IW-100GX-N (Built–in 2.4 GHz) 1x1 Smart Omni-directional antennas
- Two 10/100 Fast Ethernet Ports
- The Ethernet port supports Link-On and Cable Length Power Saving and Link-Down Power Saving when PoE is not available
- 400Mhz high level base CPU
- AP Point to Multi-Point Application Support

Highlight Features

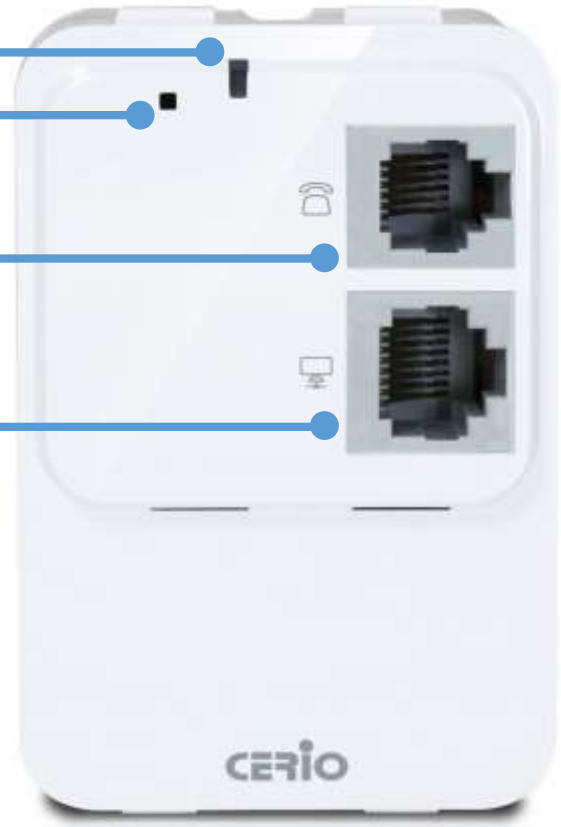
800mW eXtreme High Power Wireless Capability

- Enables connection to Wireless In Networks for service provider deploying last mile services
- Powerful wireless 11n speed of up to 150Mbps
- 1x1 Built-in 2.4 GHz Smart Omni-directional antennas
- Allows for easy structuring of devices through 802.3af PoE power /data capabilities supplied through CAT5 Ethernet cabling
- LED on / off control by UI setting

Product Diagram

2.4 GHz Type

Front Panel



Power / WLAN Light

Reset Button

PHONE Line OUT Port

ETH2 (LAN)
Ethernet Port

Rear Panel

ETH1 Port (PoE)
In Router Mode : WAN Function
In AP Mode : LAN Function

PHONE Line IN Port

Install Sample

Main In-Wall Unit with US-Type Faceplate

For U.S.A & Japan Specifications

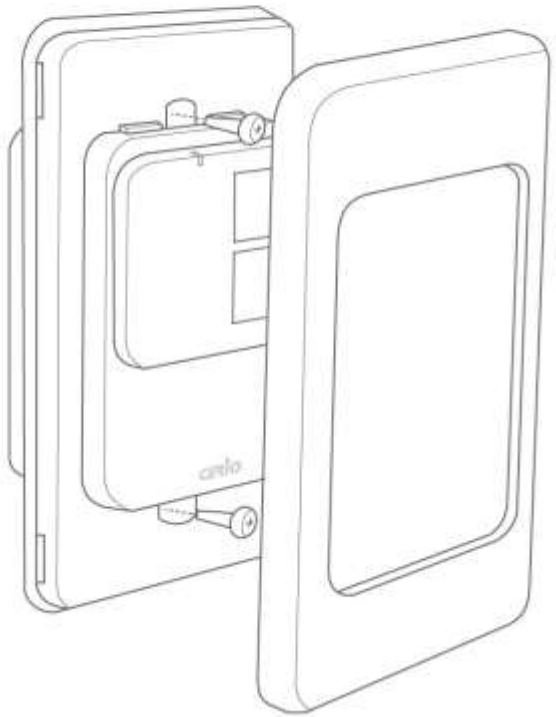
Main In-Wall Unit with EU-Type Faceplate

For Europe & China Specifications

Faceplate Types

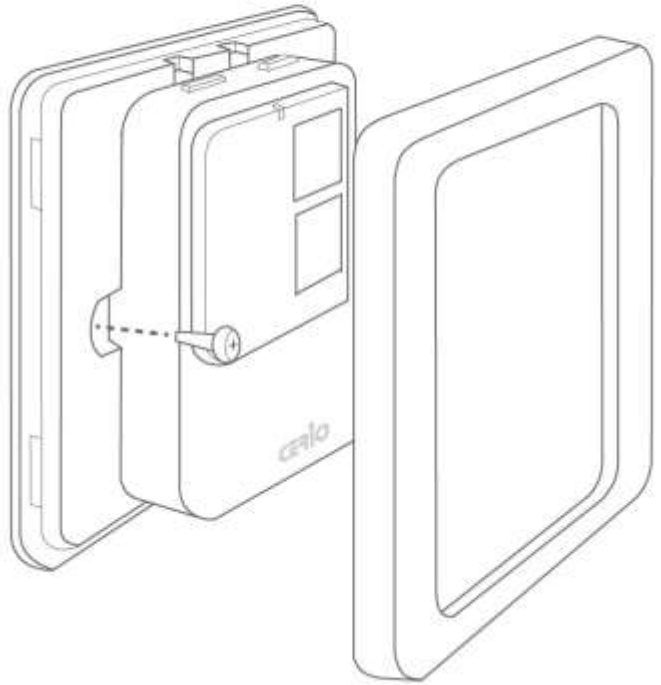
Main Unit with US-Type Faceplate

For U.S.A. / Japan Specification



Main Unit with EU-Type Faceplate

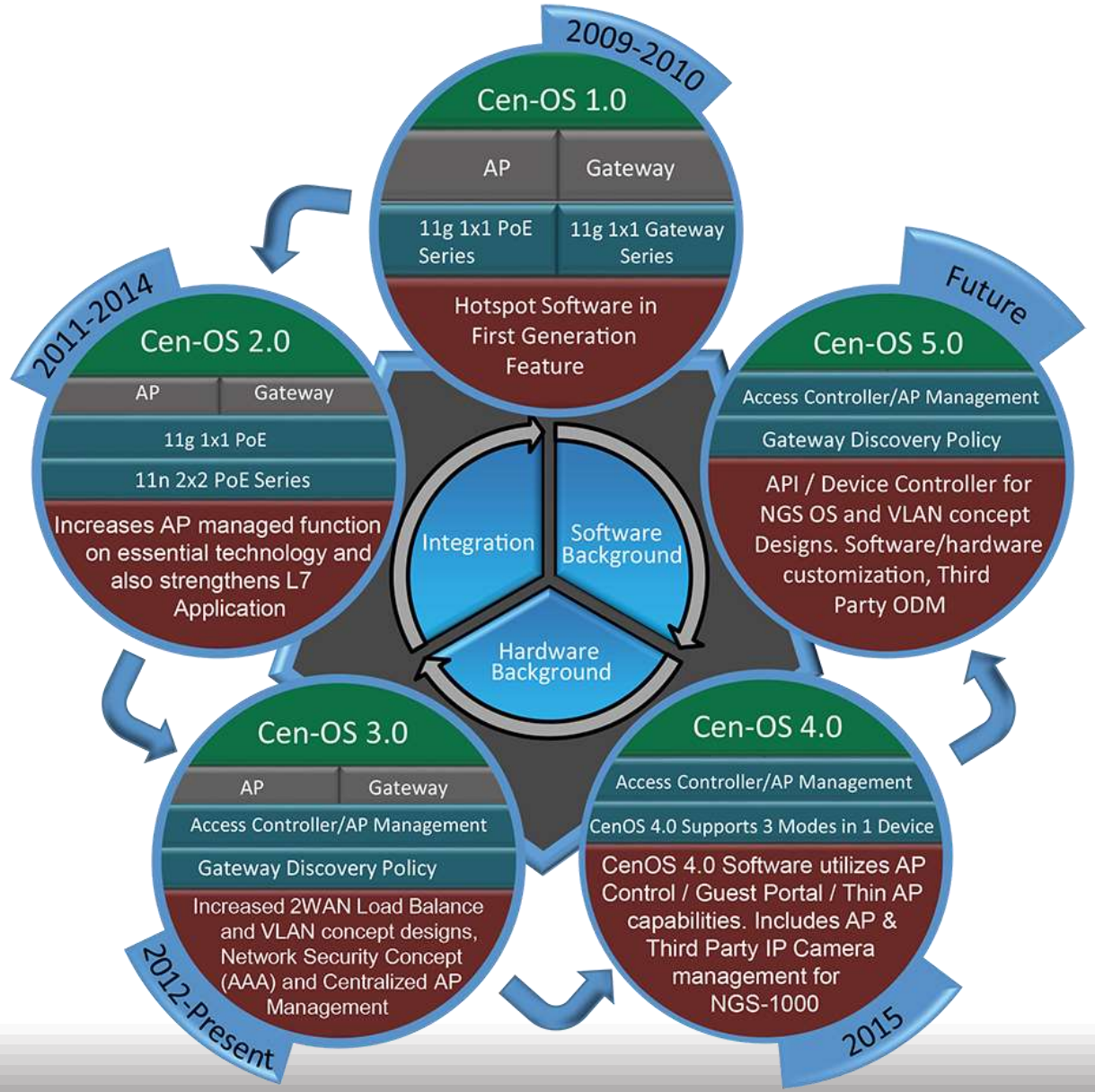
For Europe / China Specification



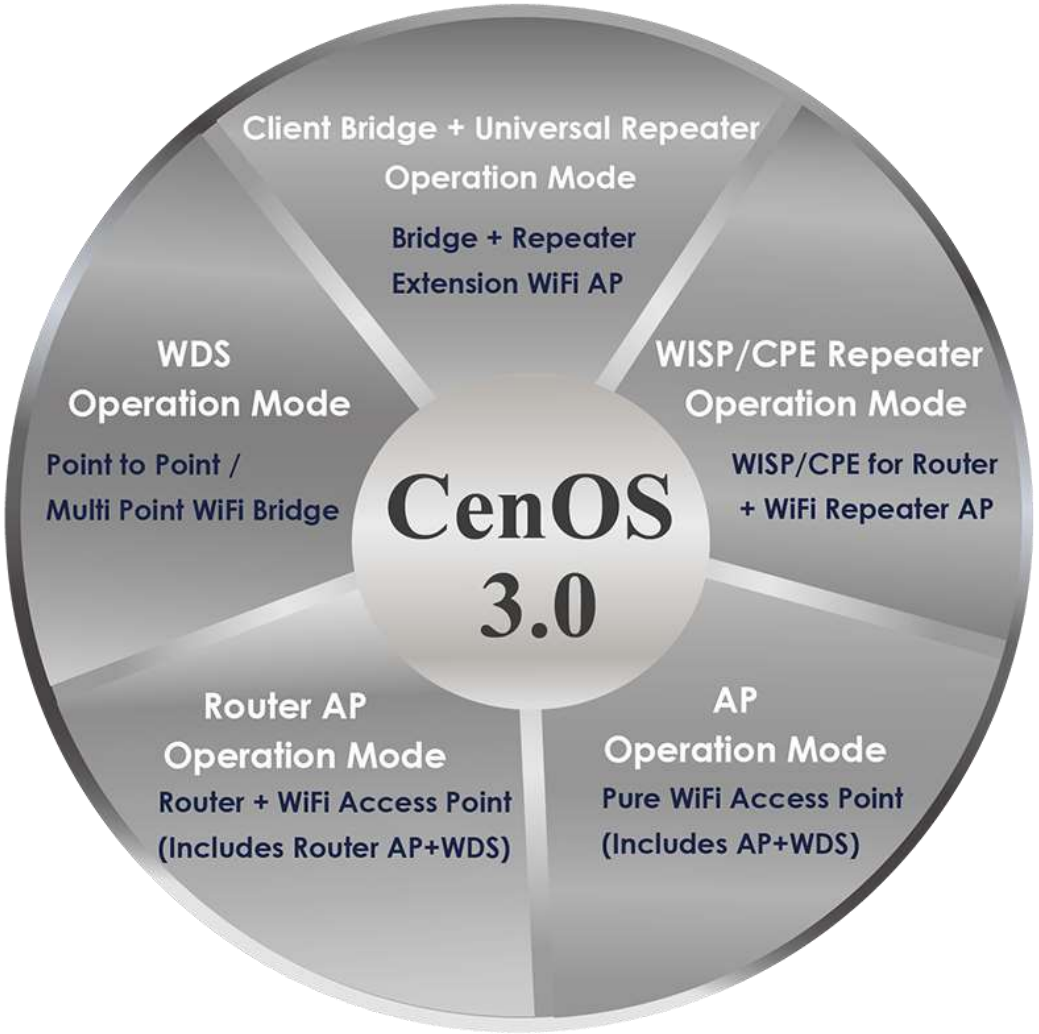
Cerio IW-100GX-N Bundles CenOS 3.0 Software Overview

CenOS Version Diagram

2.4 GHz Type



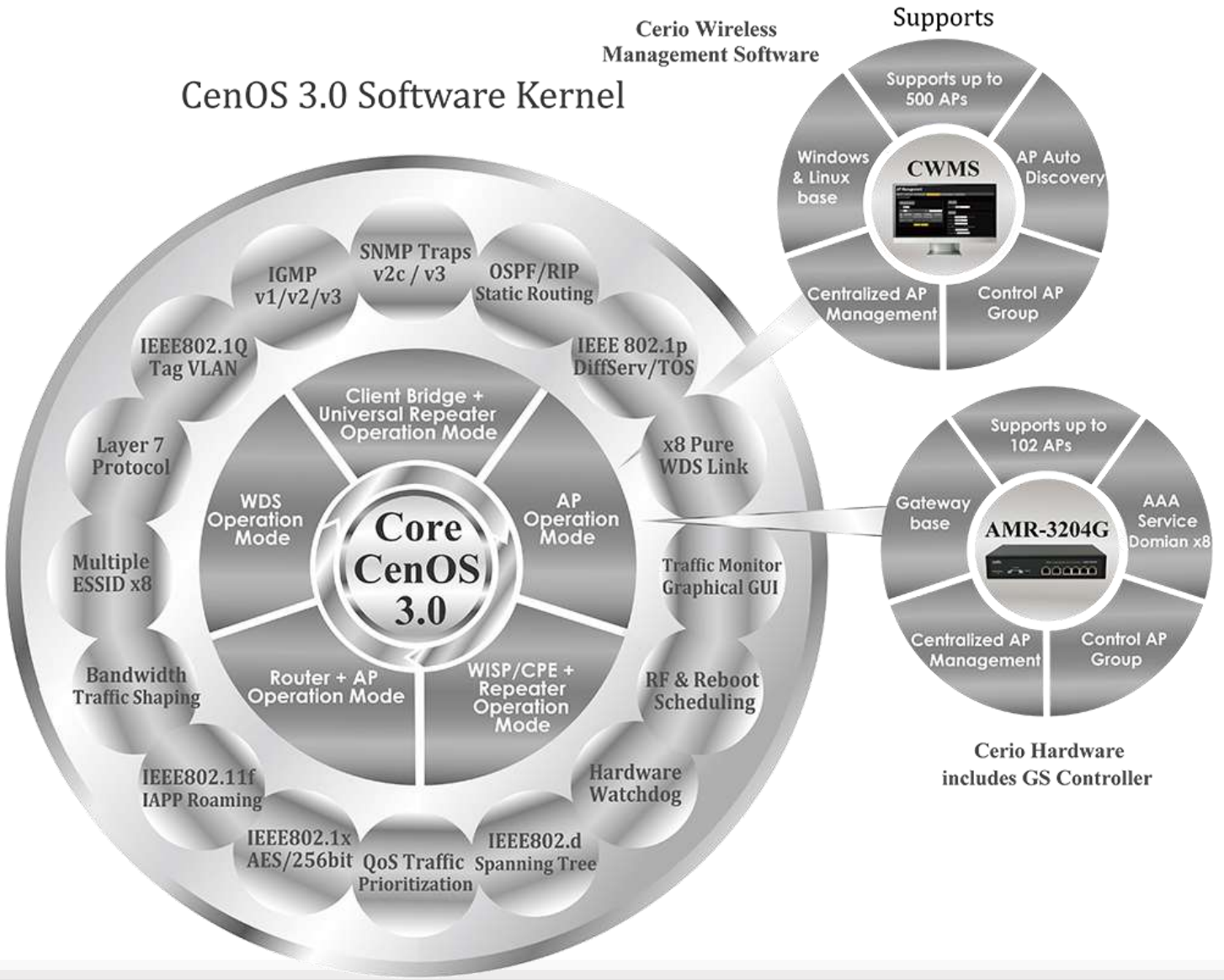
CenOS Version Diagram



Only Cerio's special model supports Router AP mode

CenOS Version Diagram

2.4 GHz Type



Advanced Support

8 Multiple-ESSID Support

- Allows for network segmentation by administrators

Integration

- Utilizes IGMP v1/v2/v3 Snooping Function
- Includes Web Support management
- Integrated SNMP (Simple Network Management Protocol) MIB-II
- Supports Hardware chipset base Watch Time Dog Function

Quality of Service (QoS)

- For bandwidth management and Traffic Prioritization

Bundles Software Interface

- Bundles Cerio CenOS3.0 allows administrators to easily configure, monitor, and update IW-100GX-N settings and functions.

Competitive Points of Emphasis

Watch Time Dog Function

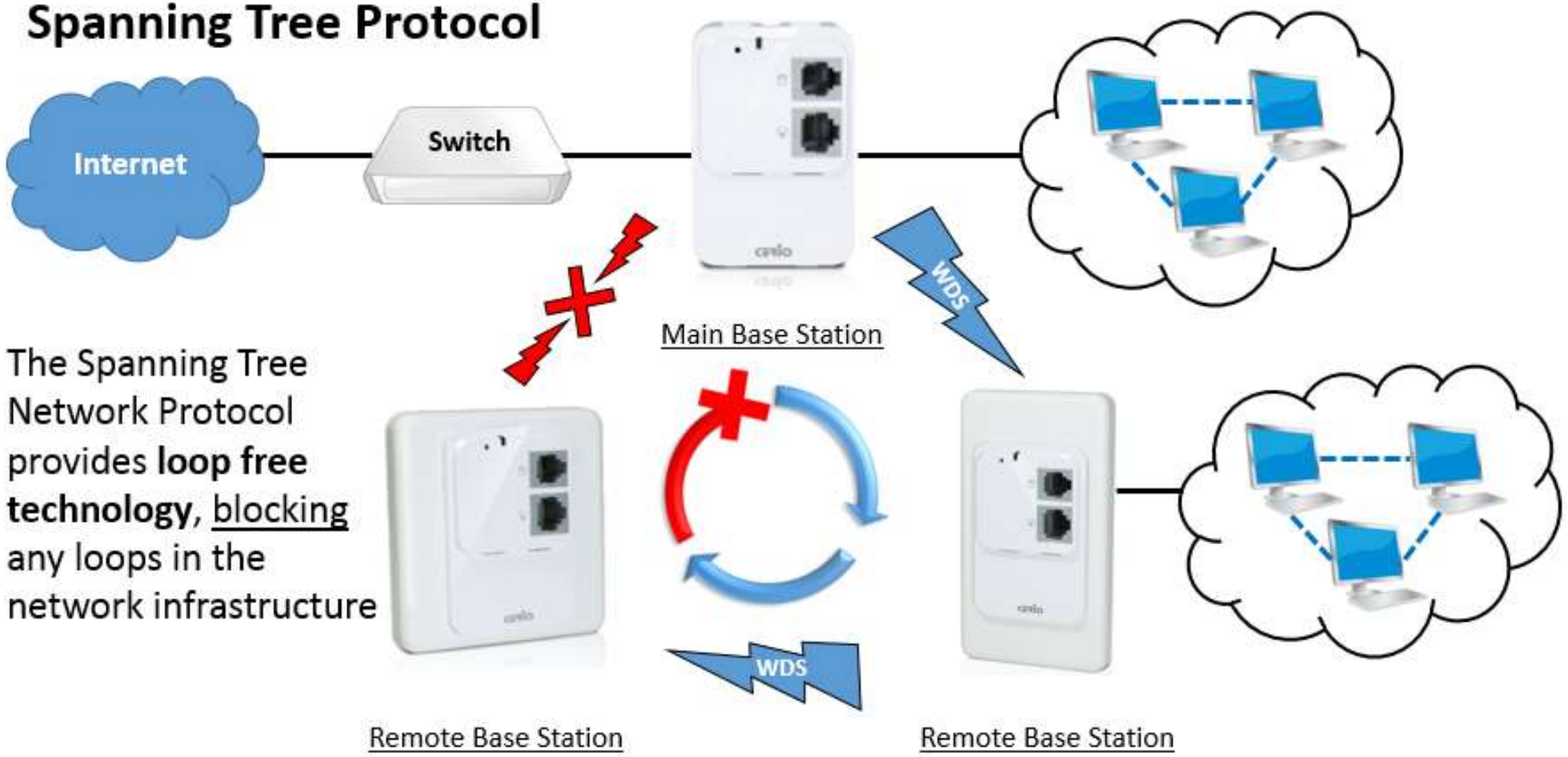
The Cerio IW-100GX-N is equipped with Watch Time Dog capabilities that allows for increased system stability. The Watch Time Dog function smartly reboots network systems after a set time period where the system is unresponsive. This allows for network reliability and minimizes the need for on-site IT staff maintenance.

Advanced Business Features

8 SSIDs allows for more complex network configuration, allowing businesses to separate and organize their network into 8 virtual networks. SNMP V3 standards provides more secure network access to devices, allowing for greater network safety.

Spanning Tree Protocol

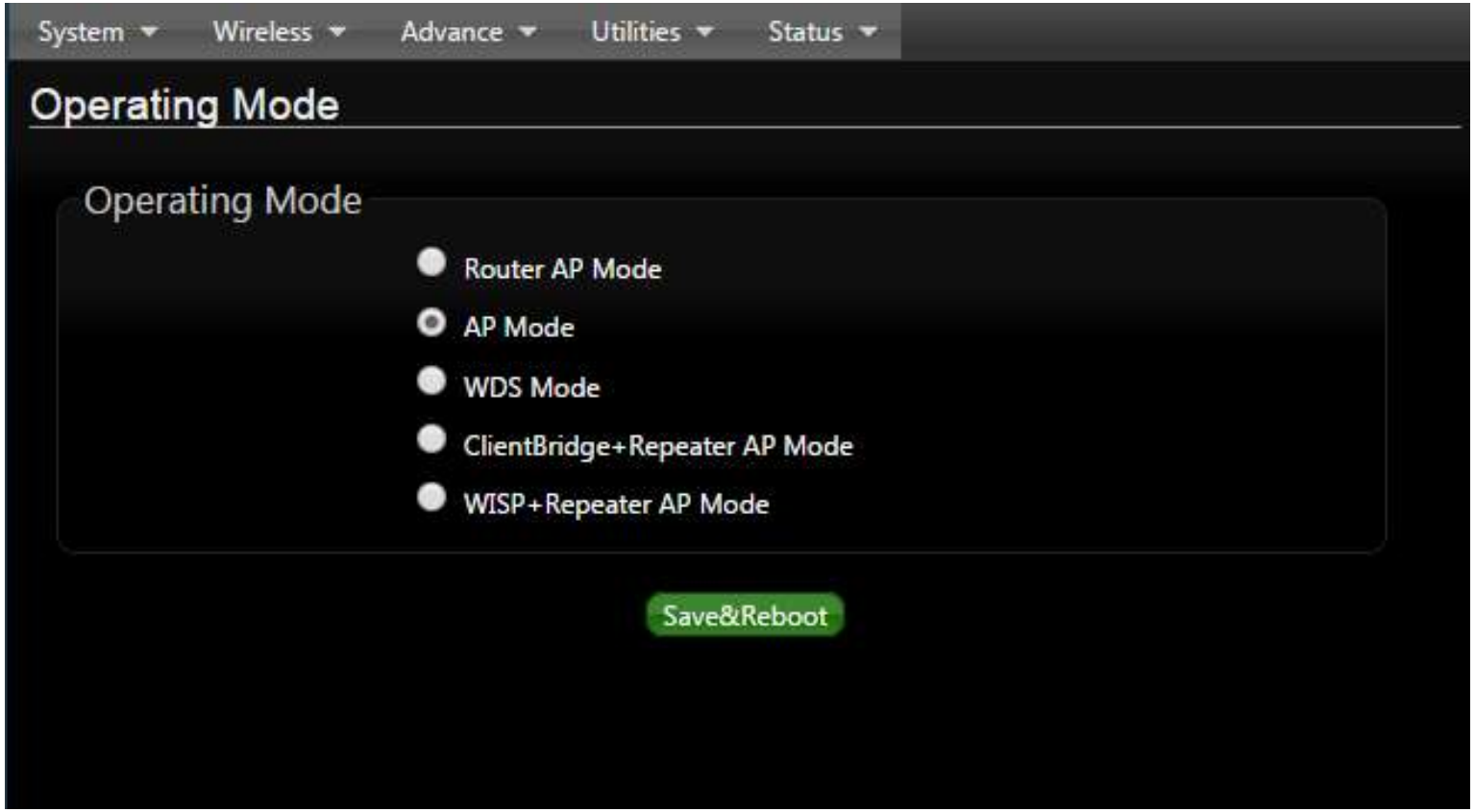
IW-100GX-N
Spanning Tree Protocol



The Spanning Tree Network Protocol provides **loop free technology**, blocking any loops in the network infrastructure

Operation Mode Support

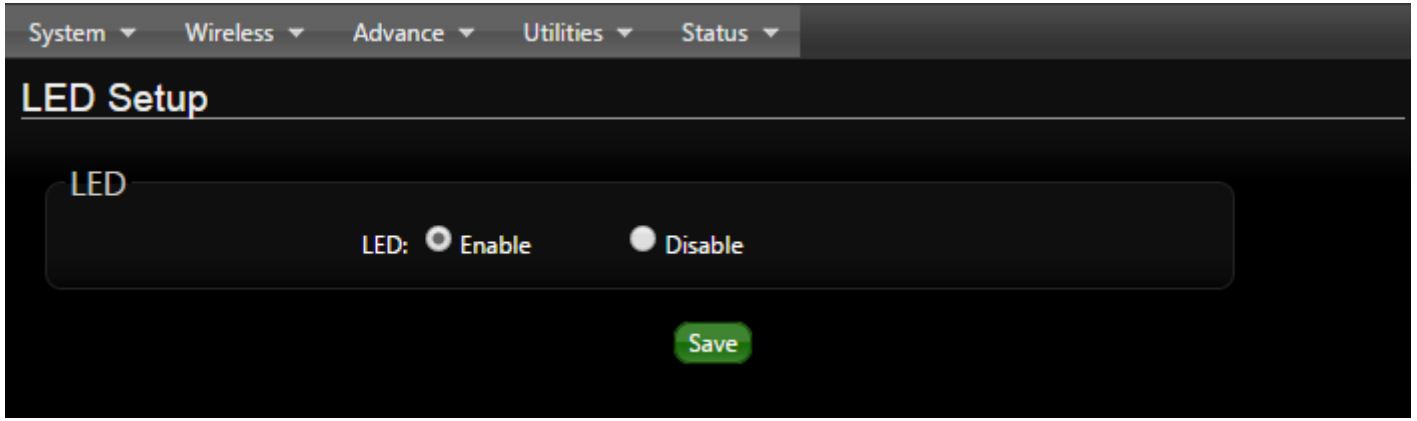
5 Operation Modes : Router AP with WDS mode / Pure AP with WDS Mode / Pure WDS mode / Client Bridge + Universal Repeater Mode and WISP / CPE Repeater +AP mode



In Hotel / House / Room best function

Control Hardware LED Light On/Off Settings.

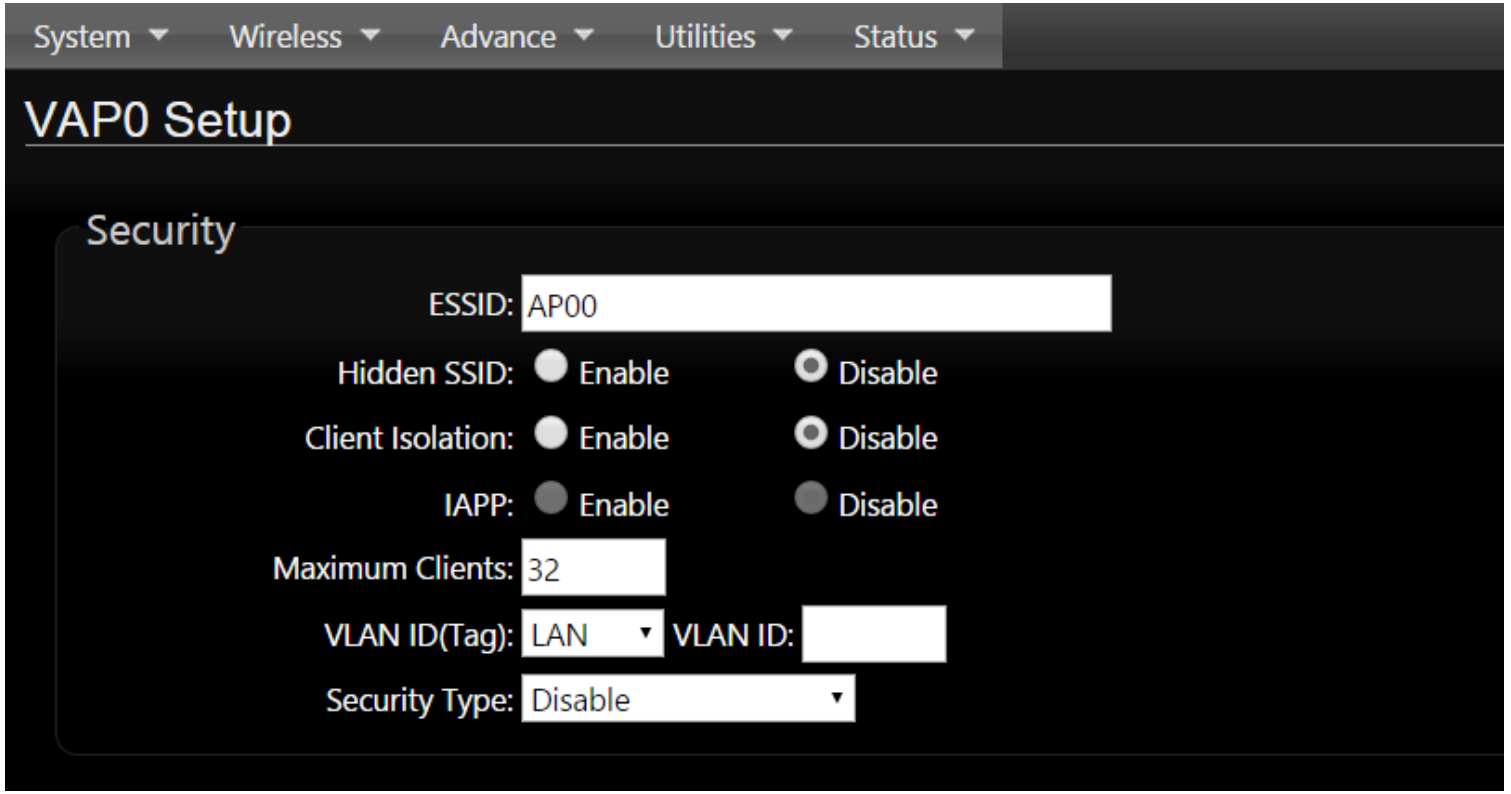
Mainly for hotel purposes, LED Control can remove blinking LED lights for tenant comfort.



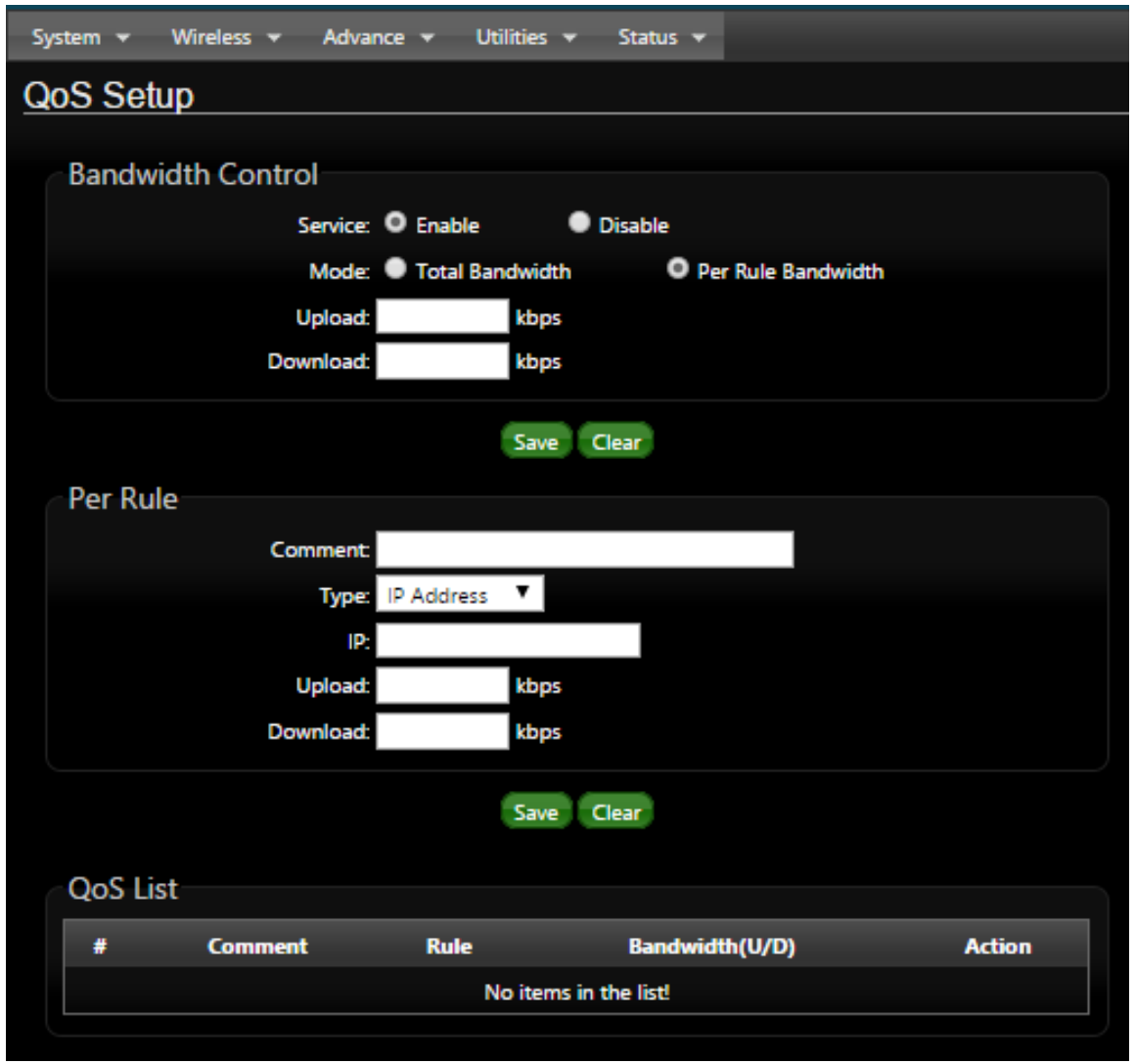
Virtual Access Point Setup

2.4 GHz Type

Create and manage up to **8 ESSIDs** to segment you network. This allows administrators to **separate traffic** within VLANs, allowing for more organized network construction.



Quality of Service (QoS)

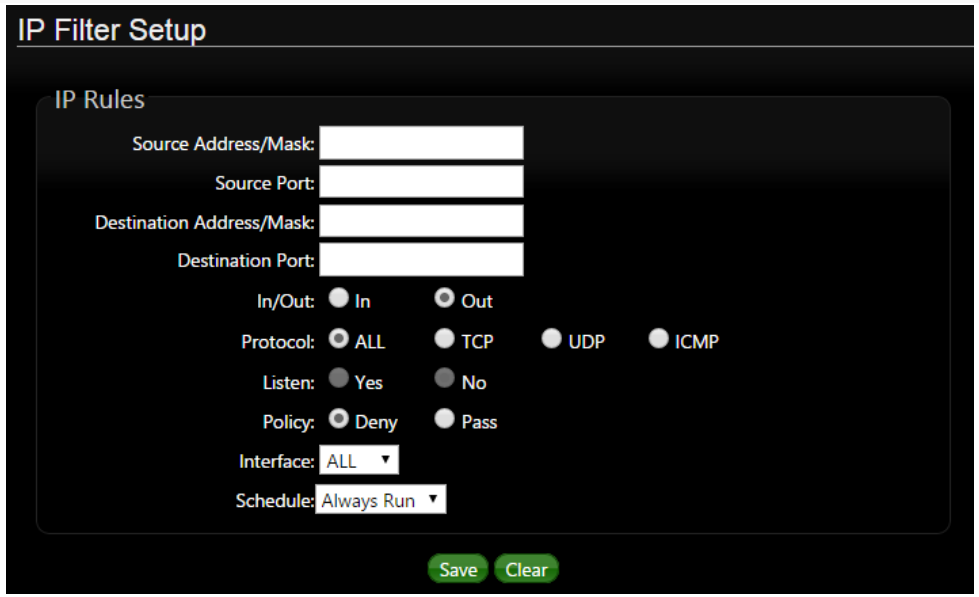


Allows for bandwidth control which permits Administrators to allocate bandwidth to parties as they see fit

Also allows for Rule setting customization, where admins can enact QoS Rules to specific individual IP Addresses, Segments, MAC addressed, and even Ports.

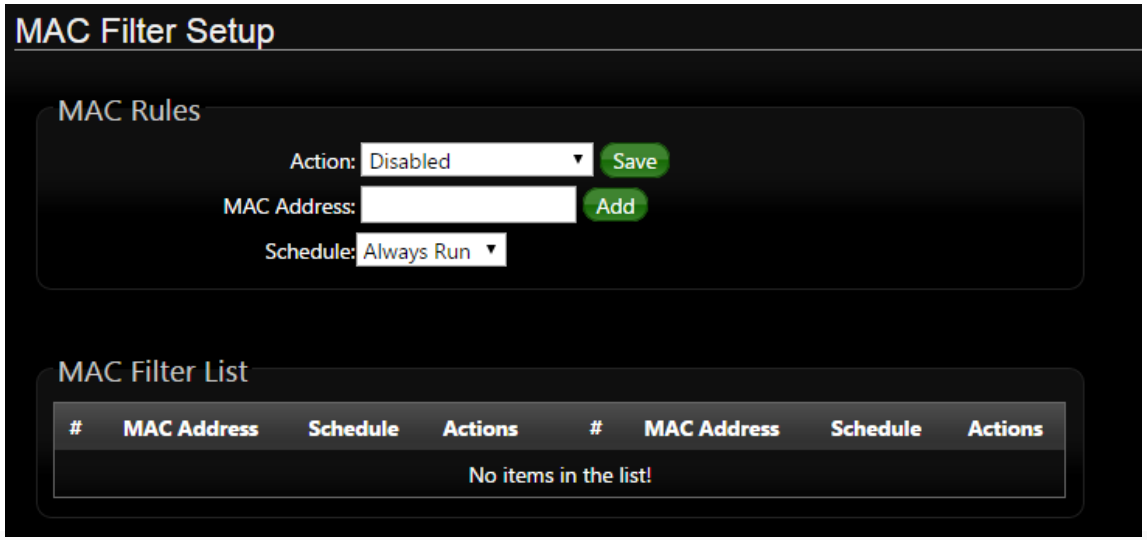
IP and MAC Filtering

2.4 GHz Type



In Router AP mode , the IP and MAC Filtering offers a greater sense of control within a network. This control over network Access allows for Administrators to create a more secure network

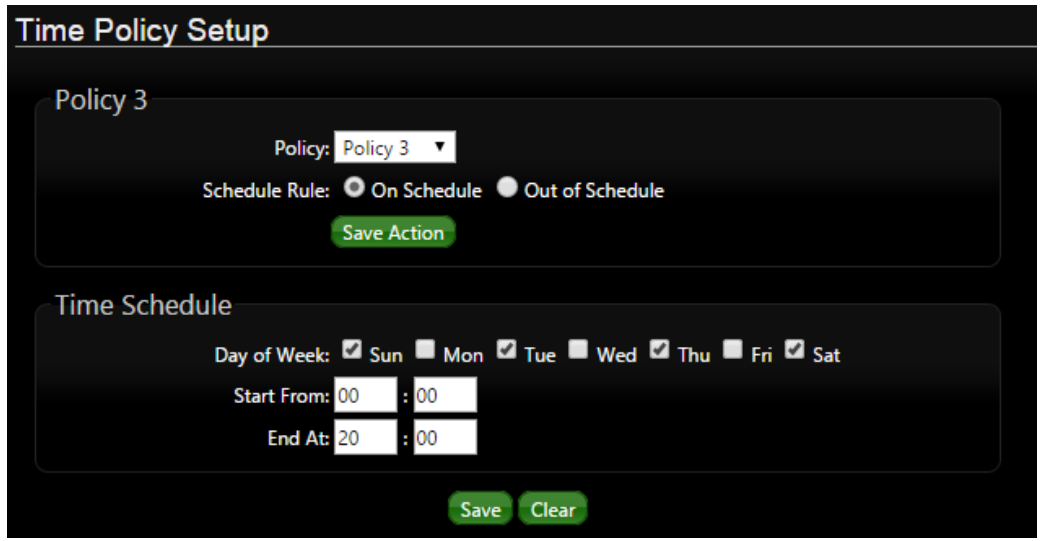
In Pure AP Mode Admins use MAC Filtering to also control traffic within their network.



Scheduling / Time Policy Setup

2.4 GHz Type

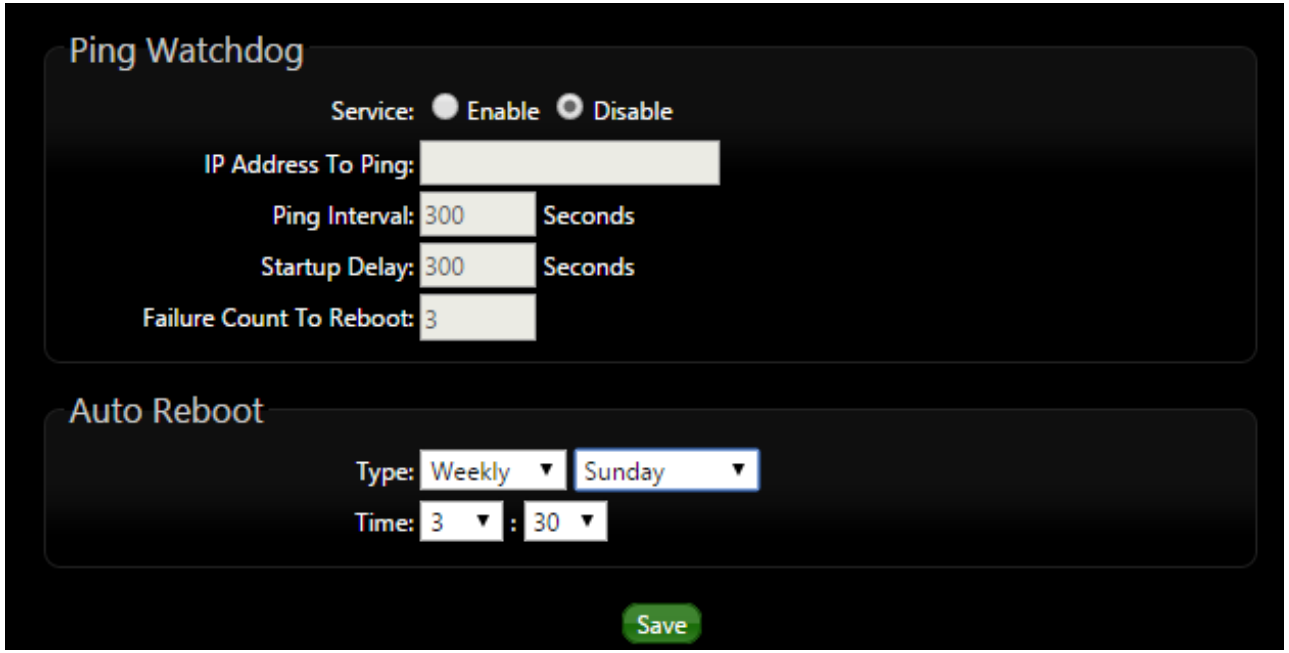
WiFi RF Signal on/ off
By scheduling control



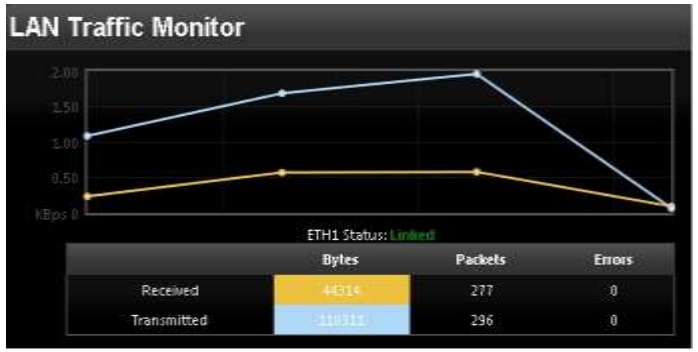
IW-100GX-N's CenOS 3.0 Time Policy function allows **for management of usage time** within a network. CenOS 3.0's easy to use interface allows for simple configuration of Day/Time restrictions that Admins can place on users within the network.

Auto Reboot Function

Administrators can activate the CenOS 3.0 Auto Reboot function that effectively reboots the network system routinely based on admin settings. This enables better system reliabily and a lower likelihood of crashes. It also reduces the need for constant on-site system maintenance in case of system crashes.



Traffic Monitoring



Provides Traffic Monitor and Graphical GUI Status Interface.

Your Success, Our Driving Force

IW-100GX-N's CenOS 3.0 is a valuable software for organizations deploy and manage Cerio products in a variety of challenging networking environments.

By utilizing Cerio CenOS 3.0 with Cerio's IW-100GX-N, networks can be easily configured, controlled and monitored from one central location. Features include network segmentation (Multiple SSID), Parental and Time Policy Control, and IP/MAC filtering for enhanced network security.

The IW-100GX-N management software delivers a robust suite of tools for IT managers and network administrators to conveniently deploy, manage and maintain wireless networks.

CERIO

Amplify your Wireless Network

EXTREME POWER

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