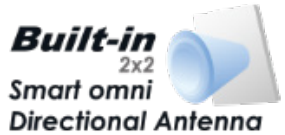
CERIO

Amplify your Wireless Network

DT-300N

eXtreme Power 11n 2.4Ghz 2x2 Wireless Access Point (1000mW)

With CenOS 3.0 Software

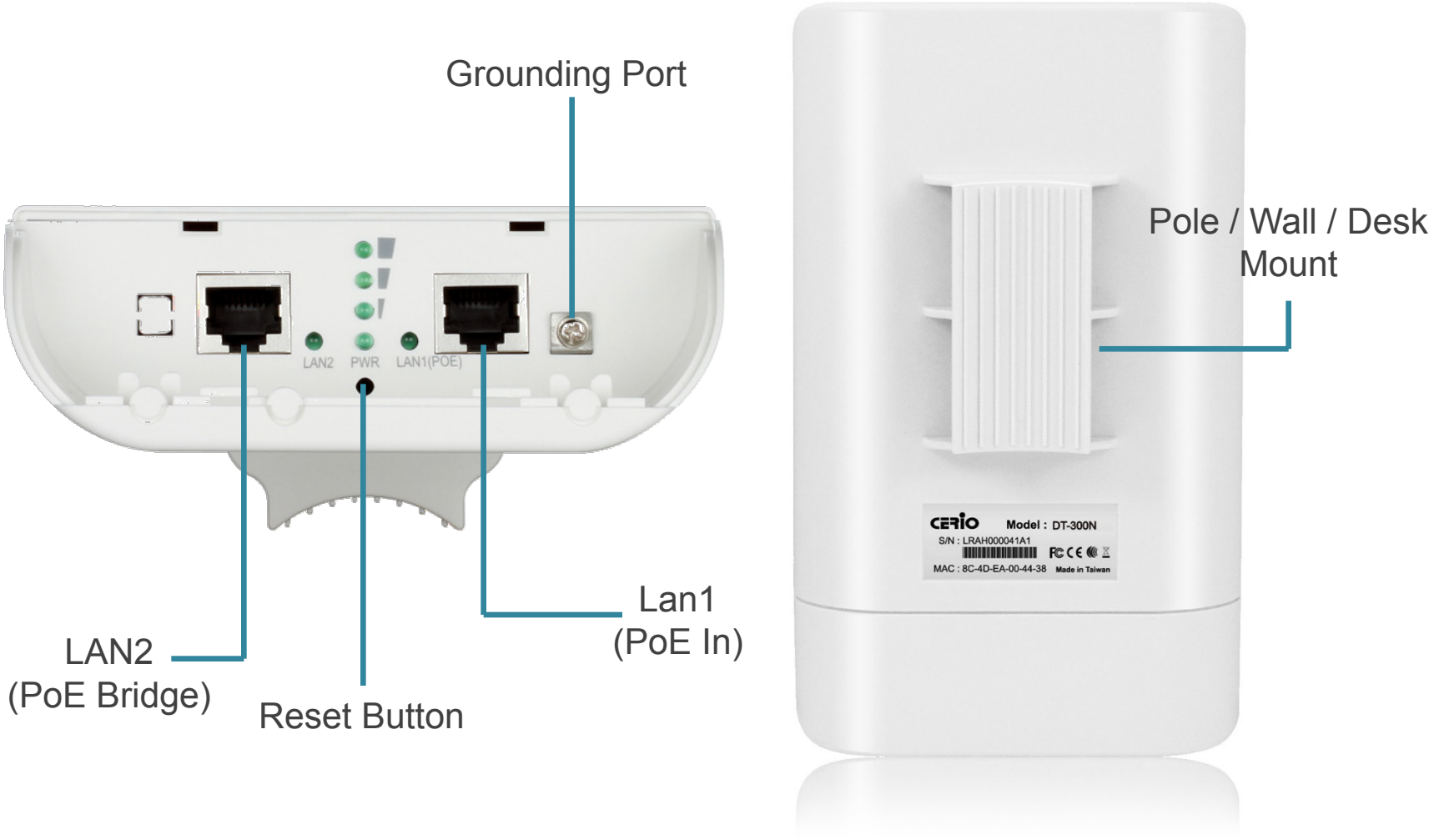


Hardware Table of Contents

Product Overview

- DT-300N (Built–in 2.4 GHz) 2x2 10dBi Panel Directional Antenna
- Two 10/100 Fast Ethernet Ports
- Waterproof IPX6 Housing
- 533Mhz high level base CPU
- Supports Overload Current protection and Built-in lighting arrestor (15kV ESD)
- PoE Bridge Support
- Supports both Pole and Wall Mounting solutions that are easy to install

Product Diagram



Highlight Features

eXtreme Power Wireless Capability

Enables connection to Wireless In/Outdoor Networks for service provider deploying last mile services

- Powerful wireless speed of up to 300Mbps
- 2x2 Built-in DT-300N (Built–in 2.4 GHz) 2x2 10dBi Panel Directional Antenna

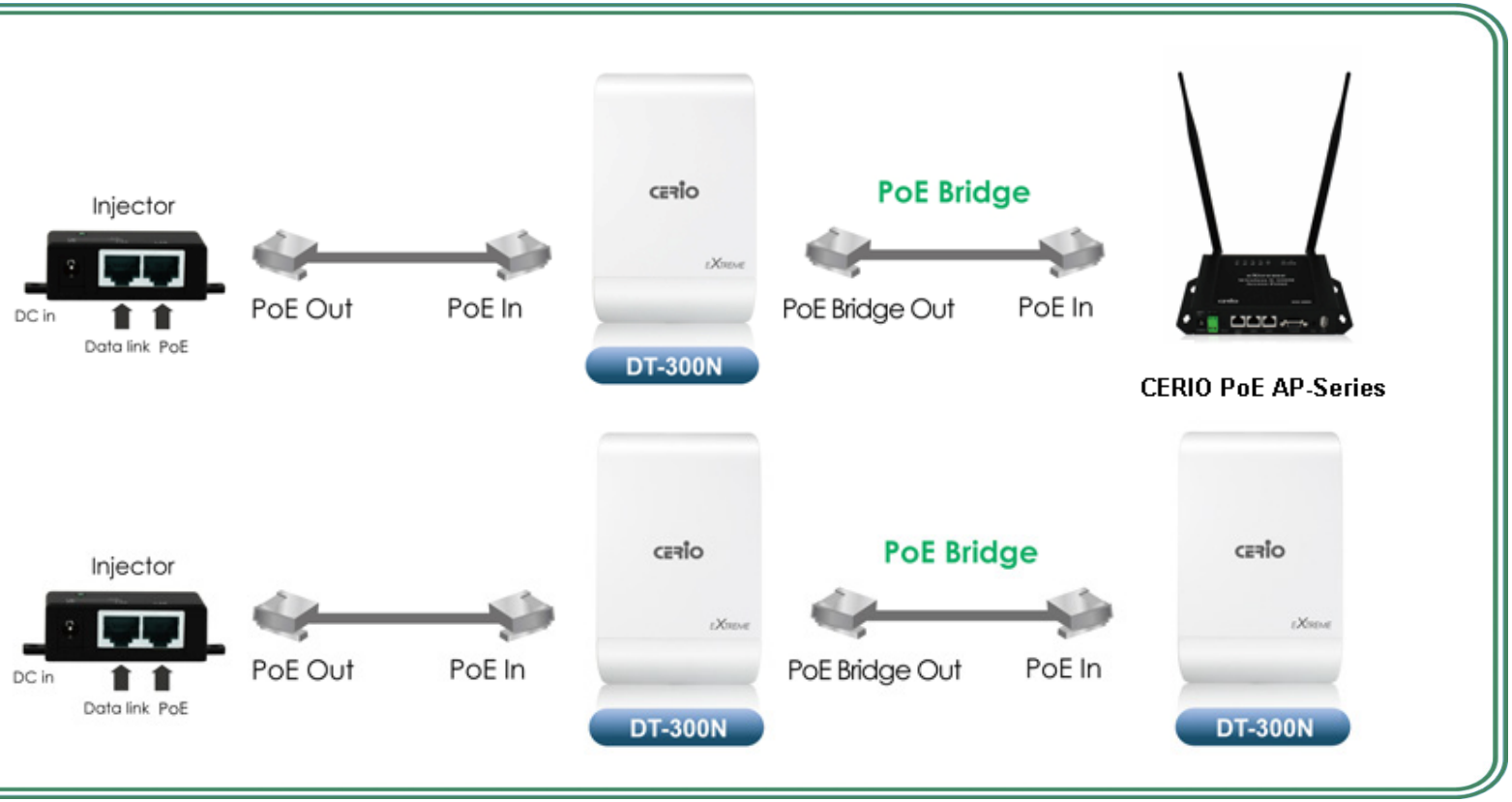
Smart PoE Bridge Application

Conveniently provides power to subsequent Access Points/Devices through PoE Bridge

- Allows for easy structuring of devices through PoE power/data capabilities supplied through CAT5 Ethernet cabling

PoE Bridge Capability

Conveniently supply both power and data to subsequent APs/Devices through the PoE Bridge Function. This allows for convenience in structuring your network infrastructure, eliminating the need for additional power cables.



Pole / Wall Mount Installation

Pole Mount

Easily mount device onto poles using provided self-locking cable ties

Wall Mount: Step 1

1

First install the wall mount in desired position using screws provided in the mounting kit

Wall Mount: Step 2

2

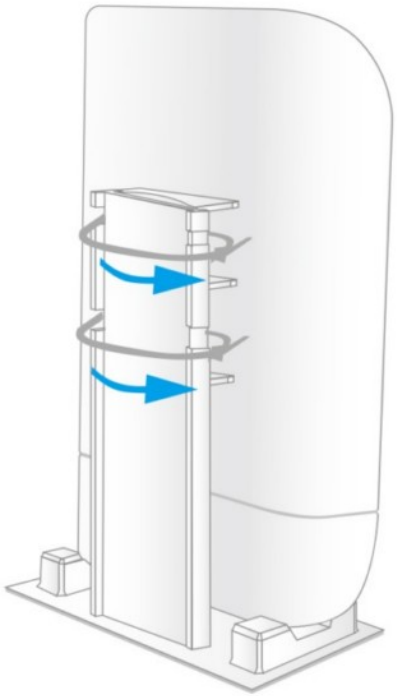
After the wall mount is securely installed, simply click the device onto the wall mount

Desk Mount Installation

Desk Mount: Step 1

Click the DT-300N device securely onto the desktop mount through the blister mounting component on the back of the device.

Desk Mount: Step 2



Use the self-locking cable ties to secure the DT-300N in place. Once mounted, simply place the device in desired location.

Competitive Points of Emphasis

PoE Bridge Capabilities

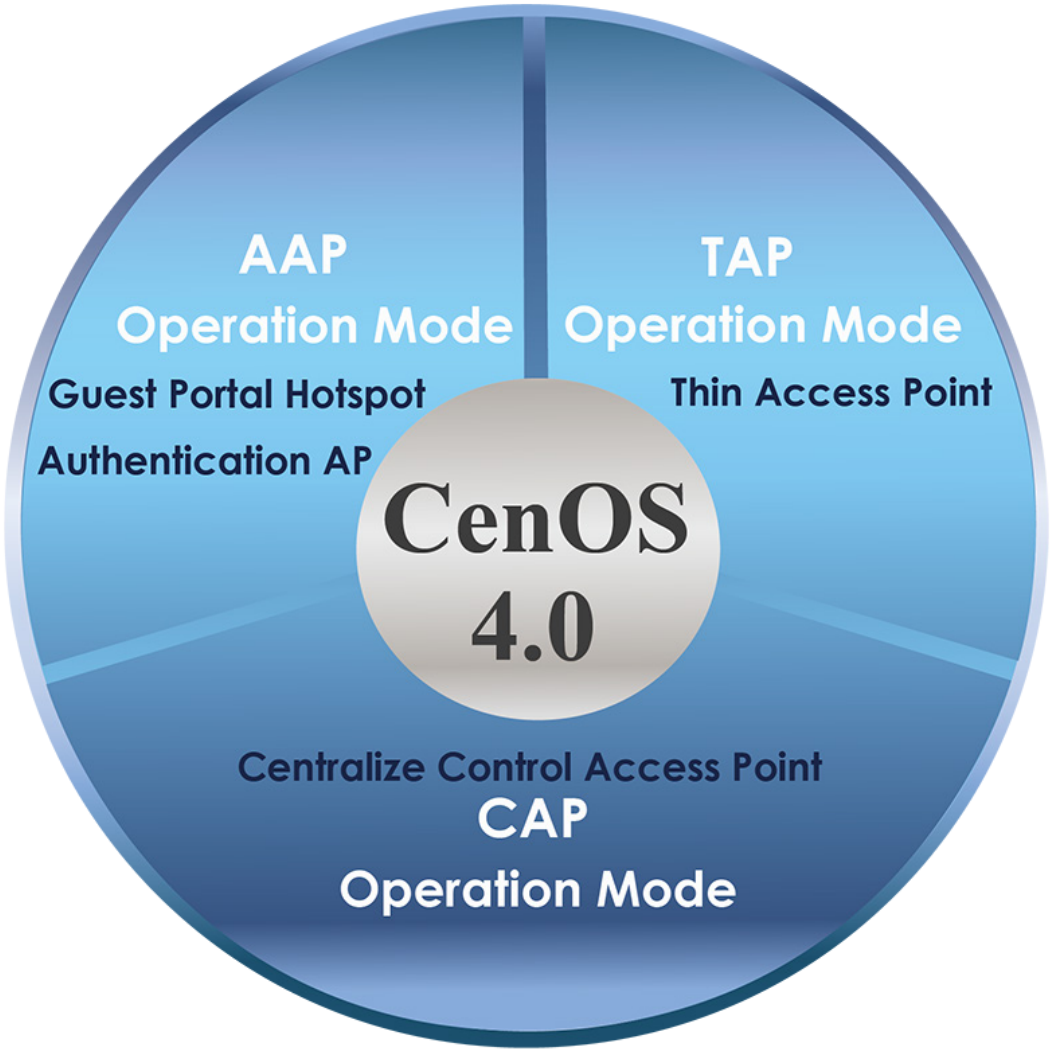
DT-300N utilizes a special LAN2 interface that provides both data connectivity and up to 12W power. This provides incredible convenience when setting up one's network infrastructure. Users can use LAN2's PoE Bridge to connect IP Cameras or subsequent APs without additional power cables.

IPX6 International Protection Standards

DT-300N's protective housing offers thorough protection from the elements. It's 6 grade represents extensive protection from water, making this device a reliable choice for outdoor deployment.

Cerio DT-300N CenOS 4.0 Software Overview

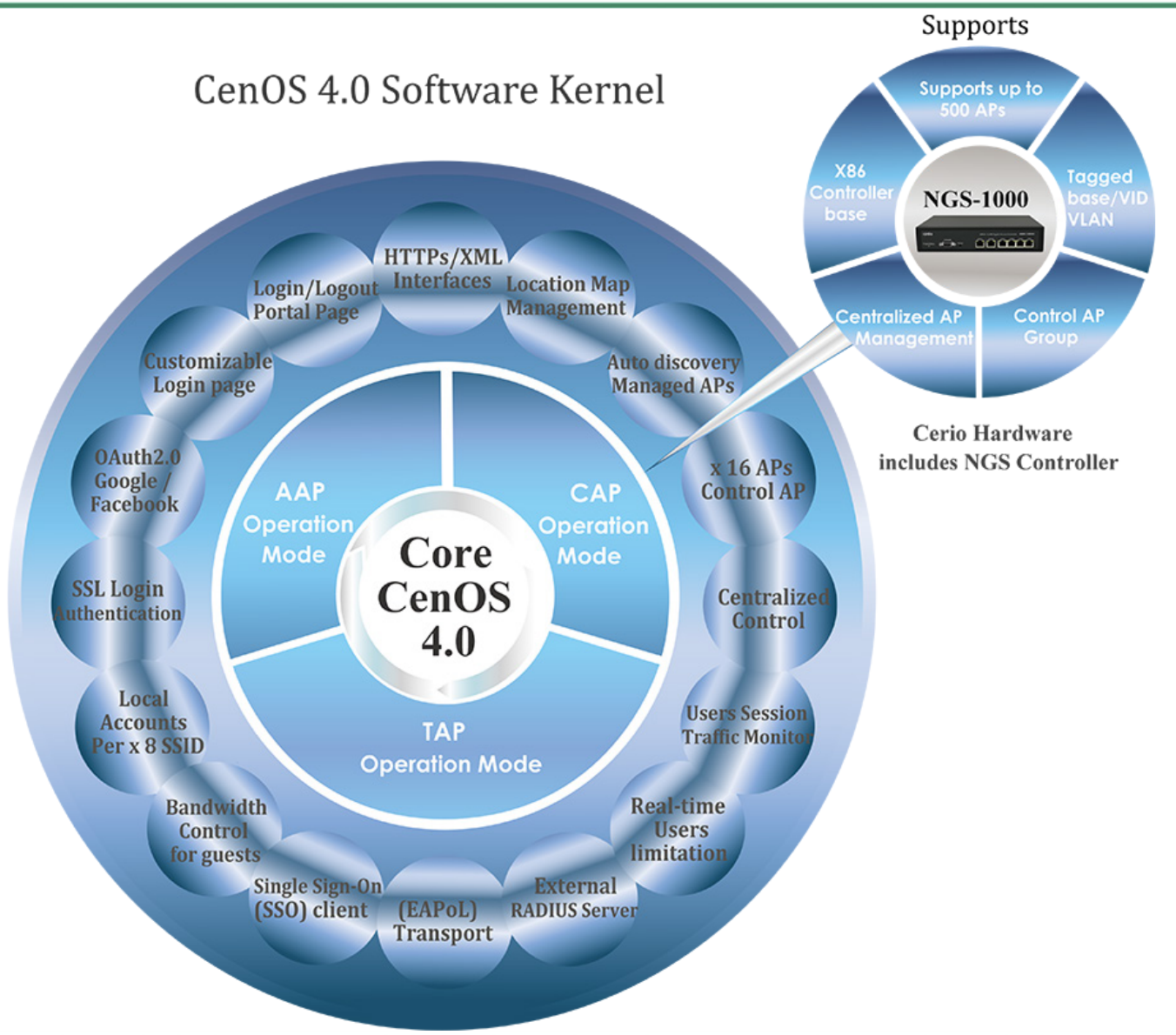
Cerio CenOS Support



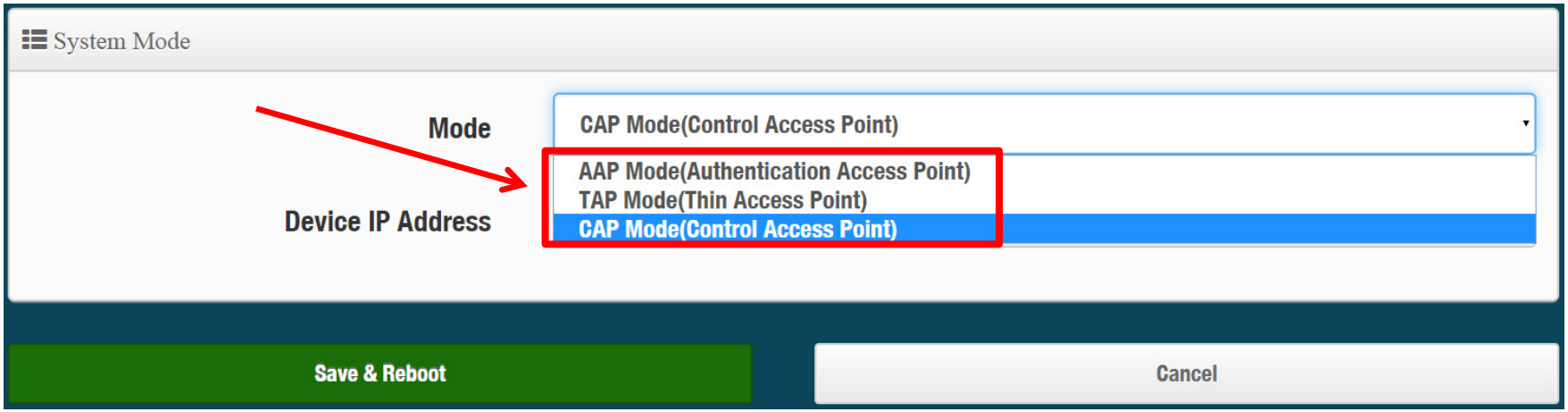
Only Cerio's special model supports CAP mode

Cerio CenOS Support

2.4 GHz Type



DT-300N with CenOS4.0 includes Three Operation Mode



Mode 1: AAP Mode (Authentication Access Point)

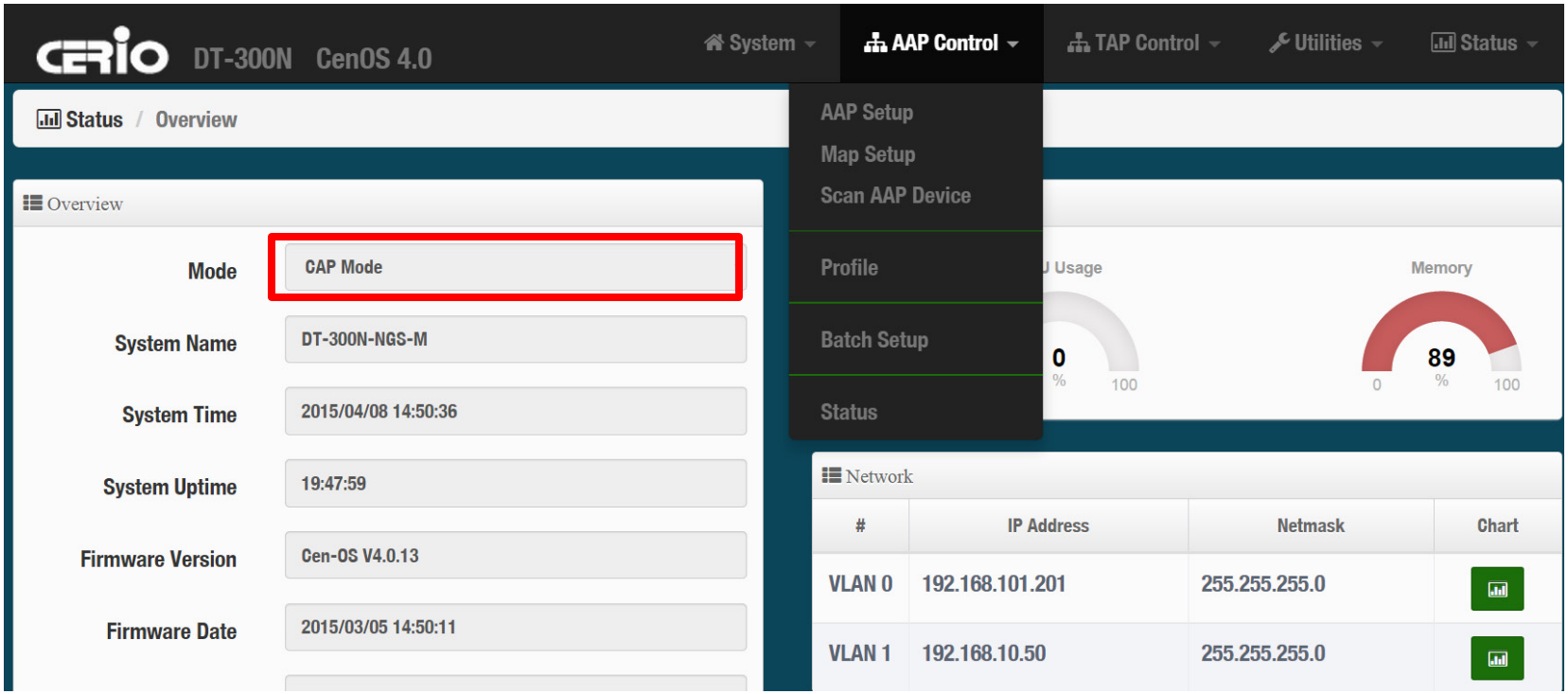
Mode 2: TAP (Thin Access Point)

Mode 3: CAP (Control Access Point)

Control Access Point (CAP) Mode

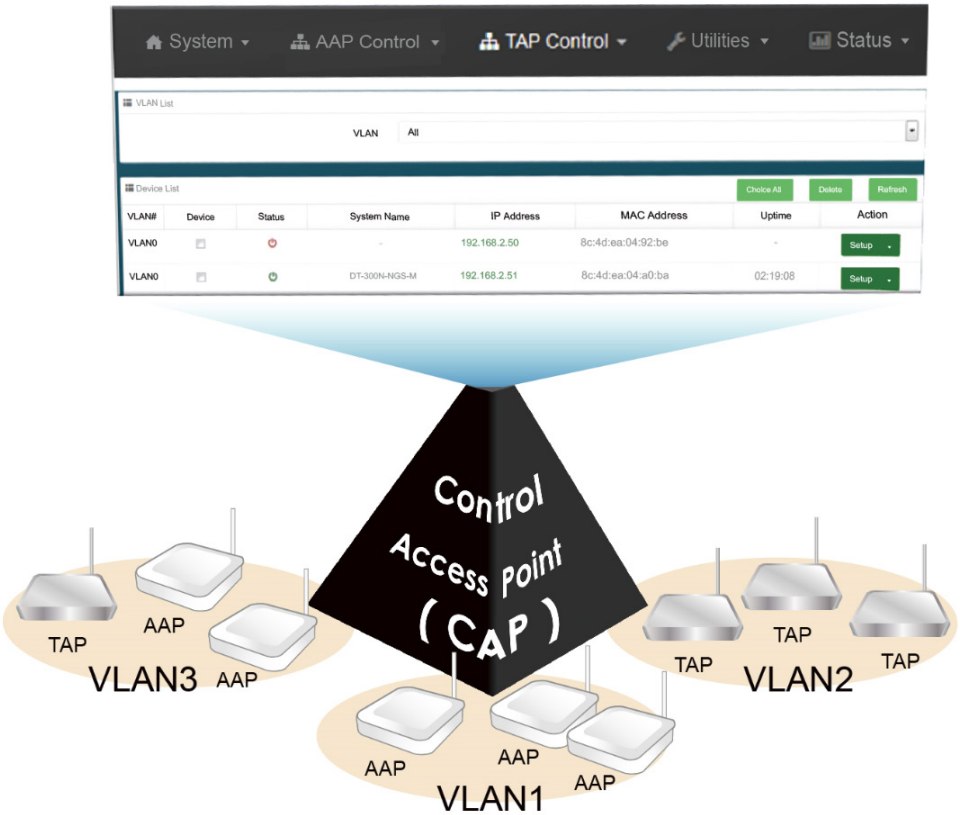
Control Access Point (CAP)

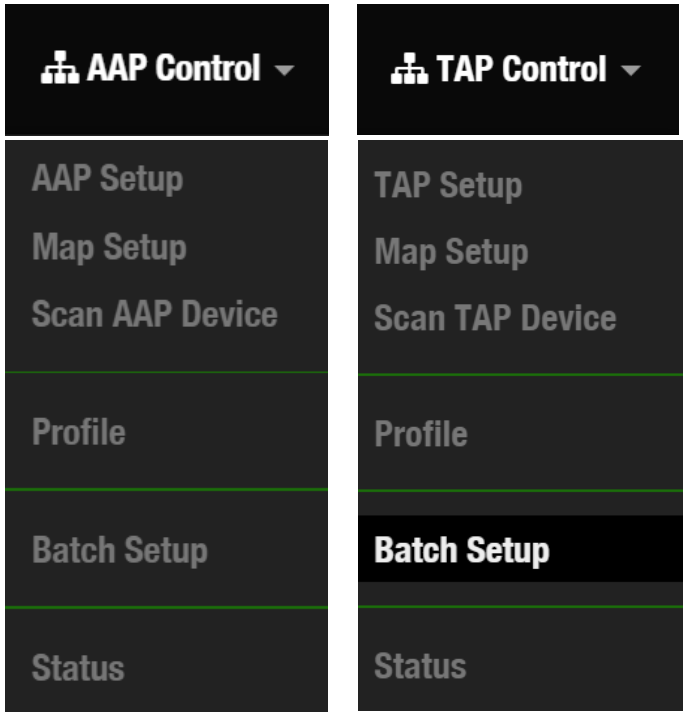
Control Access Point (CAP) Mode's primary function is to manage and control access points operating in AAP and TAP mode. When in CAP Mode, the device itself loses access point capability, and operates solely as an AP manager. CenOS 4.0's CAP mode allows administrators to centrally manage a network infrastructure, which enables complete control and ensures convenience.



Simultaneous AP Management

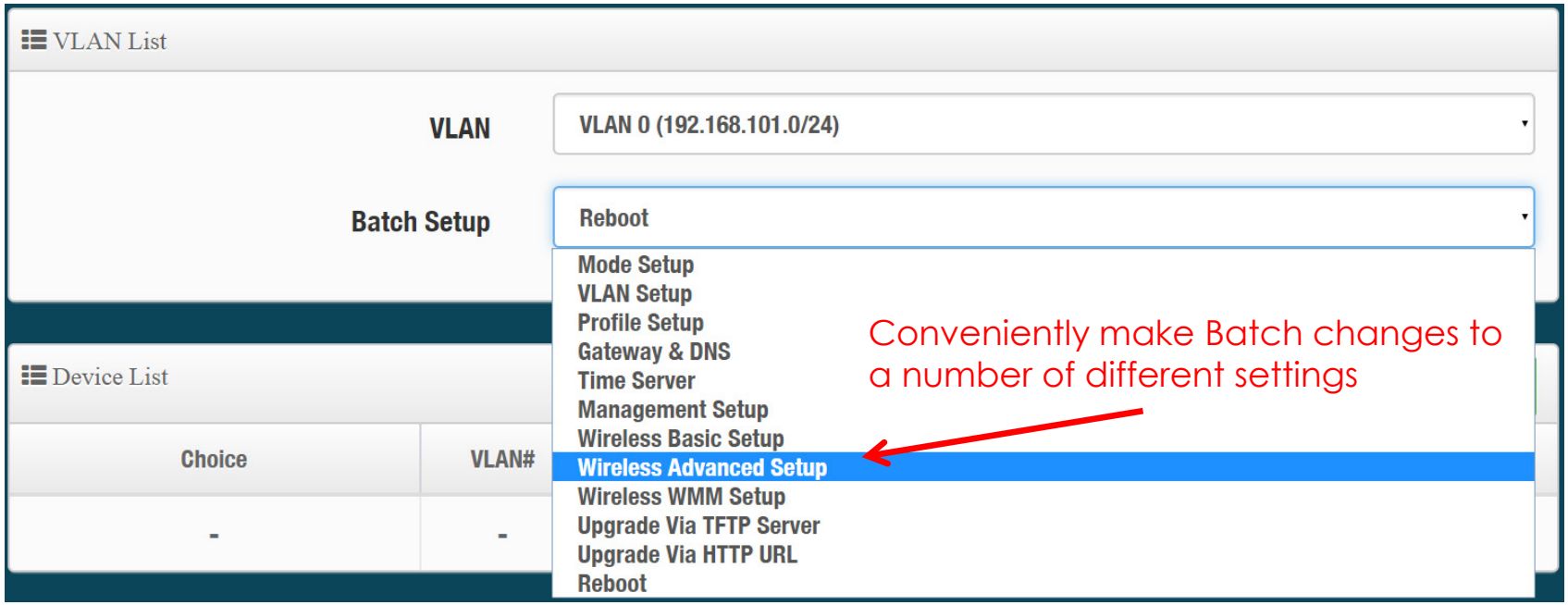
CenOS 4.0 enables simultaneous management of access points over a variety of network environments. When devices are operating in Control Access Point Mode, administrators can change managed AP settings through TAP and AAP control. Access Points in CAP mode can centrally manage both TAP and AAP Access points, regardless of what VLAN they are in.





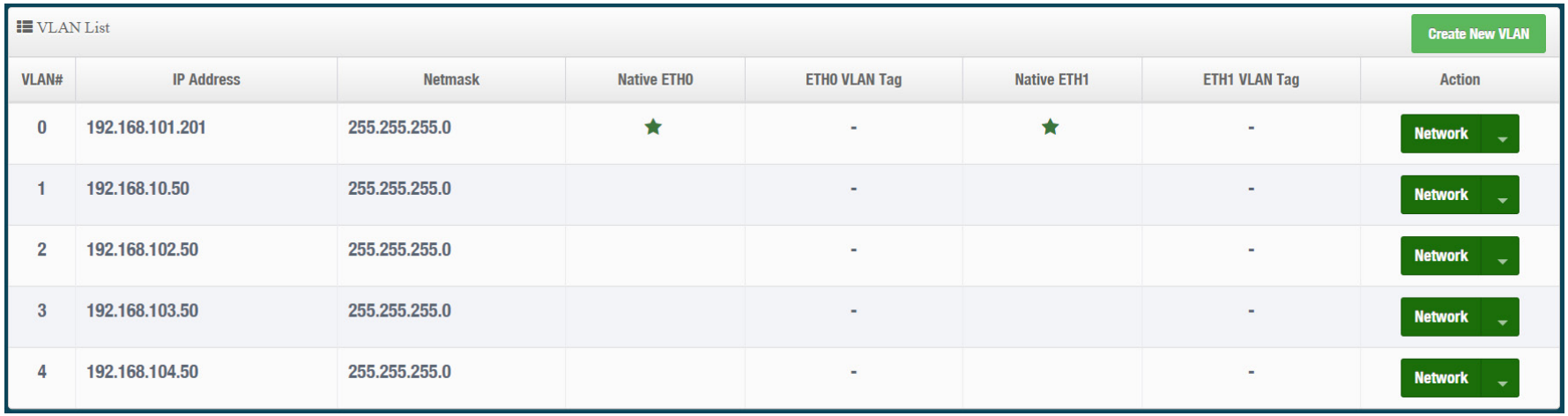
CAP Batch Management

CAP Mode's AAP/TAP control function supports centralized configuration of managed APs. This allows administrators to change AP operation modes, automatically assign IP addresses, configure local time, configure wireless general and security settings, and upgrade firmware for selected managed access points.



CAP Batch VLAN Setup

Administrators can enable authentication, Spanning tree, and control port capabilities for batches of access points. These changes can be implemented differently for each VLAN, allowing for both centralized and organized control.

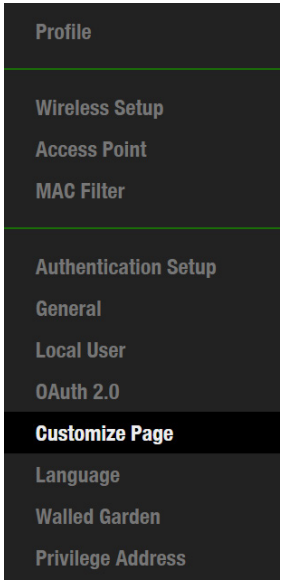


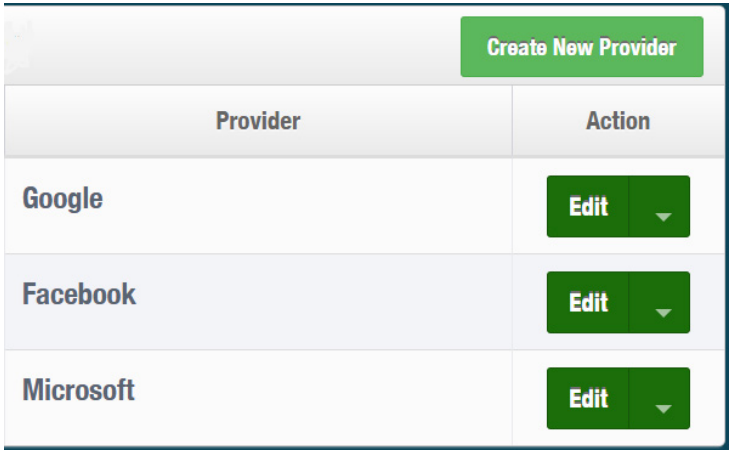
CAP's Batch VLAN setup also allows batch VLAN Tagging (1-4096 VLAN Tags)

Authentication Access Point (AAP) Mode

Authentication Access Point (AAP)

AAP Mode deployment is centered on Pure AP and Web Authentication functions. Authentication through AAP mode supports Remote RADIUS Server, local authentication, and OAuth2.0 by means of Facebook or Google login. Administrators can build a customized and controlled Guest Portal (VLAN) to desired specifications through functions such as OAuth2.0, Page Customization, Walled Garden, and Access Control.





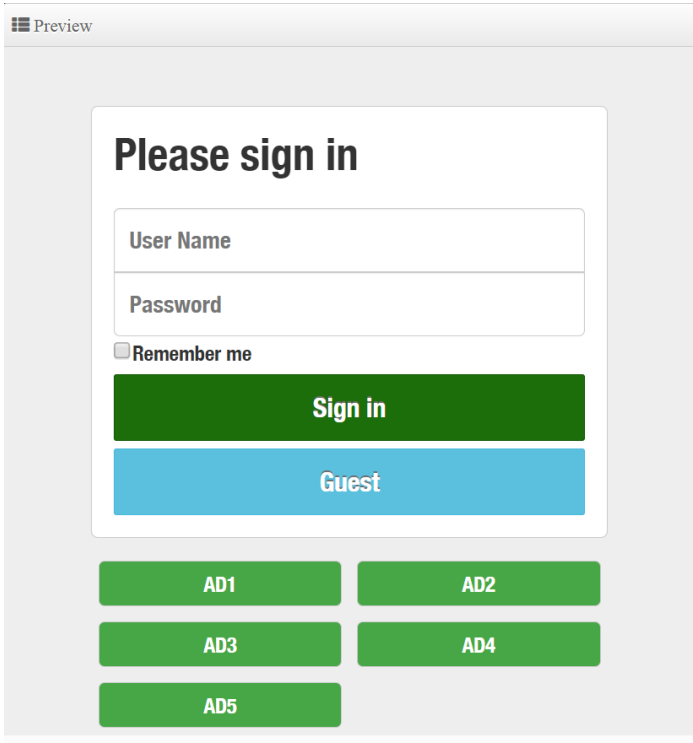
OAuth2.0 authorizes third-party providers access into servers, This essentially allows third-parties such as Facebook and Google to grant users internet access through already established credentials. OAuth2.0 simplifies Guest Portal access and providers user convenience

AAP Customized Login Page

Administrators can create a customized Login Page which can become a platform:

- for self-promotion
- brand exposure
- Advertisement
- space for providing information.

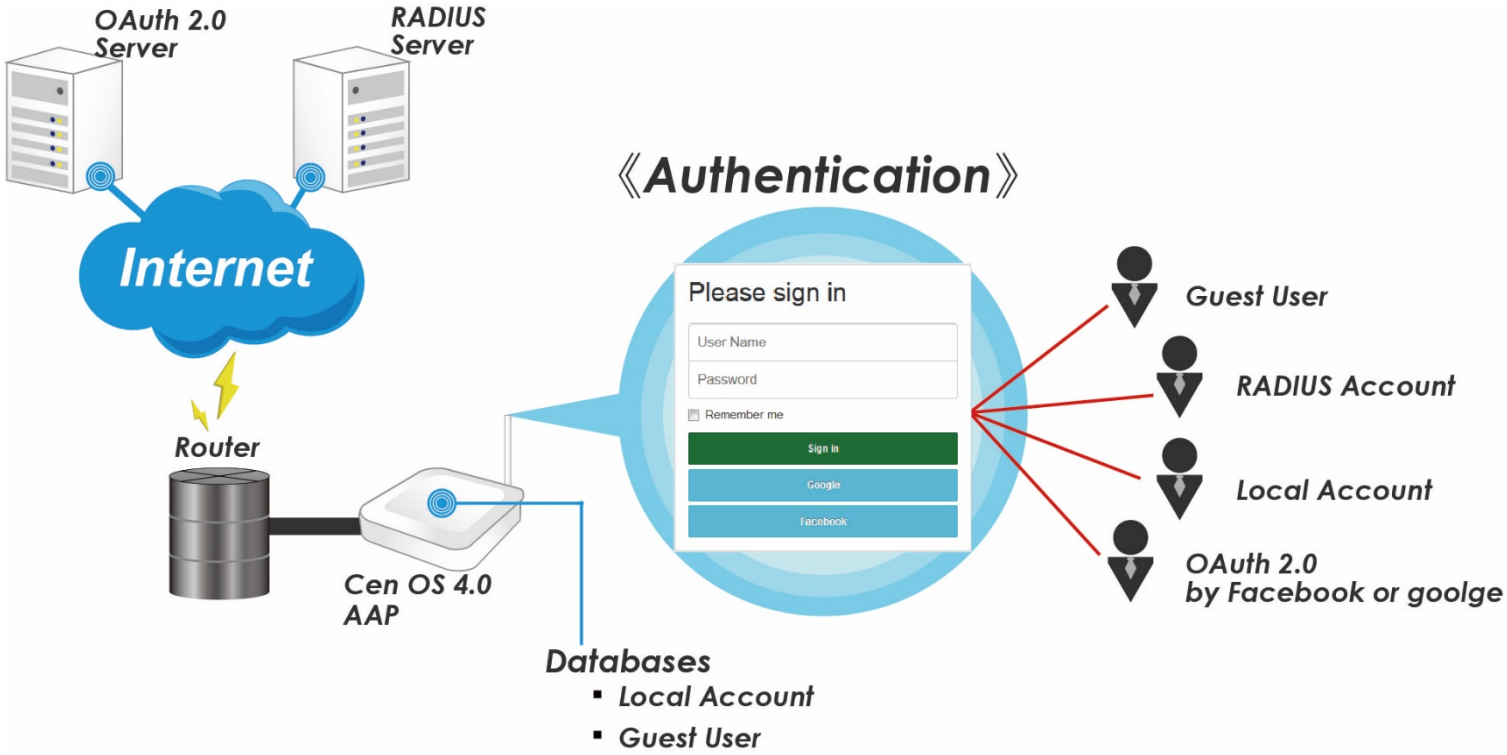
The customize page feature has a template function where administrators can make simple changes such as set content width and setup color scheme.



Disabling the Template feature in the Customize Page setup, administrators enable HTML Source Code customization.

AAP Guest Portal Authentication

This flexible service provides a set of location, browser, and user-specific information to the backend system to enable value added personalized service provided by the WISP. Detailed location information is available via HTTPs/XML interfaces. Web pages can be either stored locally on the OS or remotely on a guest portal server.



AAP Local User Accounts

Administrators can create up to 10 Local User Accounts for each VLAN to grant user authentication through a Local User ID name and password.

For networks operating without RADIUS server authentication protocol, or for users lacking Facebook or Google accounts, pre-established Local User accounts can conveniently grant user network access. However, these Local User accounts are limited to a maximum of 10 accounts.

AAP VLAN Tagging

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

AAP Mode supports up to **4096** Tags. This is a crucial feature that ensures successful directing of packet traffic for VLANs that span across multiple switches.

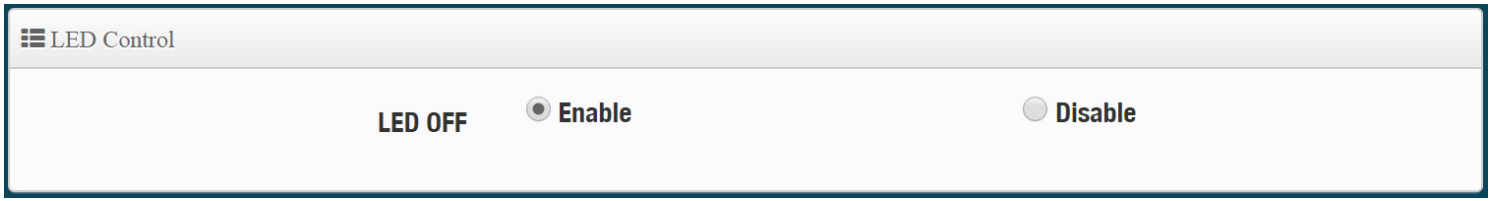
AAP Bandwidth Control

Bandwidth Control of Wi-Fi user allows administrators to control individual user upload and download speeds, as well as set a maximum limit on the total amount of bandwidth that can be used at a single time.

System Log & LED Control

Administrators can save system logs to remote servers through the **System Log Setup** feature. System logs are valuable for system management, security, and general information.

CenOS 4.0 is equipped with **LED Control** functions that allow administrators to turn On/Off the devices LEDs. This is especially convenient for indoor deployment, in situations where flashing LEDs may cause irritation.

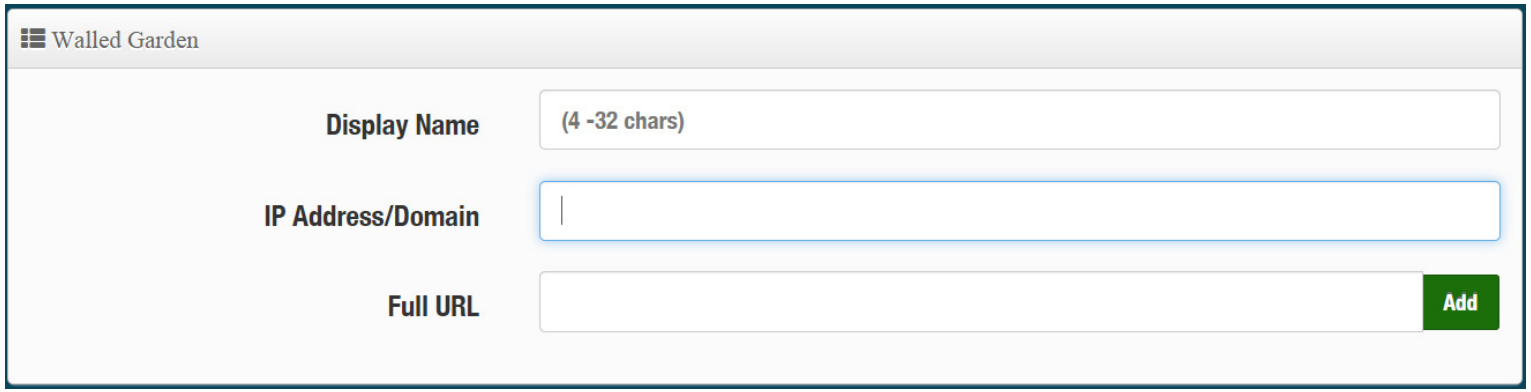


AAP Walled Garden

AAP Modes Walled Garden function allows administrators to create a browsing environment that controls user access and accessible information. This function is ideal for directing users to specific parts of the Web such as;

1. Paid Content
2. Self-Promotions
3. Limited Free Internet Service
4. Advertisement web pages before login and authentication

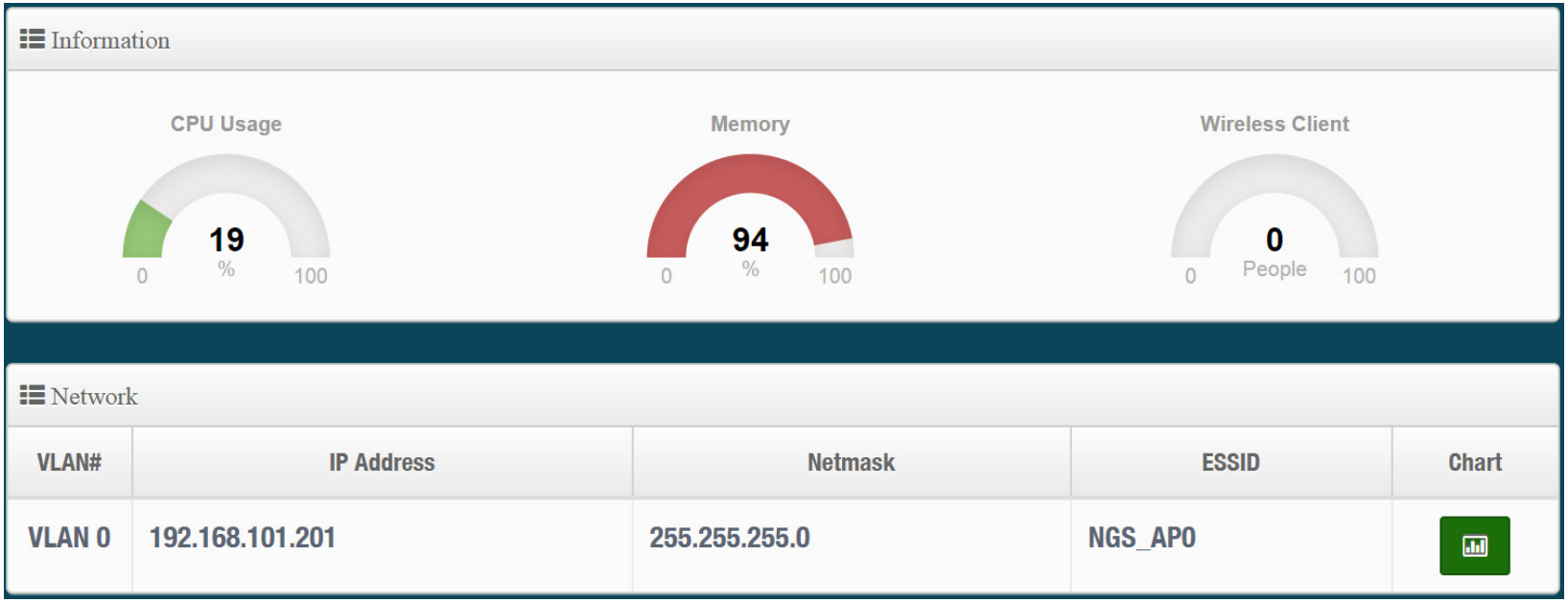
User without the network access right can still have a chance to experience the actual network service free of charge in Walled Garden URL list.



Thin Access Point (TAP) Mode

Thin Access Point Status Overview

When TAP (Thin Access Point) mode is activated, the software GUI will only display system statuses. Administrators must change the system mode of one NGS software AP to CAP (Control Access Point) Mode. This will allow the controller AP to change settings of all managed APs within the network.



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