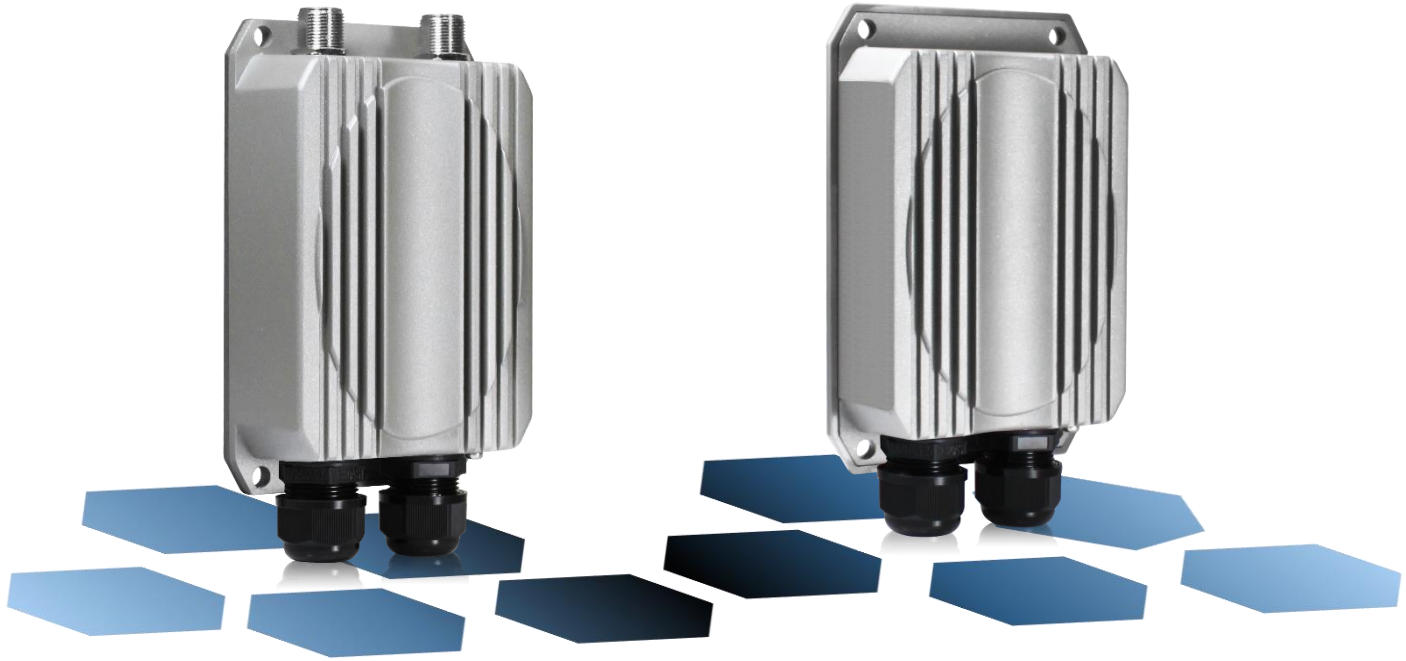
Amplify your Wireless Network

Introduction to OW-2XXN2-X

eXtreme Power 11Na **5Ghz** 2x2 **Outdoor Series** (500mW)



OW-200N2-X
2 N-type Connectors

OW-215N2-X
2x2 Built-in Antennas

Mounting

Product Overview

- OW-215N2-X (Built–in 5GHz) 2x2 **15 dBi directional panel antennas**
- OW-200N2-X 2x2 **N-Type External Antenna Connectors**
- Bandwidth of up to **300Mbps** (TxRx link rate)
- Two Weatherproof Protected Ethernet Ports (1x PoE-In Port & 1x PoE-Bridge Port)
- Die-Cast Aluminum **Weatherproof Housing (IP67/68)**
- Supports **4 Operational Modes**
- Supports Overload Current protection and Built-in lightning arrester (15kV ESD)
- Supports **PoE Bridge** Capabilities for IP Cam, AP, etc.

Hardware Overview

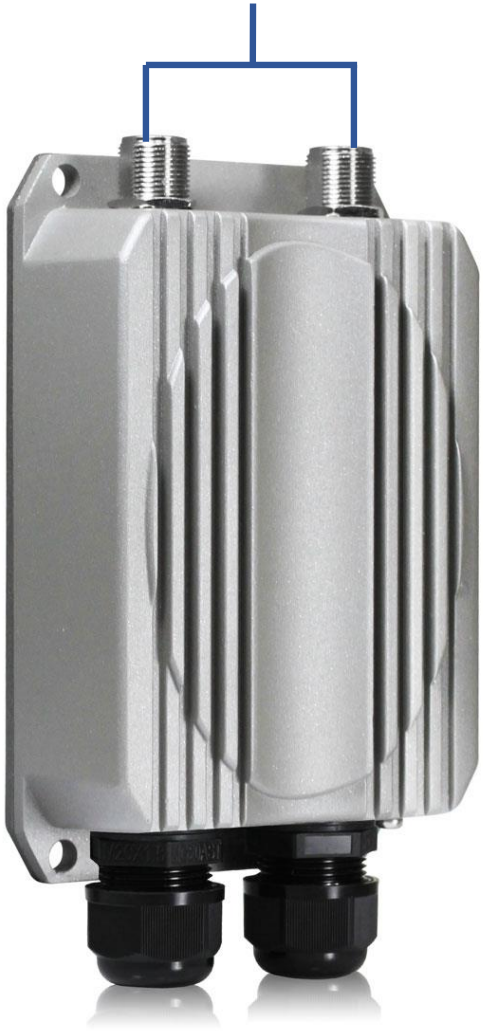
CERIO

Grounding Port

LAN1 (PoE-In)

LAN2 (PoE Bridge)

N-Type Connector
For External Antennas



2x2 Built-In 15dBi
Directional Panel Antennas

*Ethernet Ports utilize **Weatherproof** protective design

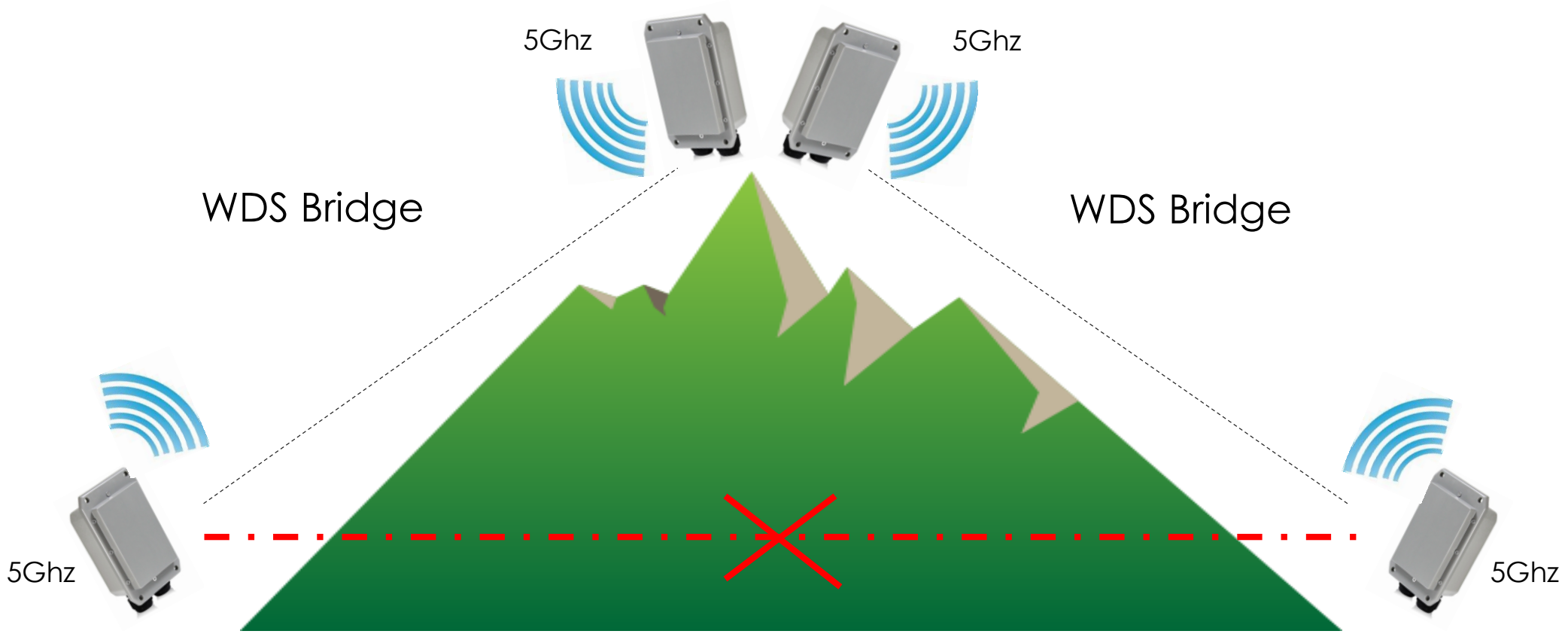
EXTREME POWER

Mounting

Advanced Support

- **Operation Modes** : AP Mode, WDS Mode, Client Bridge + Repeater AP Mode and WISP Repeater + AP Mode
- 500mW at 5Ghz Output High Power
- Supports **8 Multiple-BSSID** and IEEE802.1d Spanning Tree
- Supports Static Routing and RIP and OSPF Dynamic Routing through CPE mode.
- QoS(Quality of Service) for **bandwidth management** and traffic prioritization
- Supports IGMP v1/v2/v3 snooping, Web management and SNMP MIB-II
- Software interface allows for communicating with **CWMS Software** and CERIO AM-Series AP Management WLAN Switch or Access Controller of network management servers.

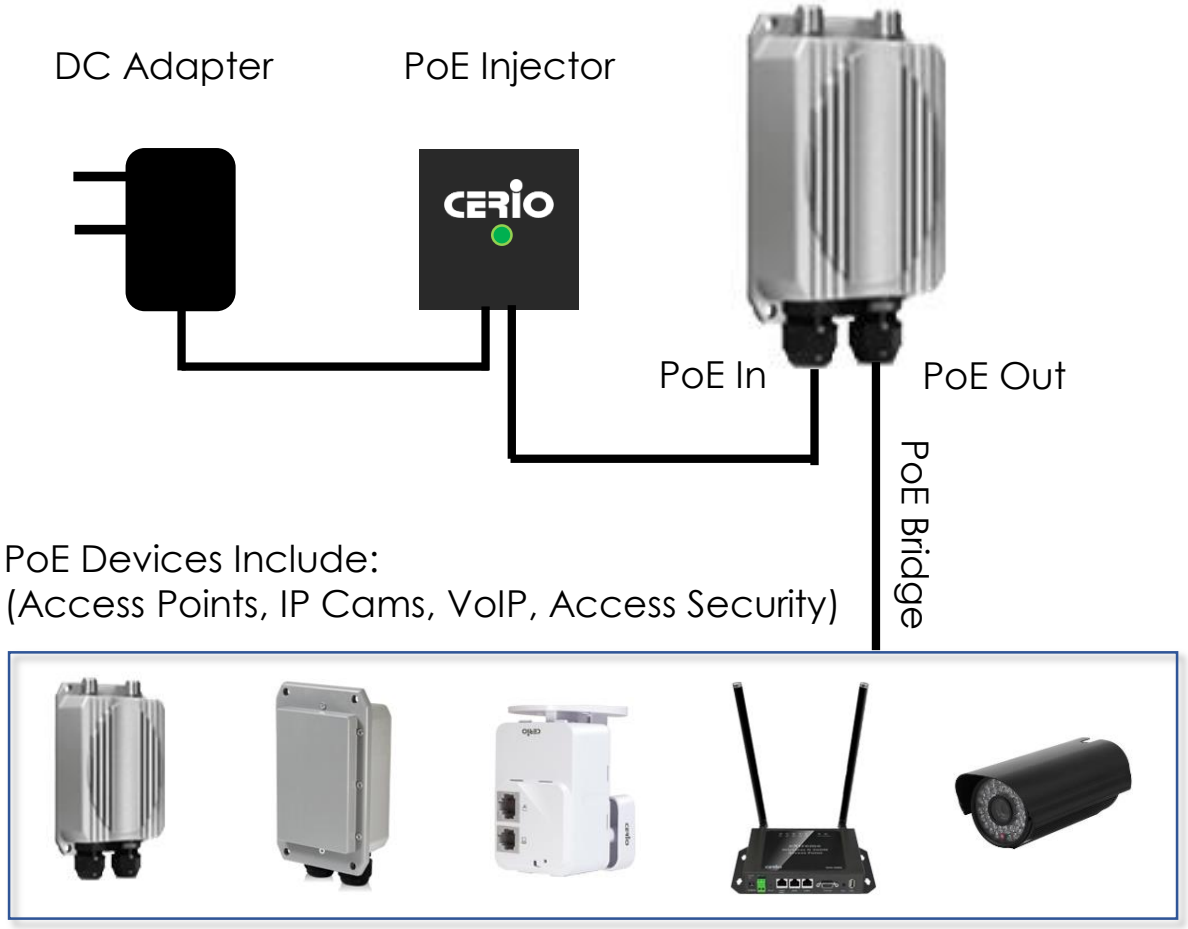
Long Distance Solution



OW-2XXN2-X wireless solutions are ideal for environments where **line-of-sight obstacles** obstruct device connections. CERIO OW-2XXN2-X series can be deployed as an **AP Bridge** through **WDS Mode** to expand connections across difficult terrain.

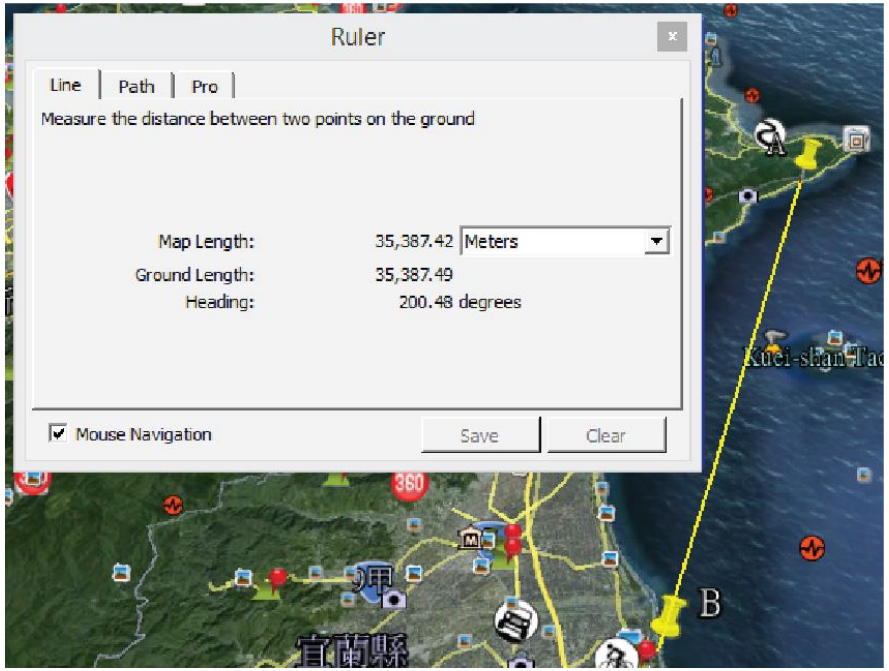
Distance & PoE Solution

OW-2XXN2-X wireless devices are perfect for providing network coverage across large environments where cables cannot be installed.



OW-2XXN2-X PoE Bridge function allows each AP to provide power to subsequent devices.

Proven Test Reports



Environmental testing for bandwidth validation

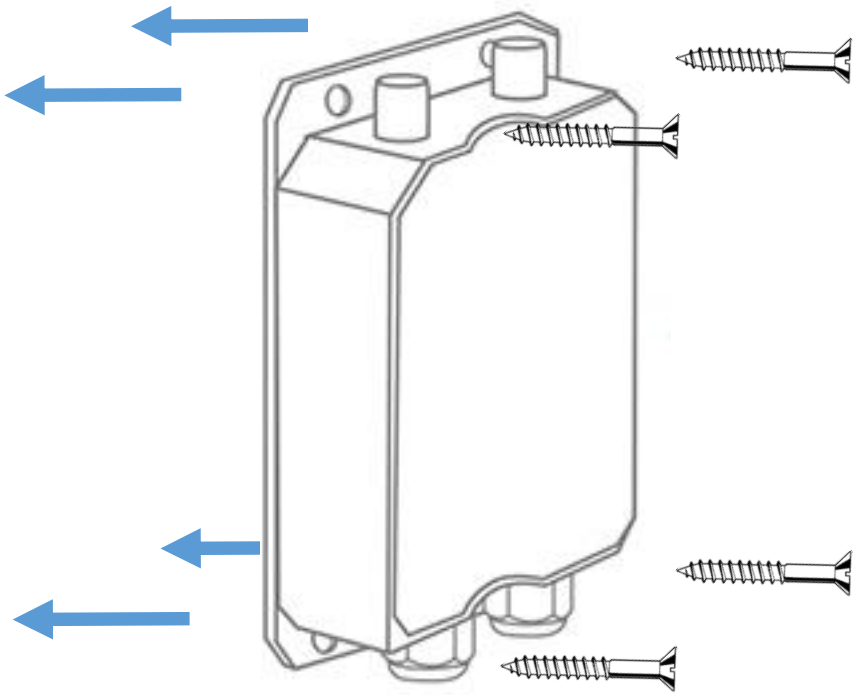
CERIO's OW-2XXN2-X 5Ghz Outdoor AP series undergoes extensive **environmental testing** to ensure quality connection and data rate stability.

We have conducted data rate tests at **distances of up to 35km** using our OW-200N2-X paired with our 5Ghz outdoor directional antennas.

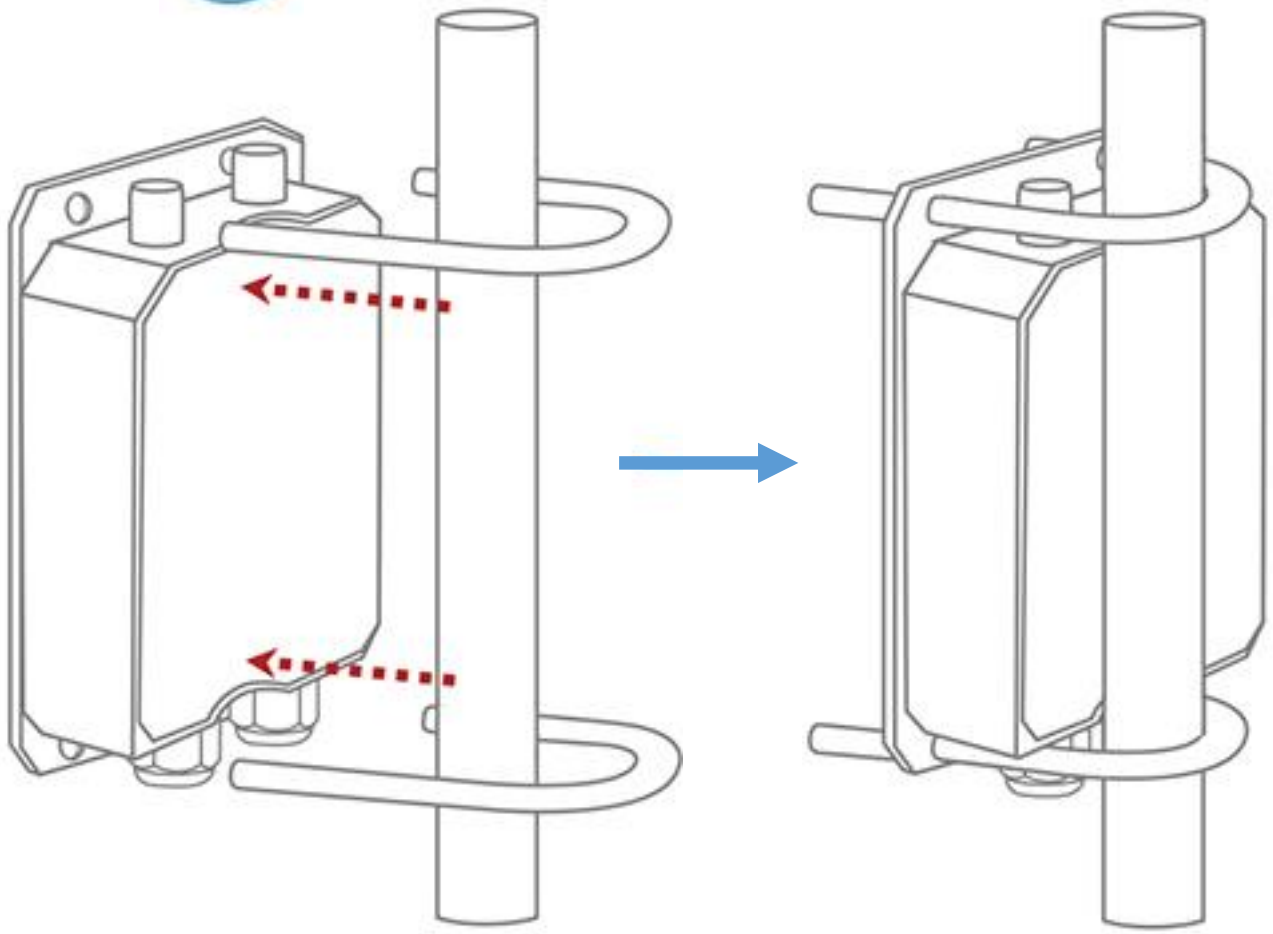
Our outdoor wireless testing proves to be a very **valuable reference tool** for users planning on deploying our products in a variety of outdoor environments. (Examples: Remote mountainous areas, long distance network extensions, long distance backhaul, remote surveillance centers)

Mounting

1 Wall Mounting



2 Pole Mounting



Mounting

OW-PKTB Compatible

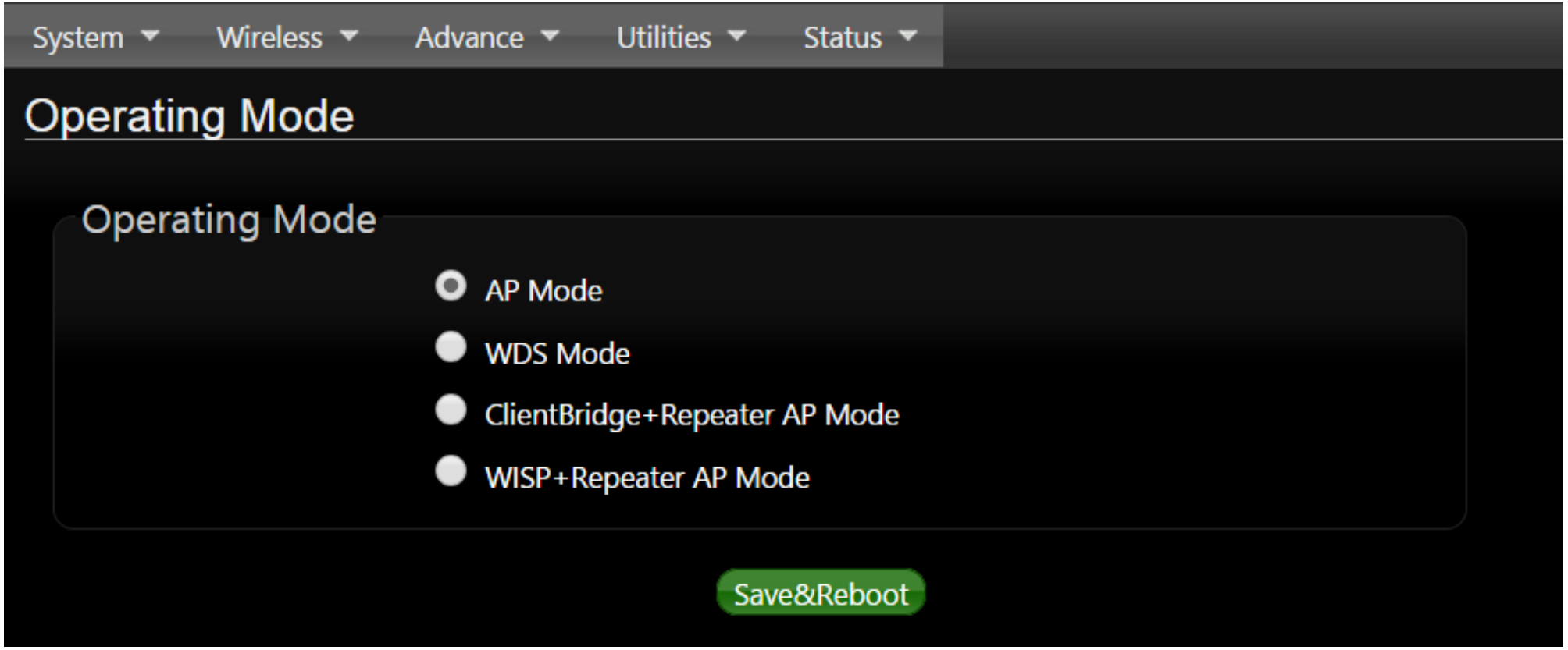
CERIO's **OW-PKTB Adjustable Wall / Pole Mounting Bracket Set** is designed to be compatible with OW-2XXN2-X Series mounting. Users can securely mount up to 3 devices (**Access Points, IP Cameras, External Antennas**) per OW-PKTB bracket, making OW-2XXN2-X + OW-PKTB the ideal solution for outdoor wireless deployment.

CenOS 3.0

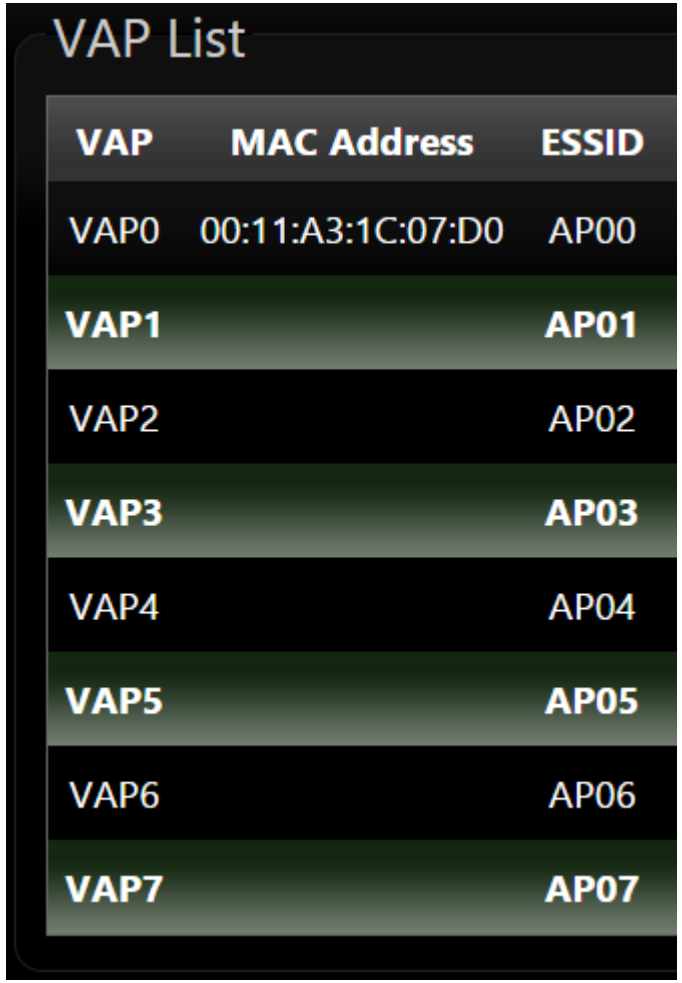
Software Bundle

4 Operation Modes

Cerio's OW-2XXN2-X Supports **4 Operation Modes**. The default operation mode for this device is Pure AP Mode.



SSID & VLAN Tagging

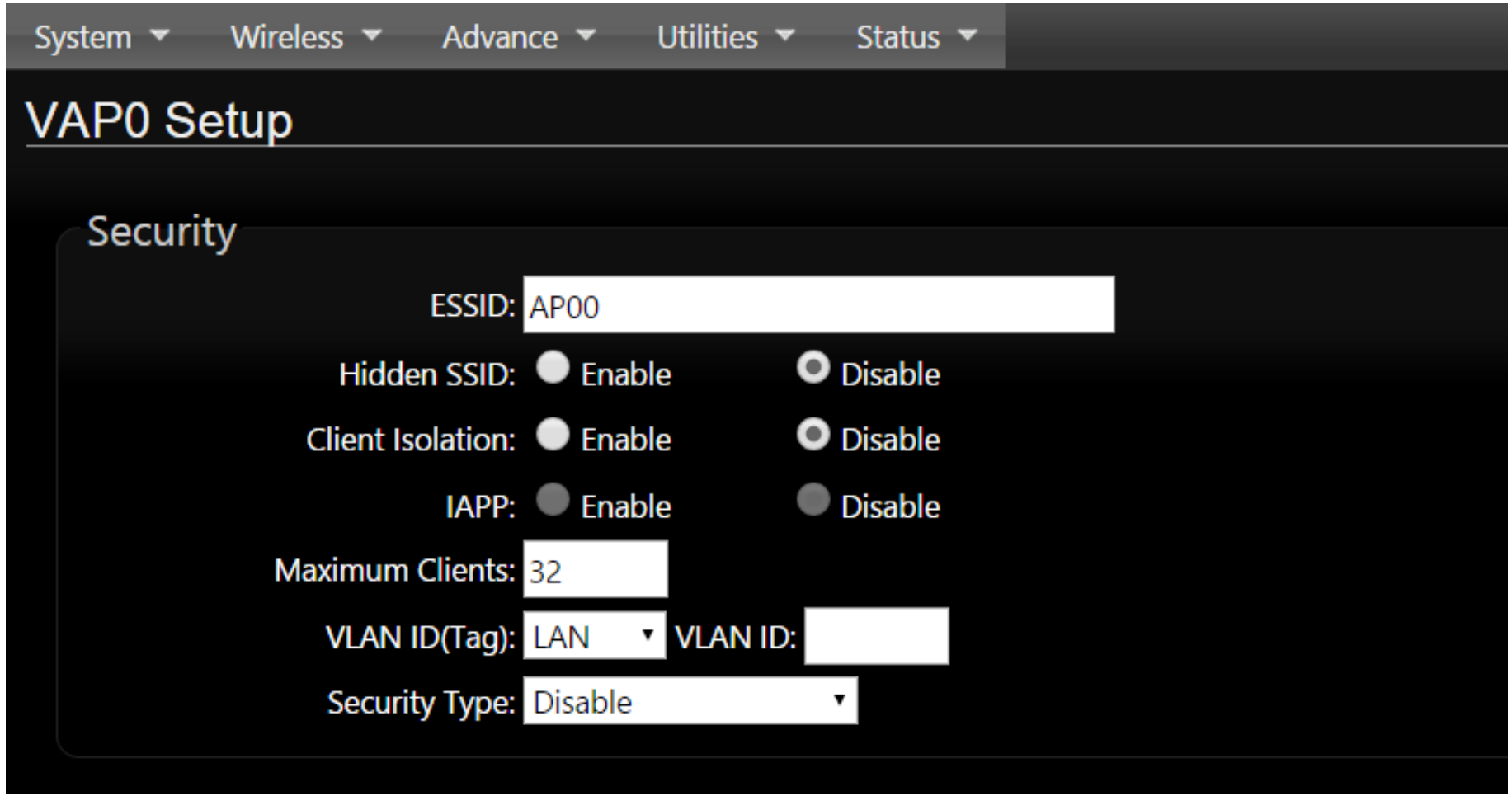


Cerio's CenOS 3.0 Software allows each OW-2XXN2-X device to broadcast 8 SSIDs. Each SSID can be configured to a specified SSID by the network administrator. This is known as VLAN tagging.

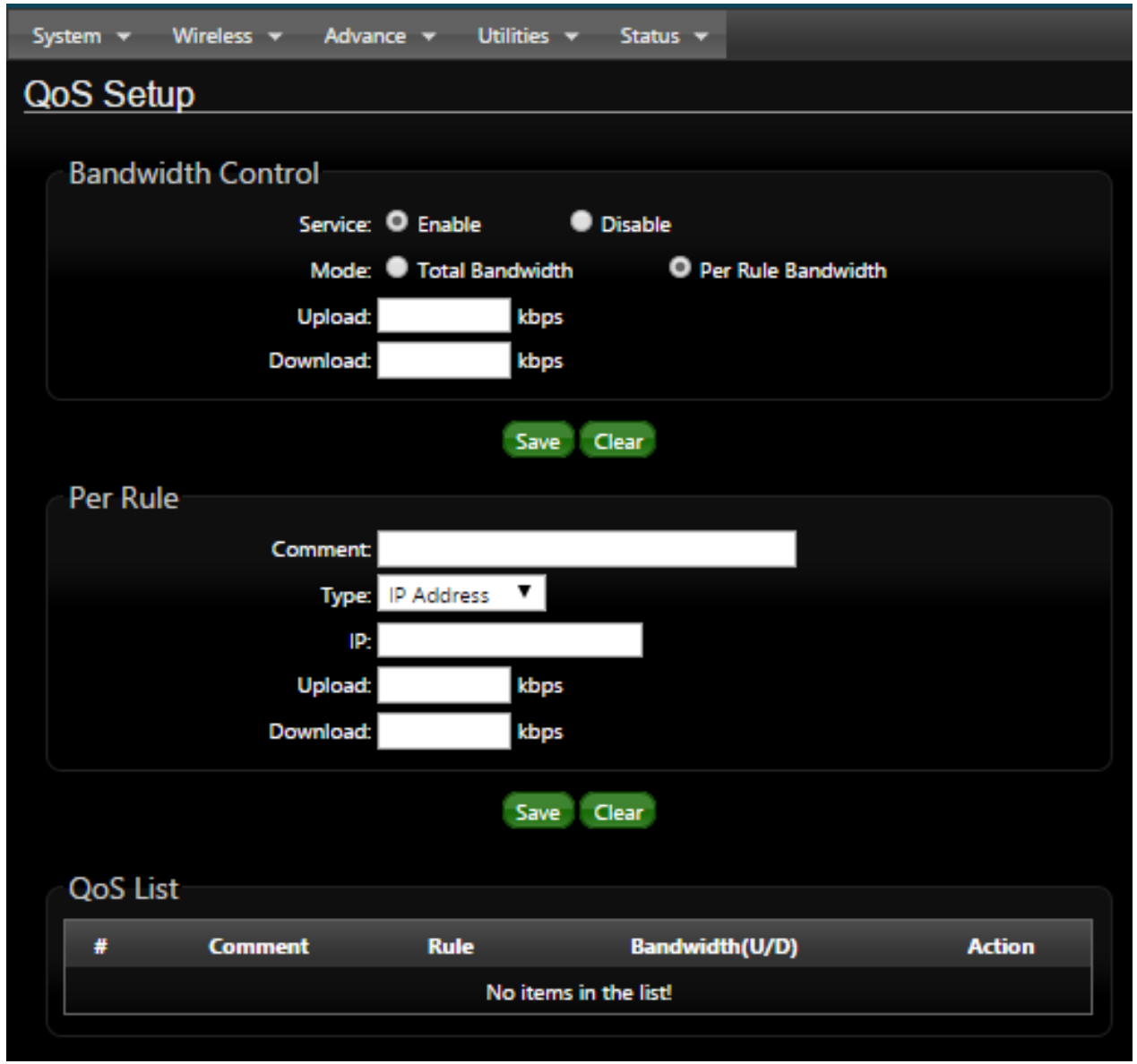
VLAN tagging effectively marks packets with a VLAN ID to properly determine which VLAN the packet belongs to. This allows users to deploy multiple VLANs (Guest/VIP) on a port, and distinguish which network each packet belongs to.

Virtual Access Point Setup

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)

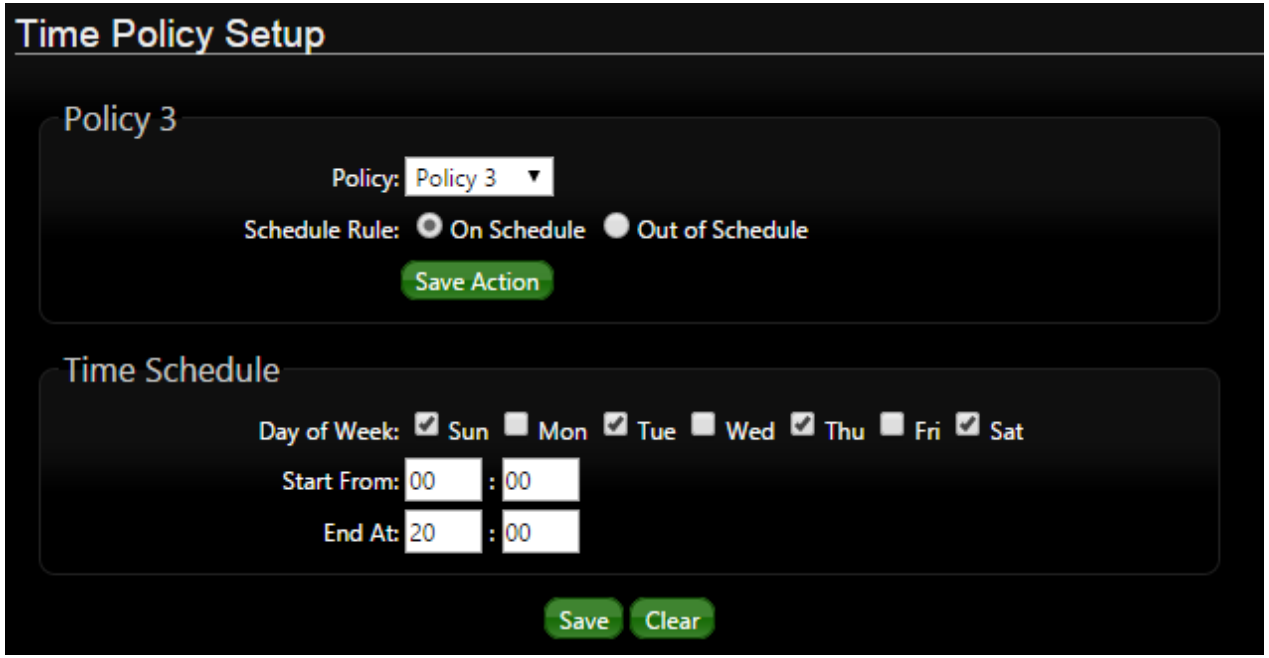


Quality of Service allows for bandwidth control which permits Administrators to allocate bandwidth to parties as they see fit

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

Time Policy Function

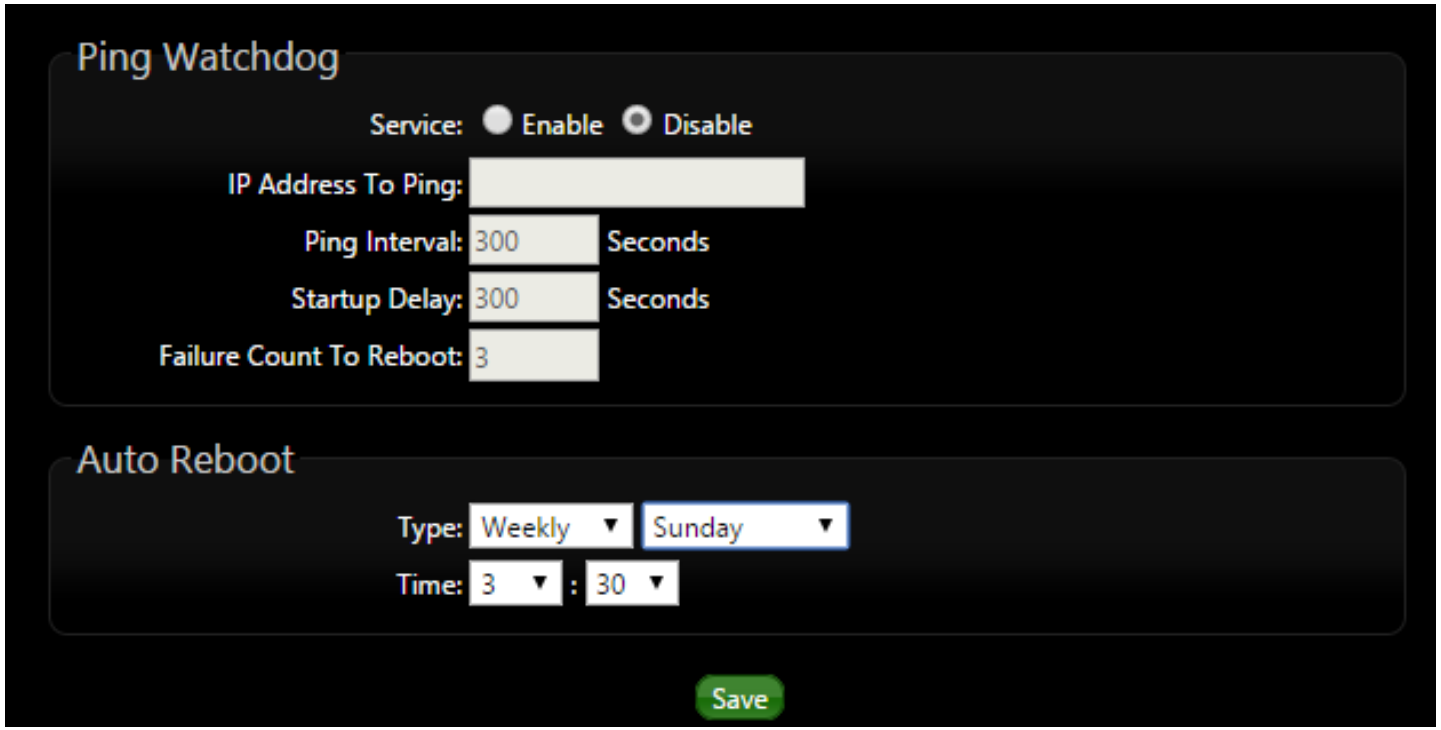
Wi-Fi RF Signal on/ off By scheduling control



OW-2XXN2-X'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 administrators can place on users within the network.

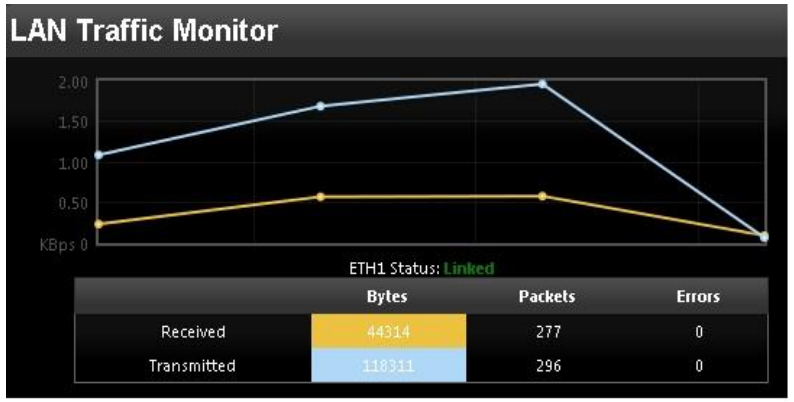
Auto Reboot Function

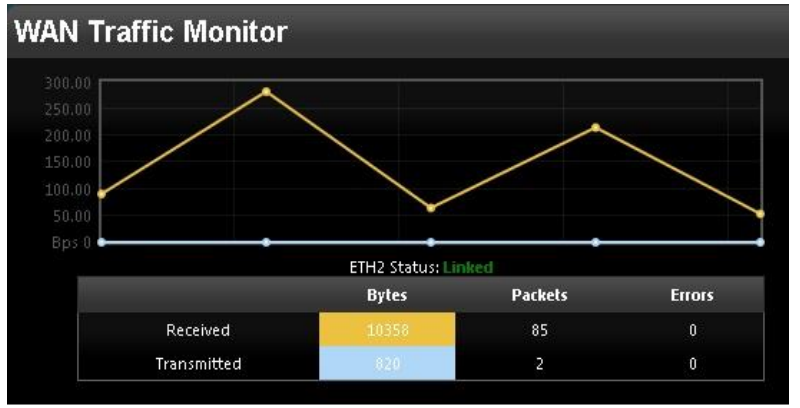
Administrators can activate the CenOS 3.0 Auto Reboot function that effectively reboots the network system routinely based on admin settings. This enables better system reliably and a lower likelihood of crashes. It also reduces the need for constant on-site system maintenance in case of system crashes.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



Traffic Monitoring

CenOS 3.0 provides a Traffic Monitor and Graphical GUI Status Interface.





Amplify your Wireless Network