CERIO

Amplify your Wireless Network

Introduction to
DT-400 A1

CenOS 5.0 Software Core

eXtreme 11n/ac, 2.4/5GHz 2x2 VLAN
Captive Portal Router with Access Point

Contents


File Transfers
HD Video Streaming
E-mail Sending
Web Surfing
Check E-mail
File Sharing
Viewing Photos
Online Meeting
File Download
HD Video Streaming
Online Chatting
2.4G WiFi Band
5G WiFi Band

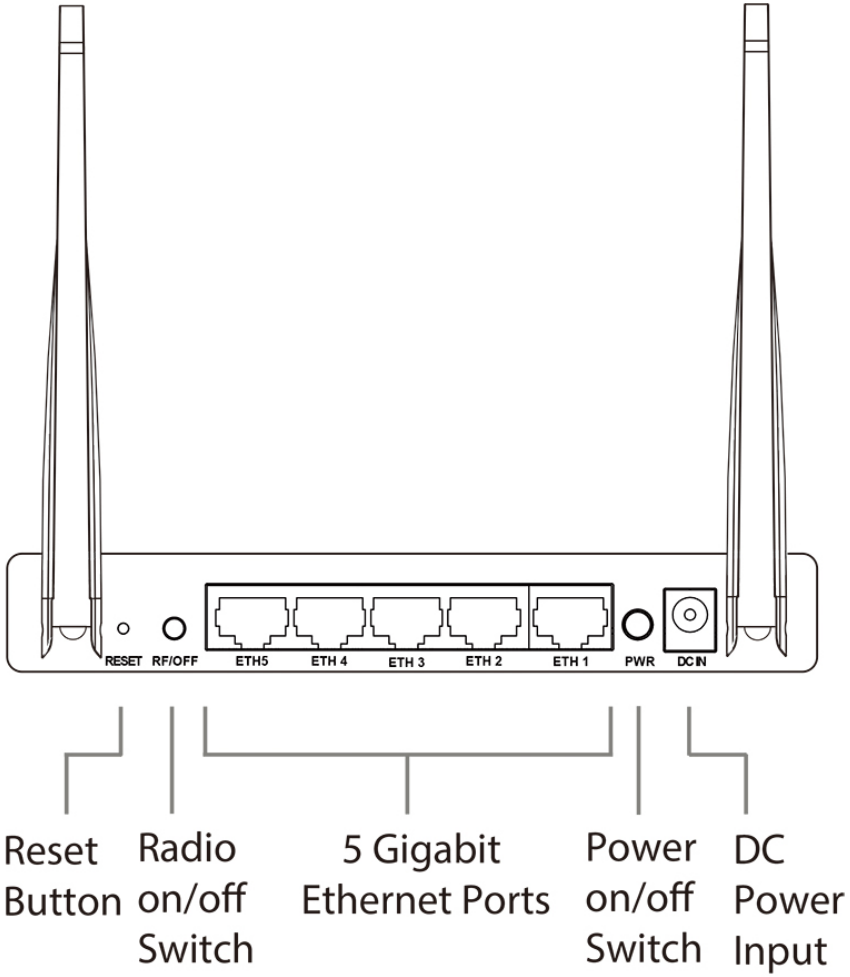
Product Overview

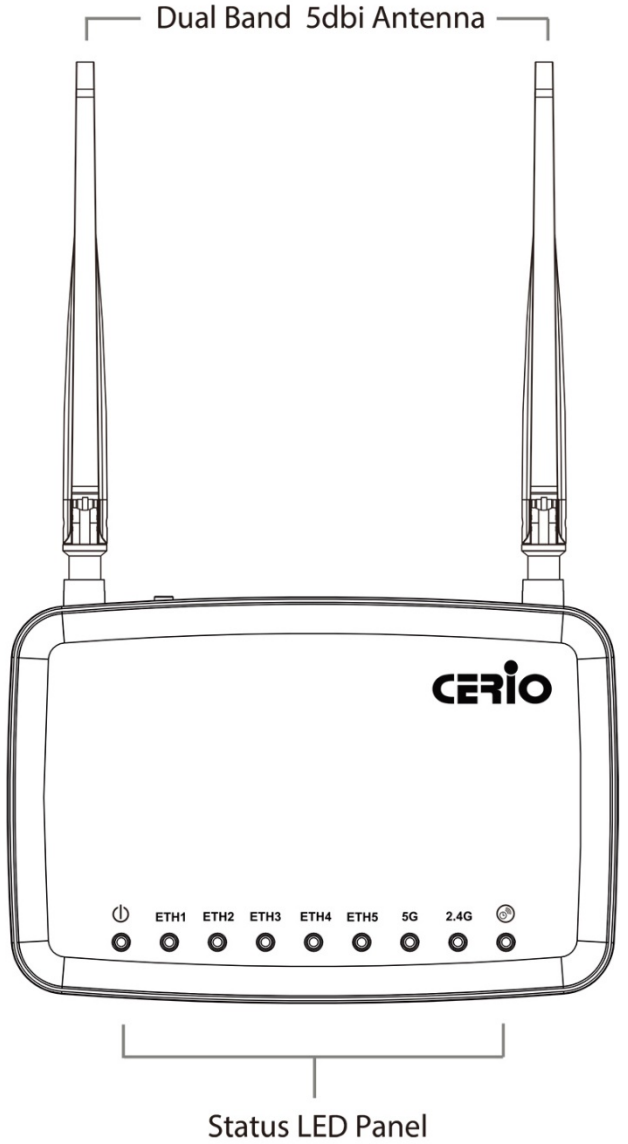
- **AC 1200** Wireless Dual Band Concurrent Access Point 2.4GHz Data Rate of up to 300Mbps)
- 5GHz Data Rate of up to 867Mbps
- Supports 2 external dual band Smart Omni-Antennas (2x2 for 2.4GHz and 5GHz radio)
- CAP Mode is Controller-less Access Point can centralize management of up to **64 units** of APs.
- Supports 5 Operation Modes (CenOS 5.0)
- 11ac chipset design provides enterprise grade CPU performance, allowing the device to handle up to **100** concurrent clients.

Advanced Features

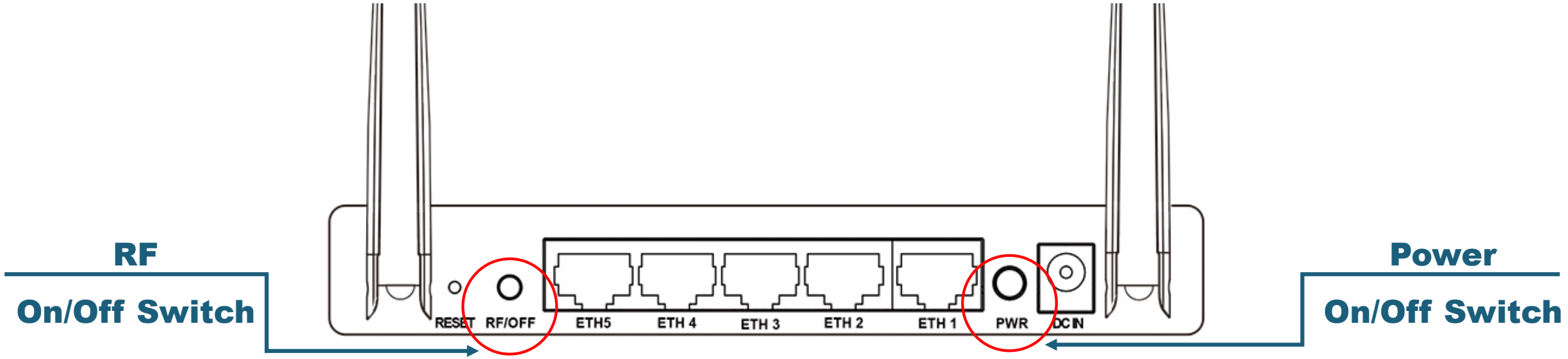
- Supports up to **100 concurrent users**
- Supports **802.11ac/11n/11an/11bg** wireless standards
- Operation modes include: Controller-less Access Point (CAP) Mode , Access Point Mode,Client Bridge and WISP / CPE Mode with Repeater function, VLAN Router AP Mode
- VLAN Router **built-in 8 VLANs** routing of 802.1q tag, different services rights can be configured for different VLANs
- Supports **5 Gigabit Ethernet ports**, administrator can change 1WAN/4LAN or 5 LAN
- Built-in **Time Policy function** can set multiple times schedule apply to RF on/off and IP/MAC filter or other security function.
- Incorporates **802.11r/k Fast Roaming** Protocol

Hardware Overview





Versatile Hardware Design



CenOS 5.0

Powerful Performance

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Ideal Deployment

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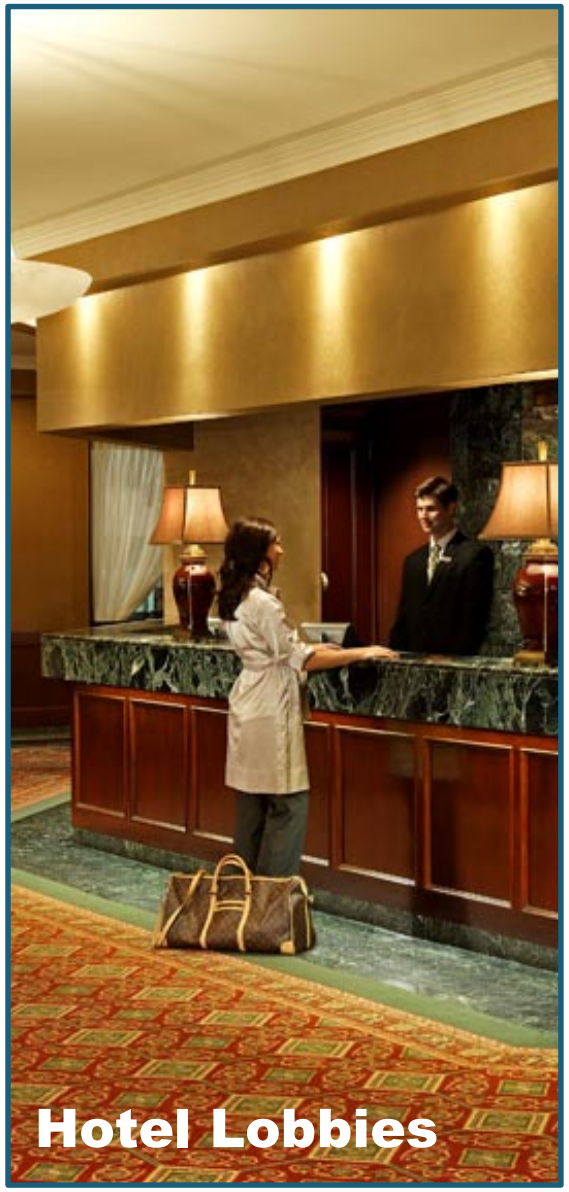
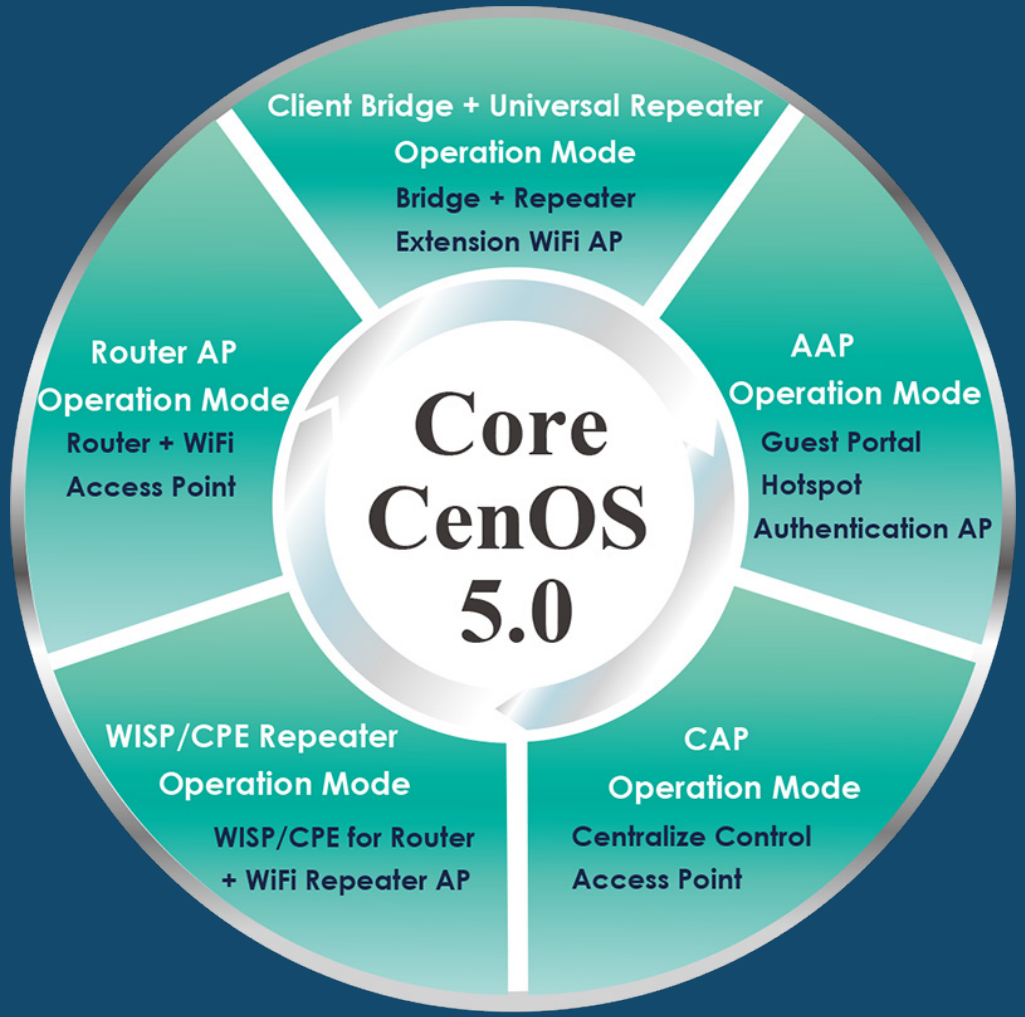


Software Overview

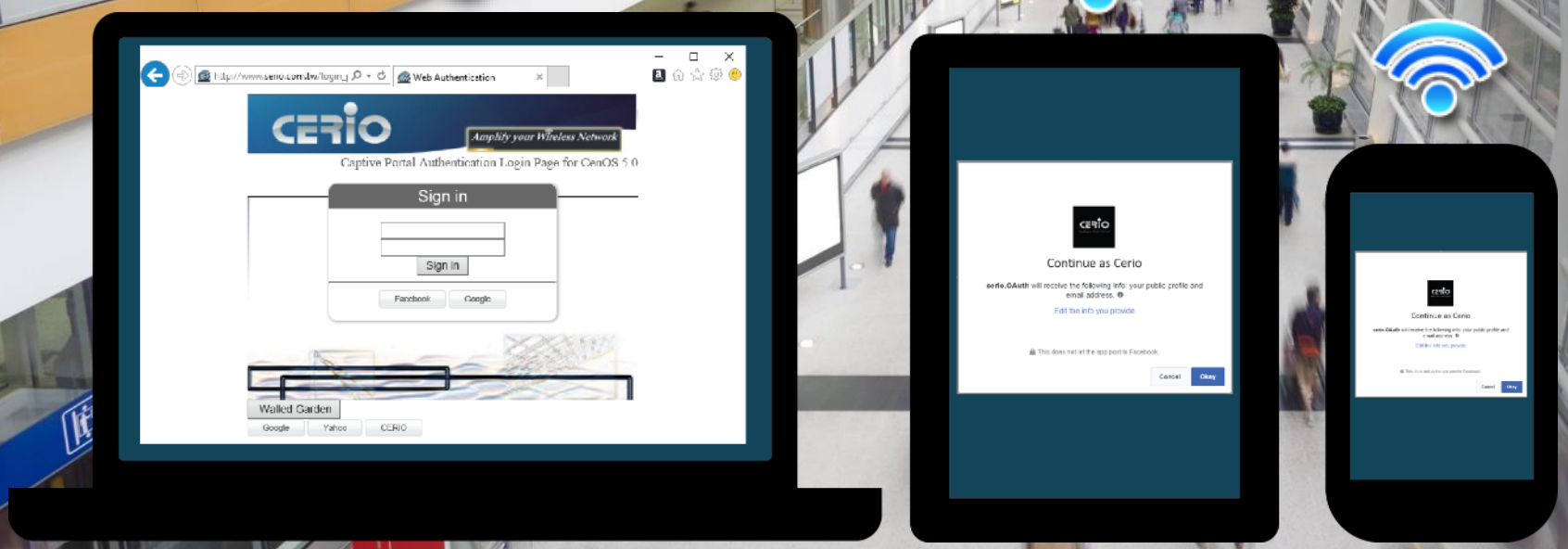


Only Cerio's special model supports CAP / Router mode

CenOS 5.0

Captive Portal Authentication

Captive Portal Authentication conveniently allows wireless clients to access the network through a customized web login portal.



Administrators can deploy a customized Captive Portal with the following login methods

1. Guest Login
2. Local Account Login
3. OAuth2.0 Login (Facebook/Google/etc.)

Local Account Login

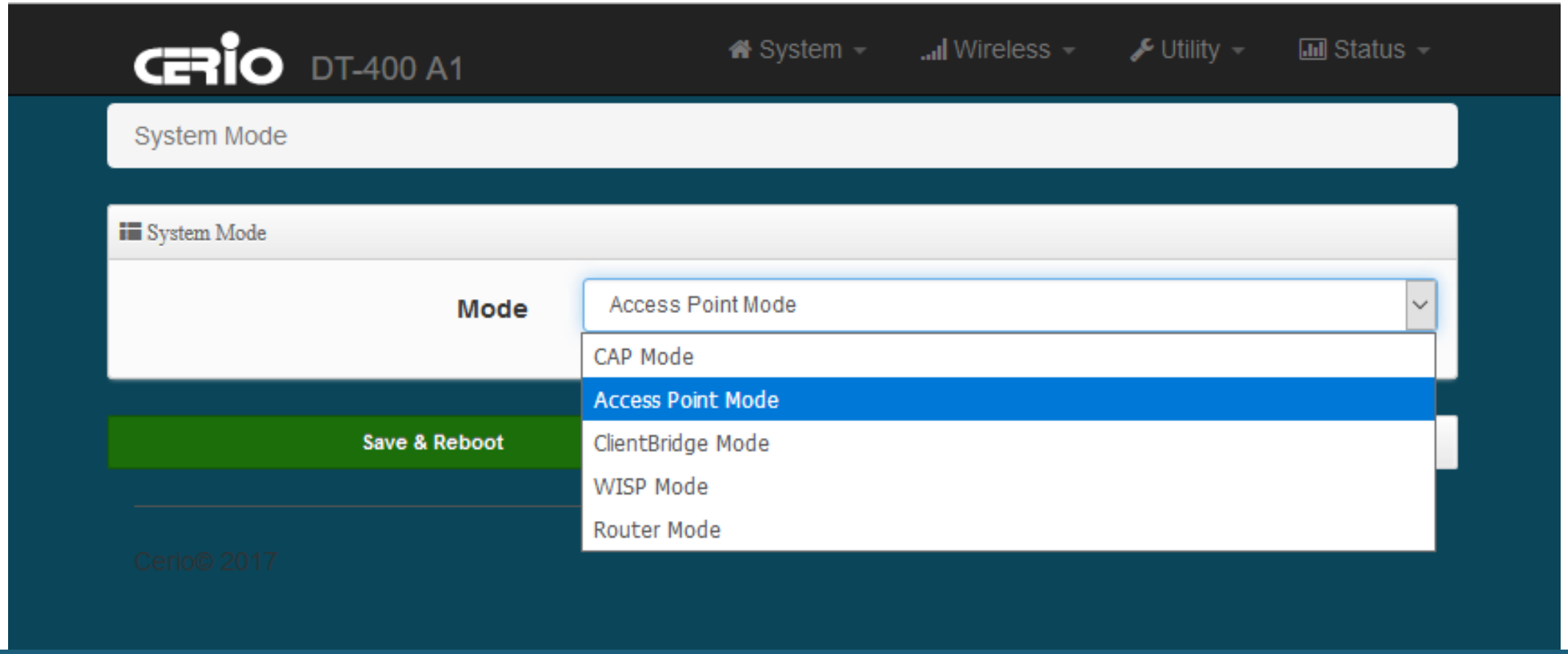
Facebook Login

Integrated AP Management

Captive Portal Authentication

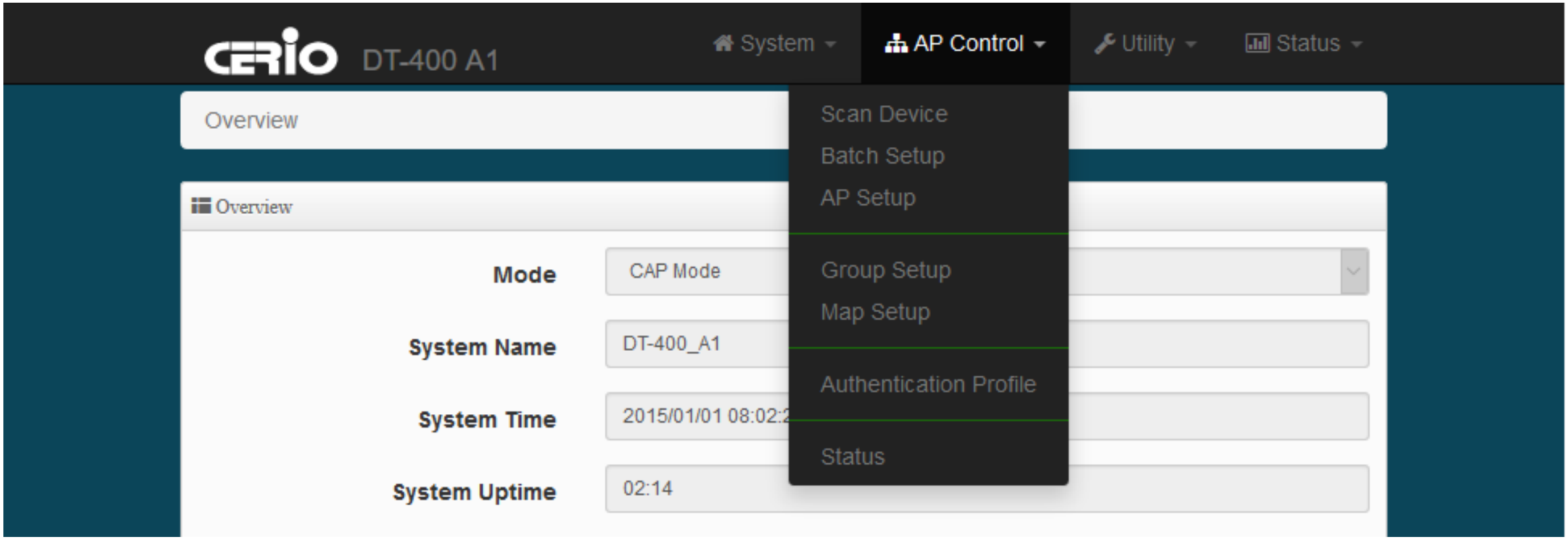
Operation Modes

DT-400 A1 supports Operation Modes including: Controller-less Access Point (CAP) Mode , Access Point Mode, Client Bridge and WISP / CPE Mode with Repeater function, VLAN Router AP Mode.

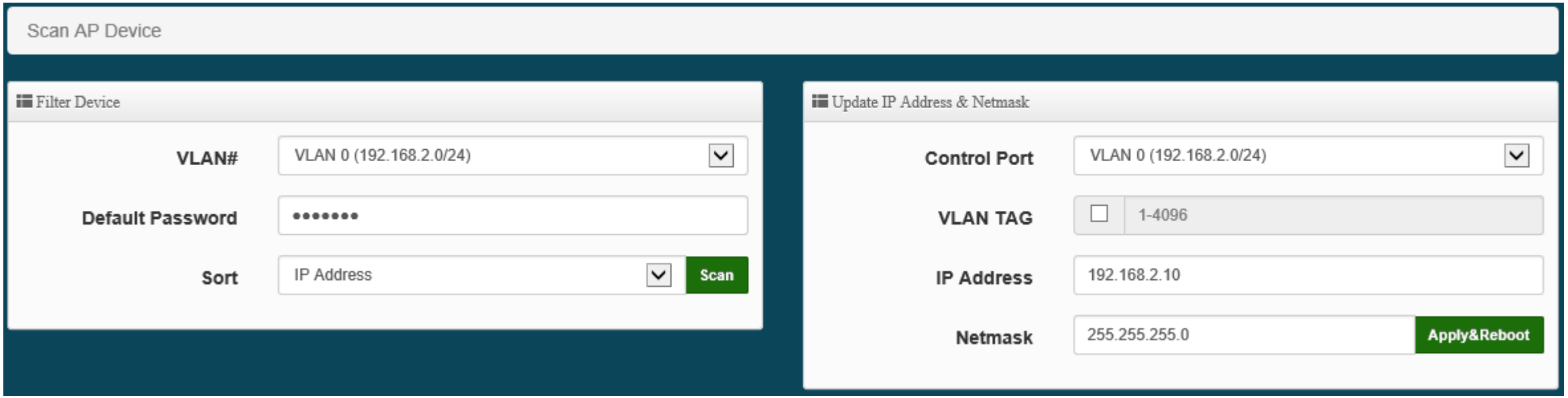


Control Access Point

Control Access Point (CAP) Mode's converts the device into a centralized AP management controller. When DT-400 A1is in CAP Mode, it can centrally manage up to **64 AP devices.**

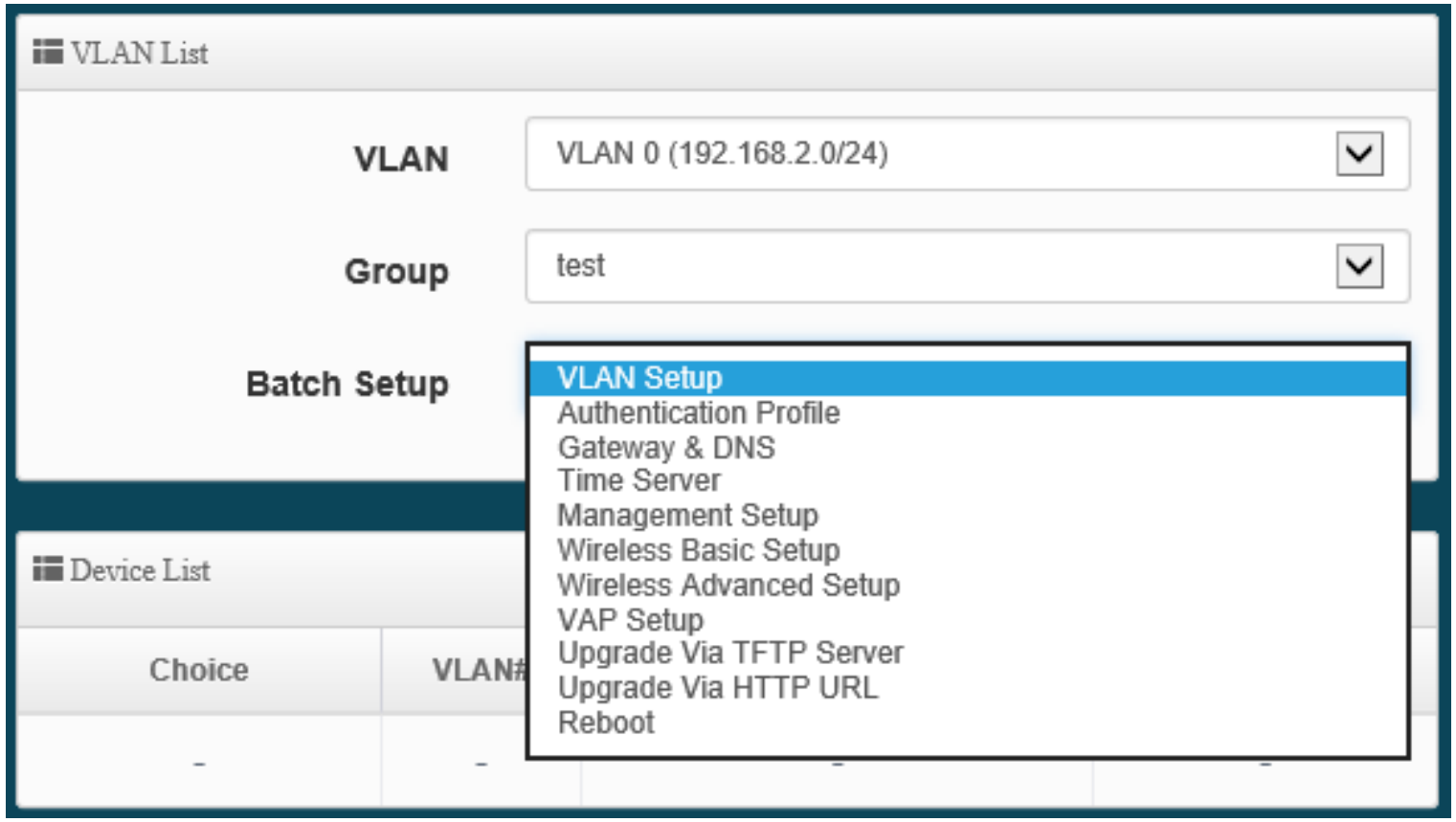


Scan and Import



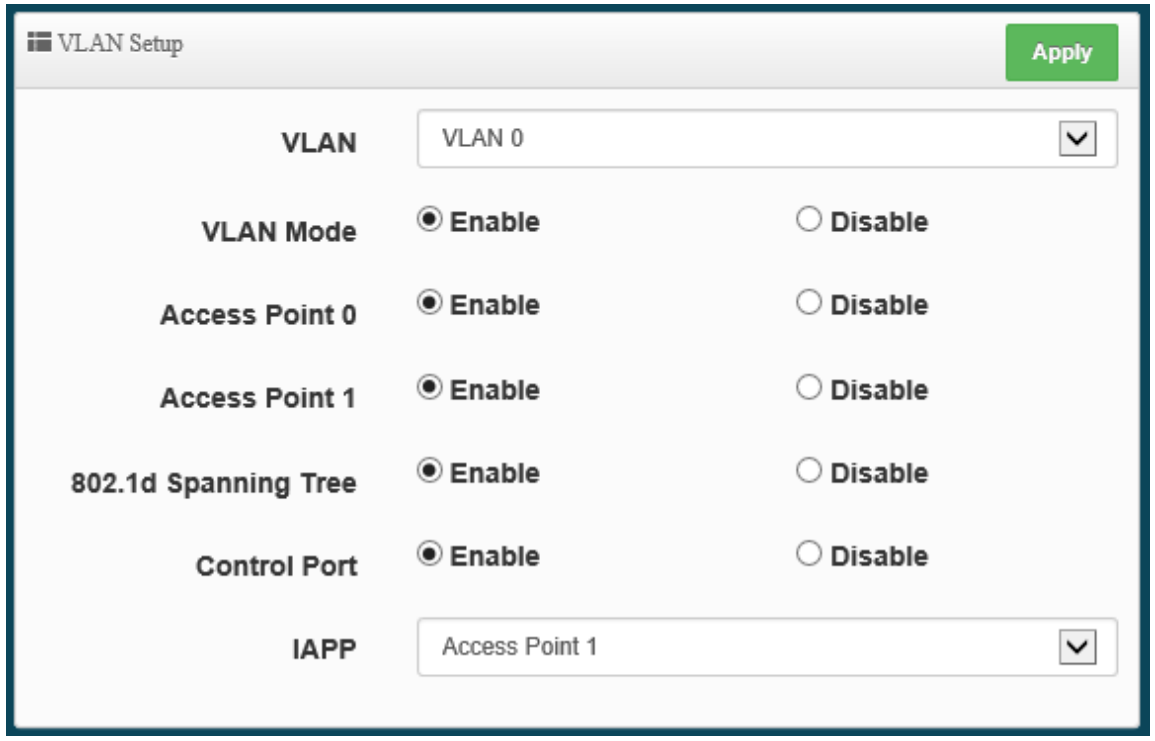
CAP Mode allows administrators to scan for AP devices within their virtual LAN and import them into the management database. Once imported, administrators can make quick changes such as changing IP addresses for organization and easy management

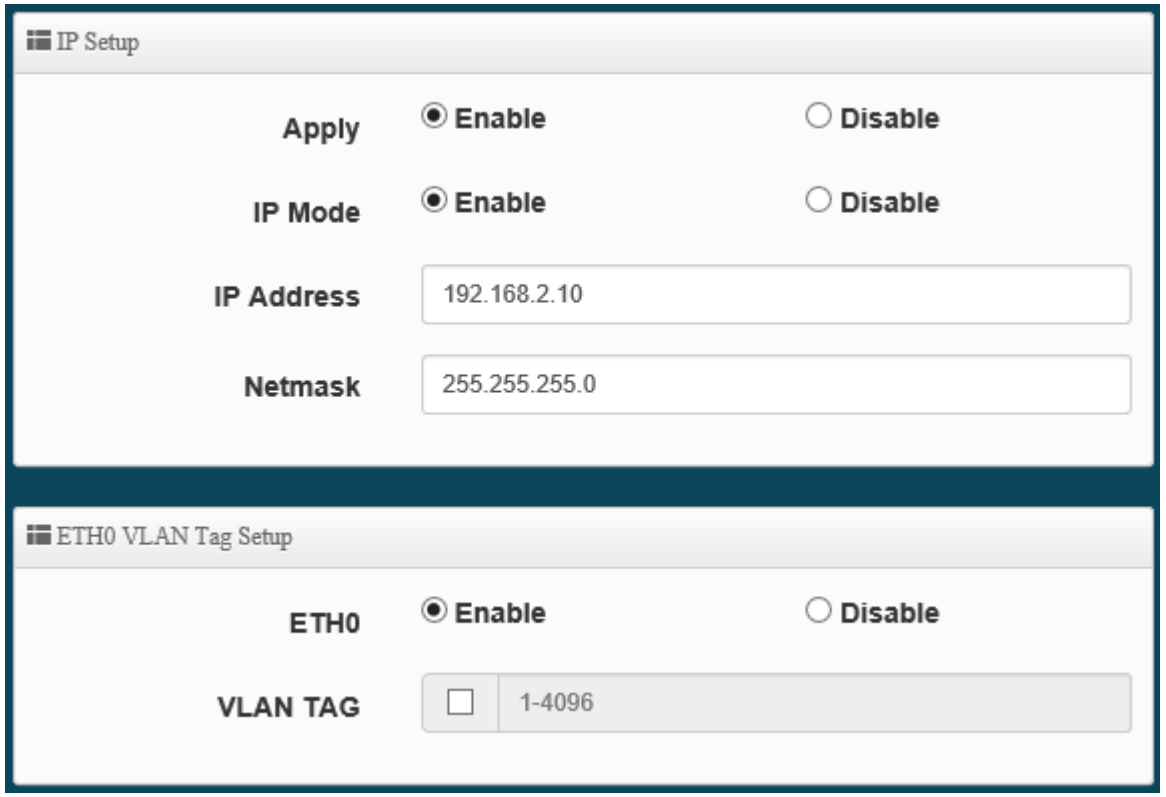
Batch Setup



CAP Mode's control function supports centralized configuration of managed APs. This allows administrators to make convenient batch changes to the network of AP devices from one centralized location. This main function of CAP mode can save time and cost by reducing servicing and installation time.

Batch Setup

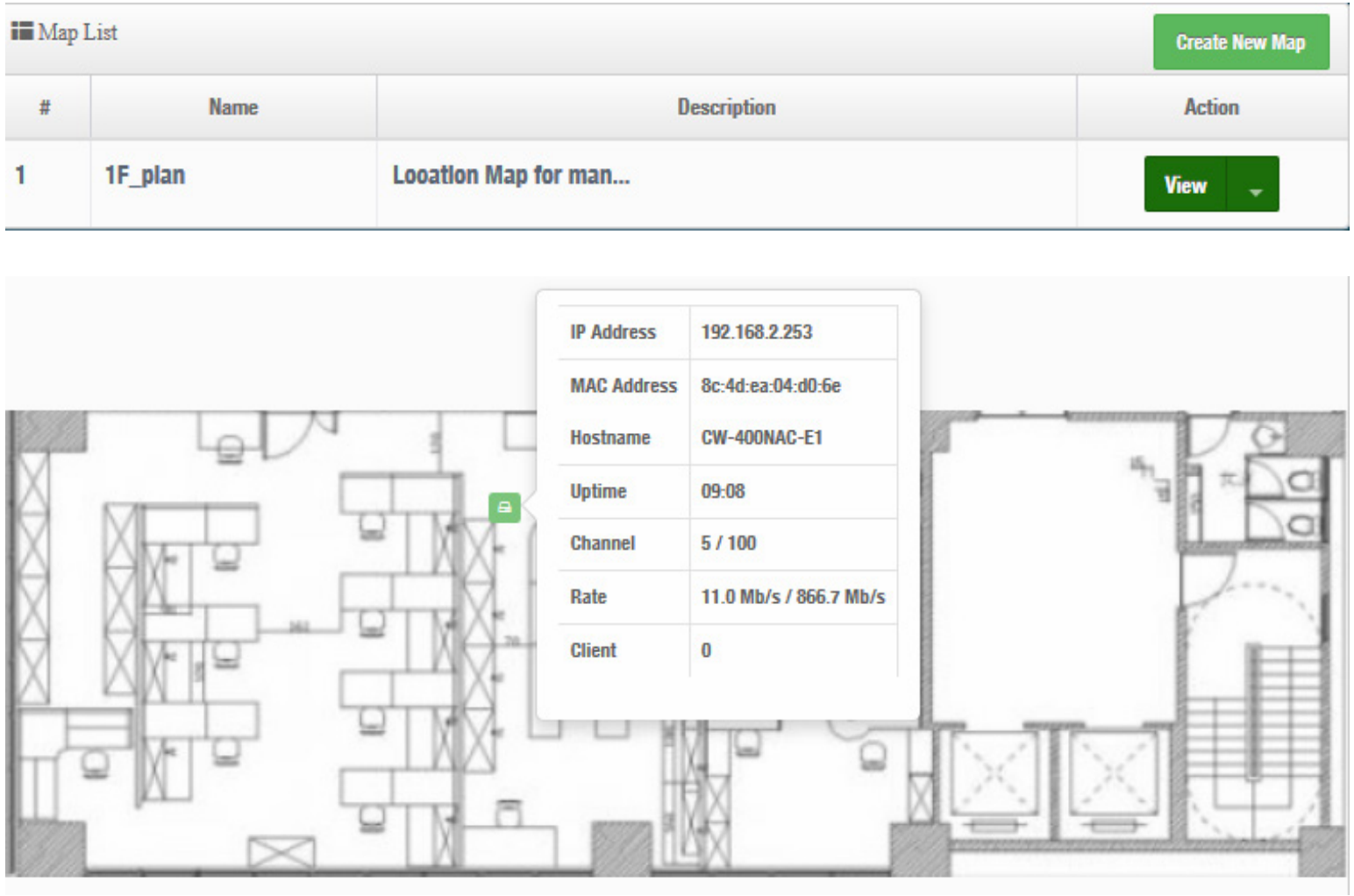




Administrators can enable VLAN Mode, Spanning tree, Control Port capabilities, IAPP Roaming, change IP settings and setup VLAN tag for batches of access points. These changes can be implemented differently for each VLAN, allowing for both centralized and organized control.

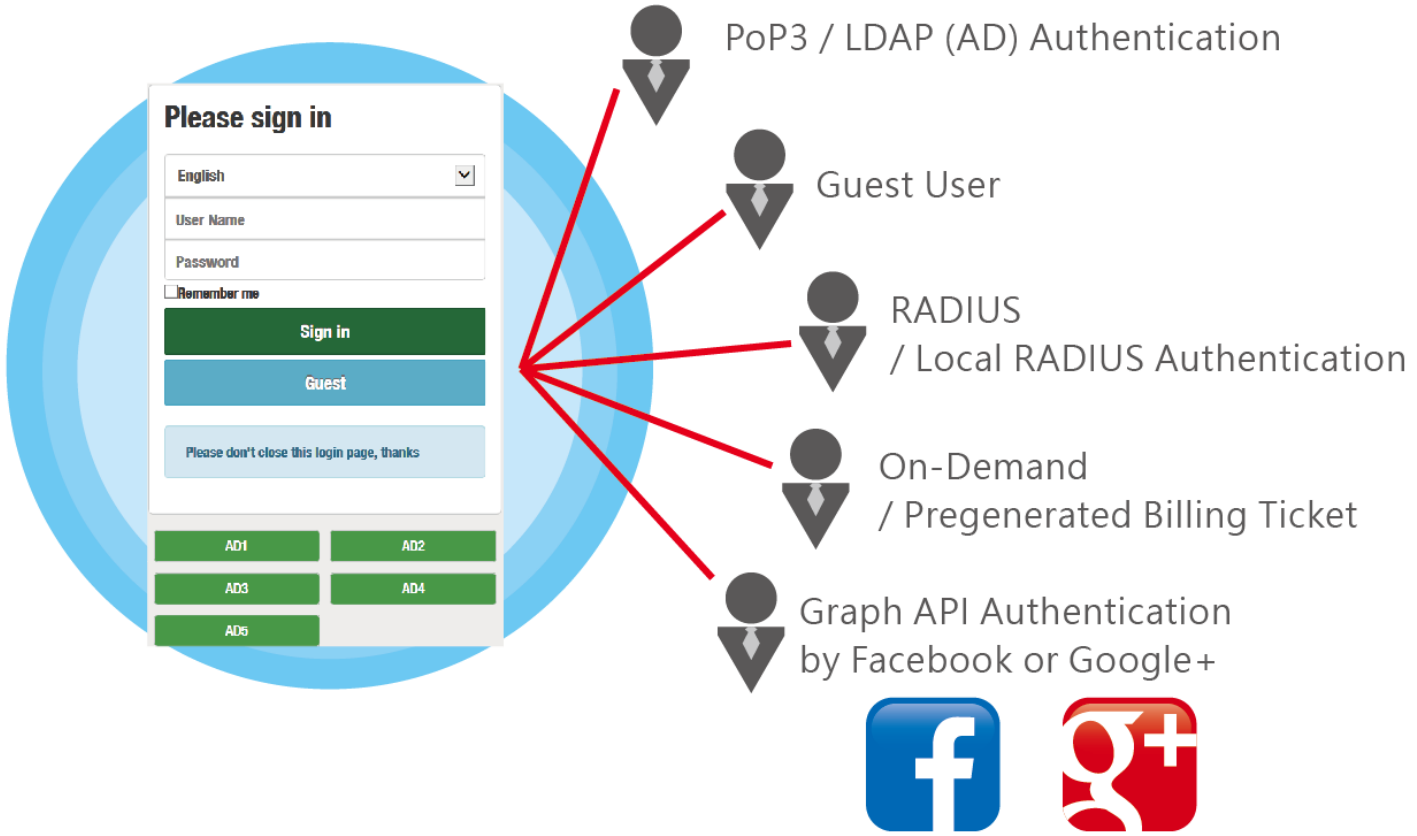
Map Setup

CAP Mode also supports Map Setup function for organizing your AP network. Administrators can create maps by uploading floor plan URLs and dragging APs to the correct location. Once complete, administrators can monitor AP statuses such as uptime, data rates, and connected clients



Authentication AP

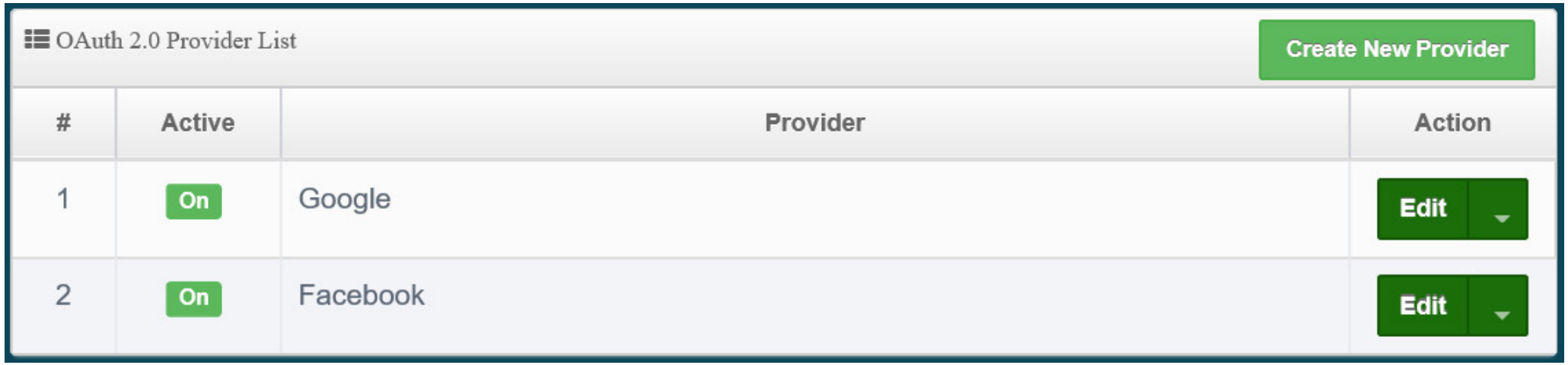
CenOS 5.0 supports Authentication Access Point Mode for versatile AP deployment. Administrators can choose from many authentication options built-in Facebook and Google authentication of Third-party OAuth2.0. to best suit their network needs.
This enables convenient access to the wireless network for public clients, as well as improved management and organization for network administrators



Authentication

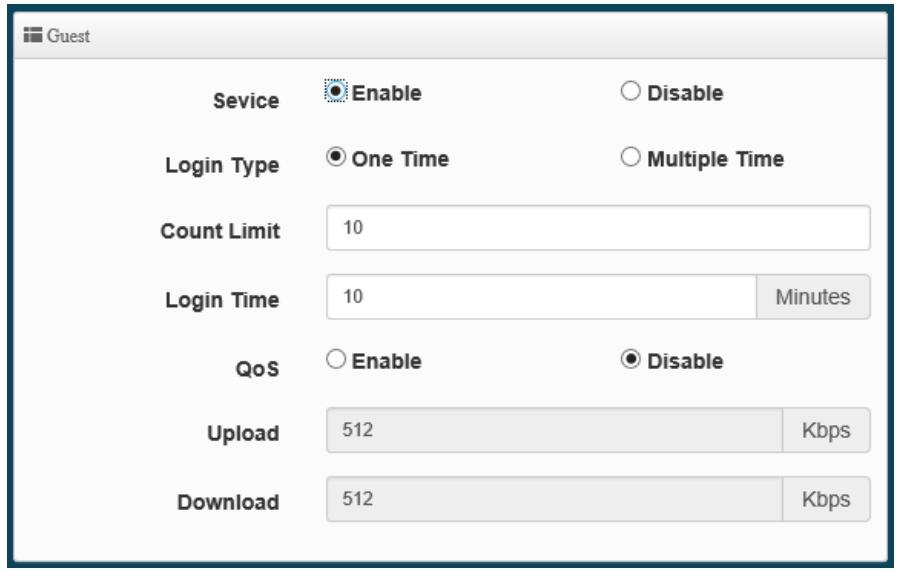
CenOS 5.0 supports multiple methods of authentication for user management, security and convenience.

OAuth2.0 : Allows devices to use third-party credentials such as Facebook and Google+ for user authentication. This provides login convenience for public clients and also allows administrators to collect data through Facebook / Google analytics.

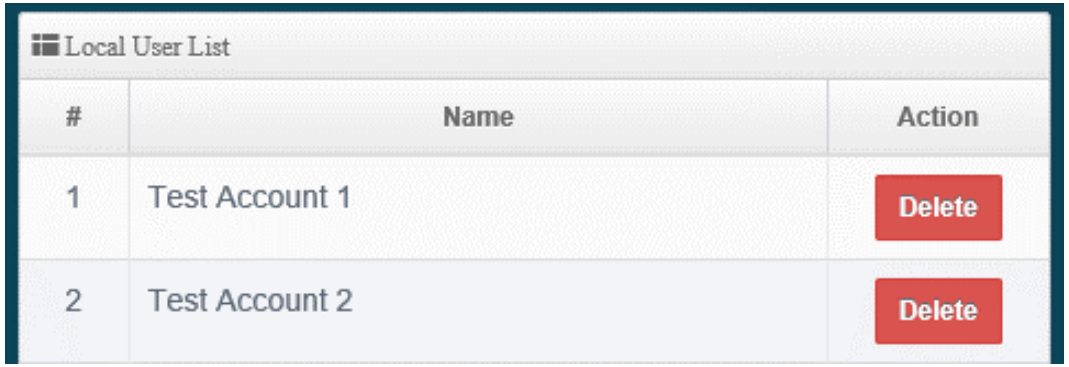


Authentication

Guest Login : Provides limited Wifi connection to clients to an open network. Limitations can be put in place to manage client limits, connection time, and control bandwidth



Local User: Provides fixed authentication user accounts for controlled client login and data management. Administrators can track Local Account usage, connection time, etc. CenOS 5.0 supports up to 10 Local User accounts



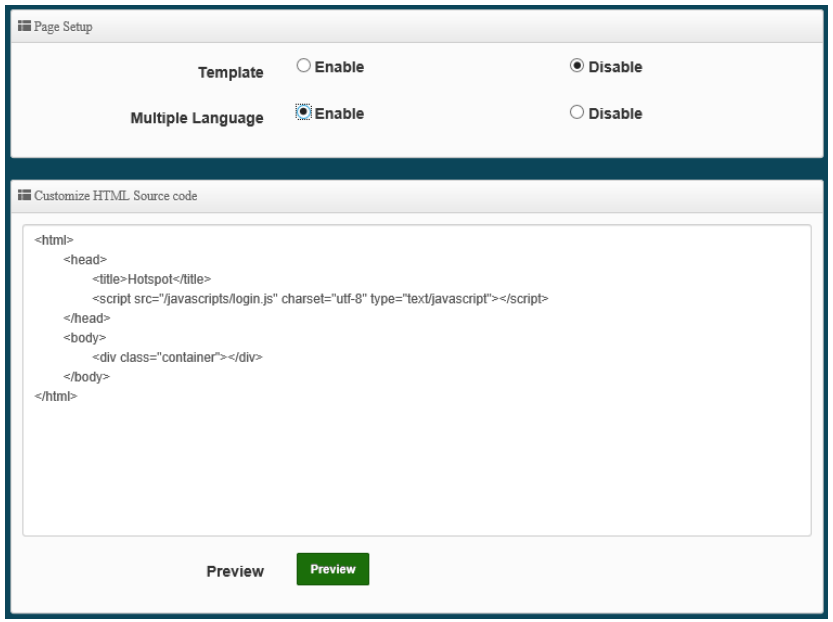
Customized Login Page

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

(1.) Promotions **(2.)** Brand Exposure **(3.)** Advertisements **(4.)** Platform for providing Information

This customized Captive Portal supports login through **1.** Guest Users **2.** Local Accounts **3.** Facebook, Google+, etc using OAuth2.0.

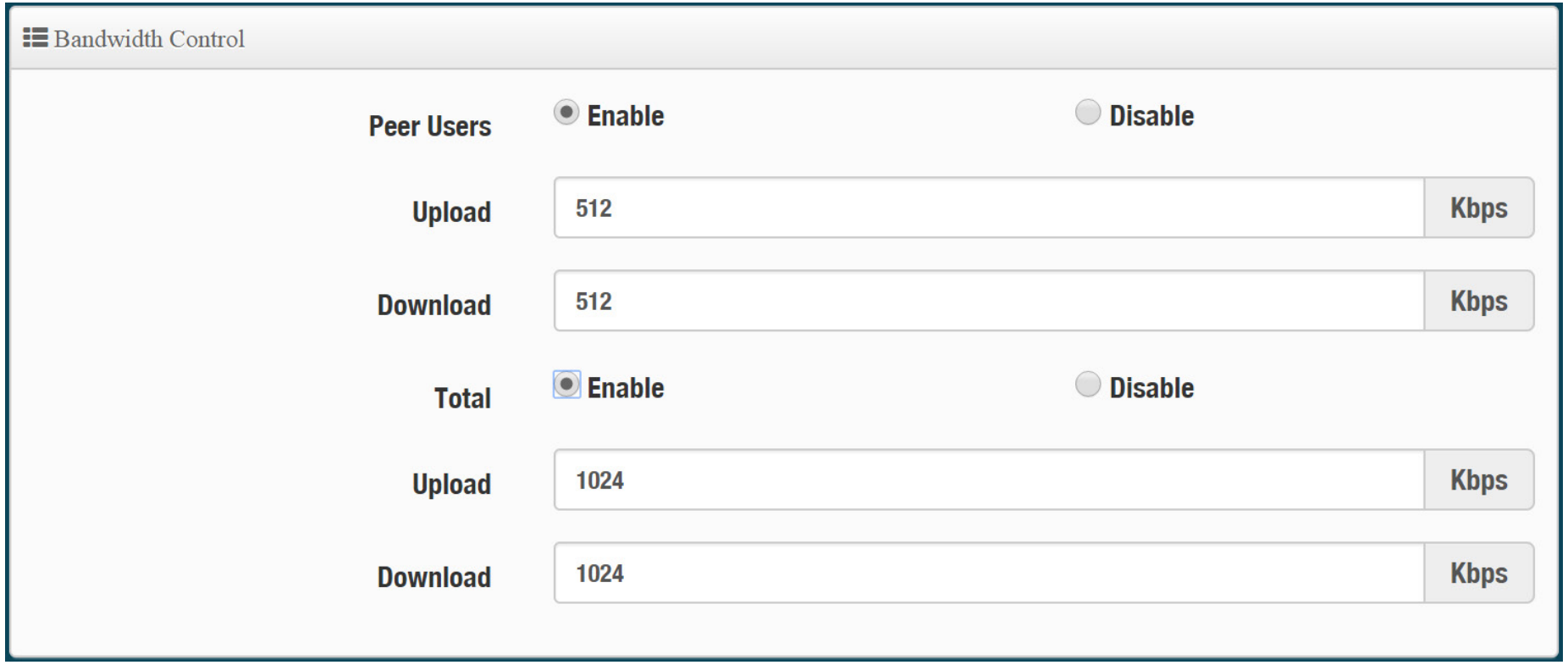
Customized Login Page



Customize through HTML Code

Bandwidth Control

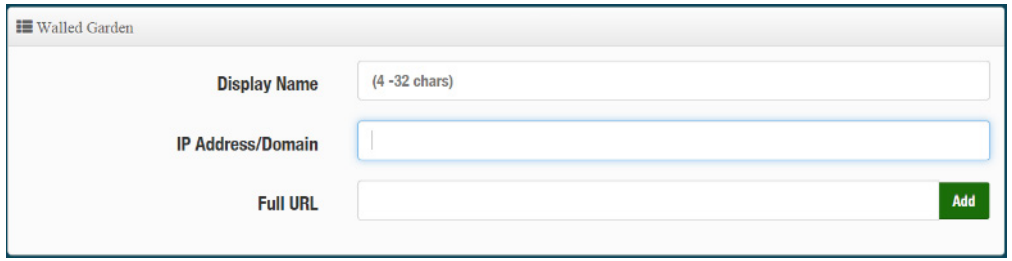
Bandwidth Control of connected clients allows administrators to control individual user upload and download speeds, as well as set a maximum limit on the total amount of bandwidth that can be used at a single time.



Walled Garden

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. Free access to specific websites
4. Advertisement web pages

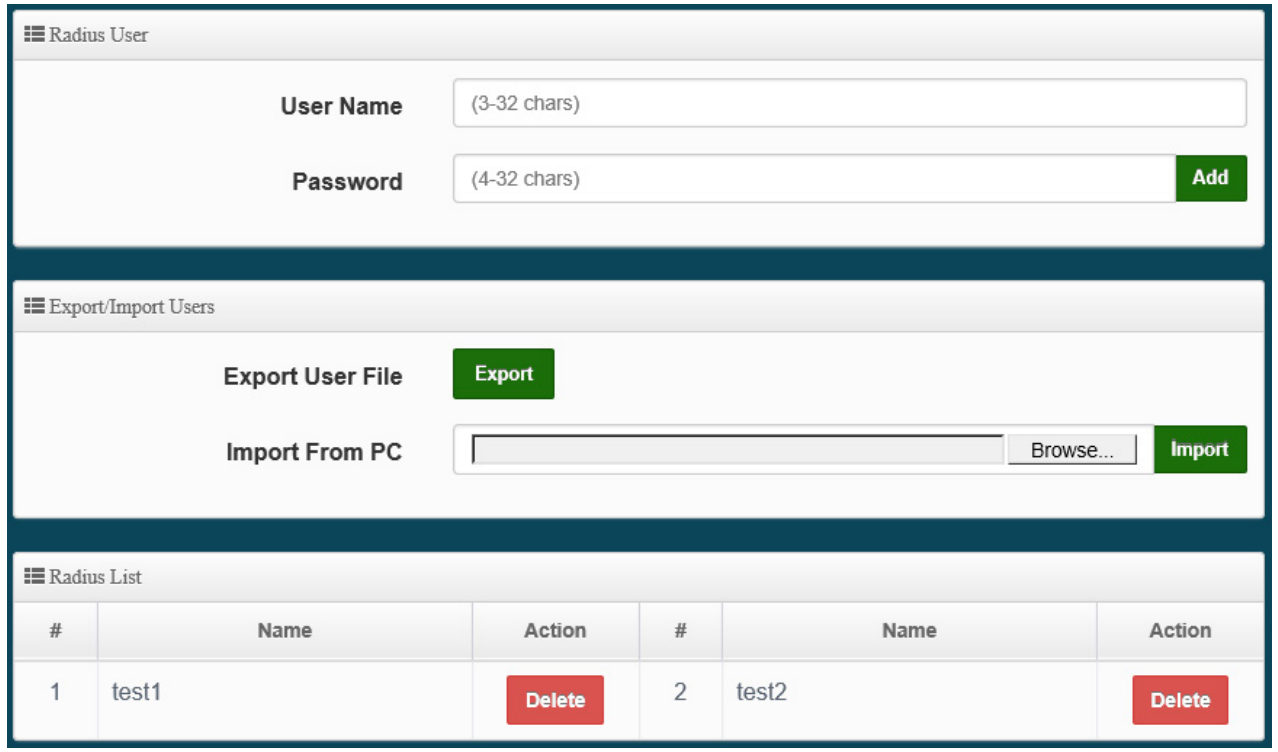


Enabled Walled Garden Websites

CenOS 5.0

Built-in 802.1x RADIUS

Supports integrated 802.1x RADIUS Server authentication for small to medium network environments. This supports a maximum of 50 built-in RADIUS Users.

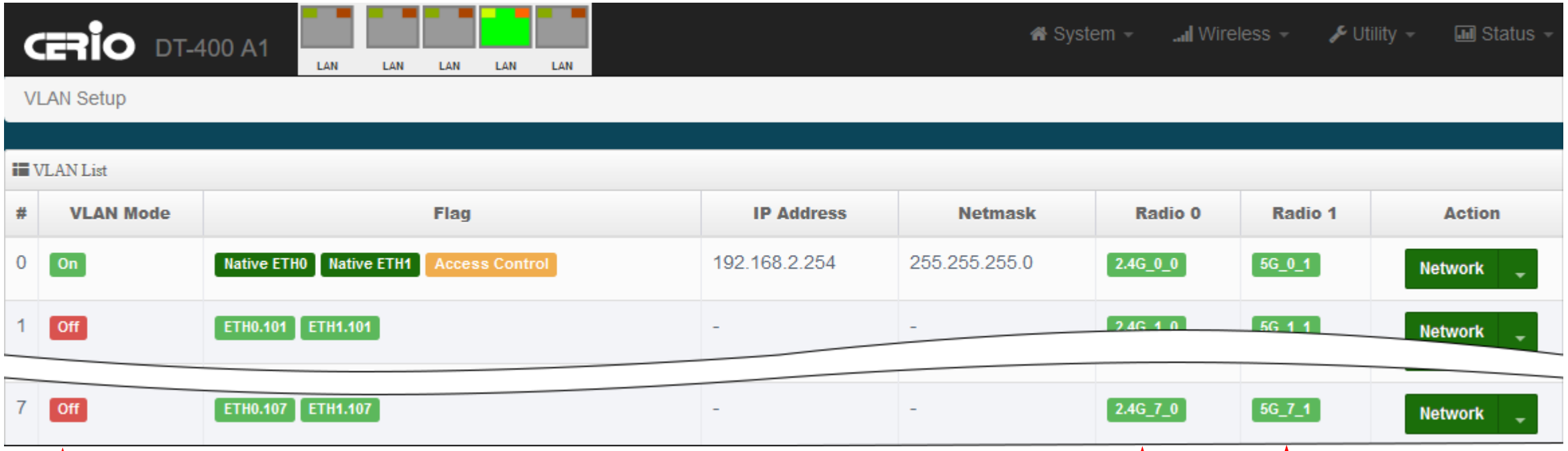


Increased Security- Individual user sessions are encrypted uniquely, which prevents other users from acquiring private information

Cost Efficient – The built-in RADIUS server design removes the need to purchase additional equipment such as external servers.

Virtual LANs & SSIDs

DT-400 A1's Dual Band radio design supports a total of 8 Virtual LANs (VLAN) and 16 ESSIDs. Each VLAN supports two SSIDs, one on the 2.4GHz frequency band and one on the 5GHz frequency band.

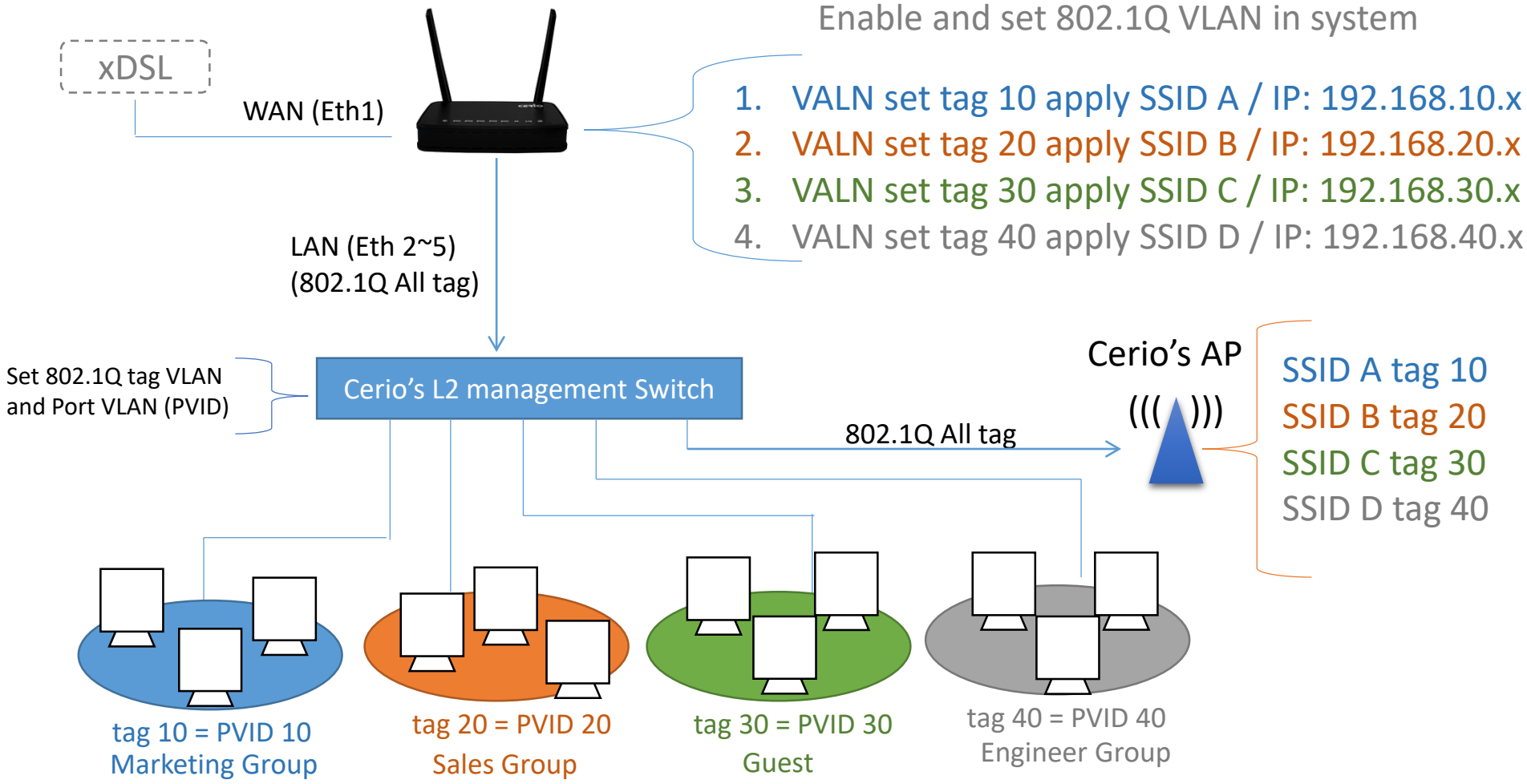


Supports 8 VLANS

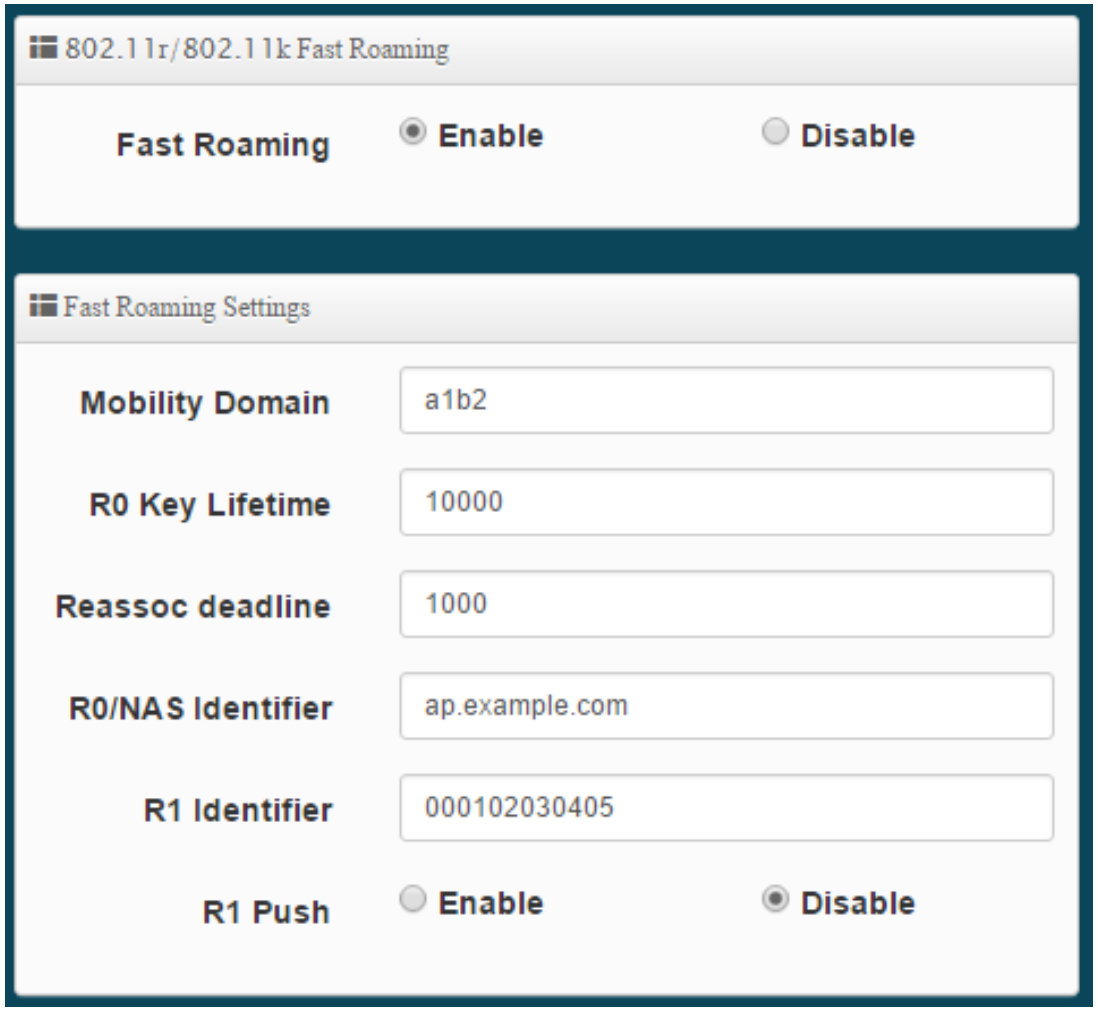
Each VLAN supports 2 ESSIDs, one for 2.4G and one for 5G

VLAN Router Application

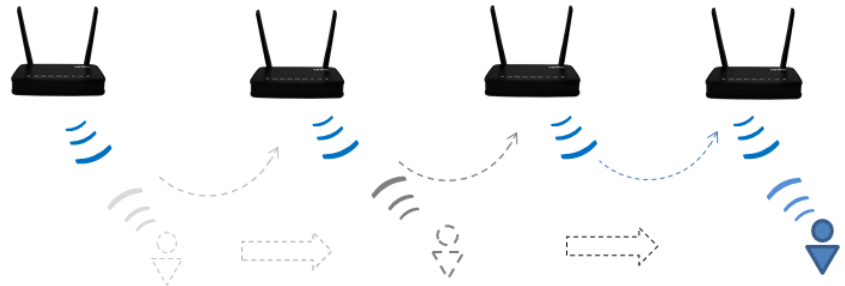
Enable multi-VLAN application for VALN Router



Fast Roaming

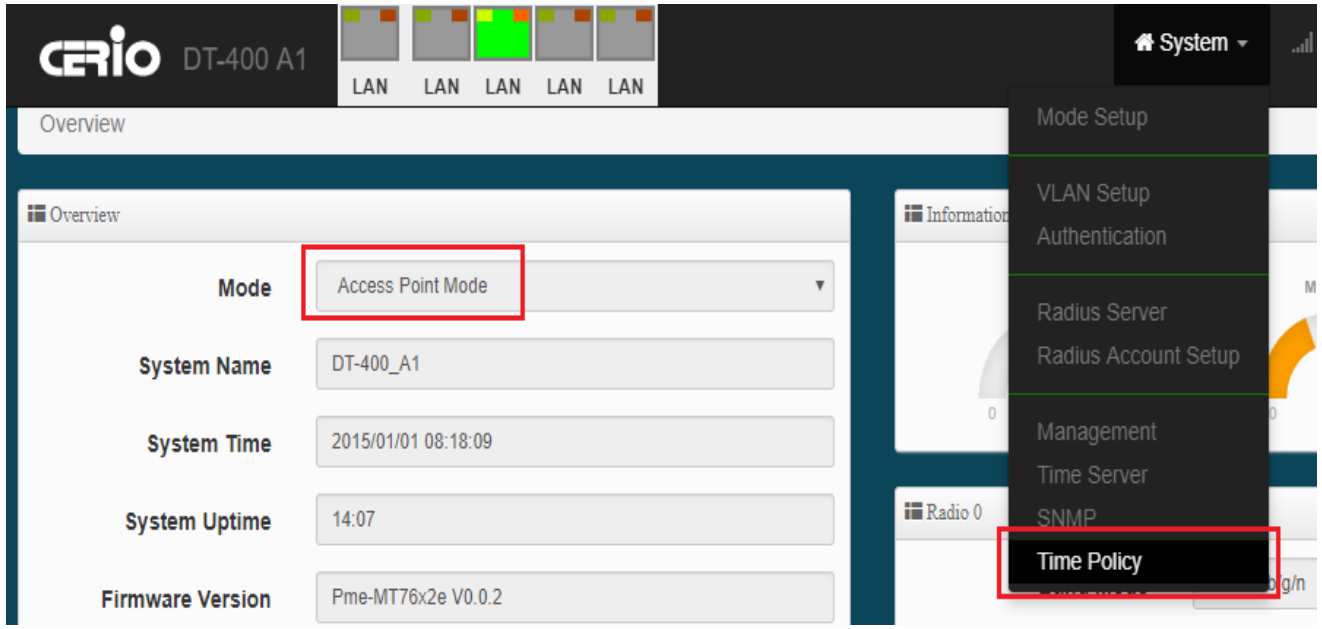


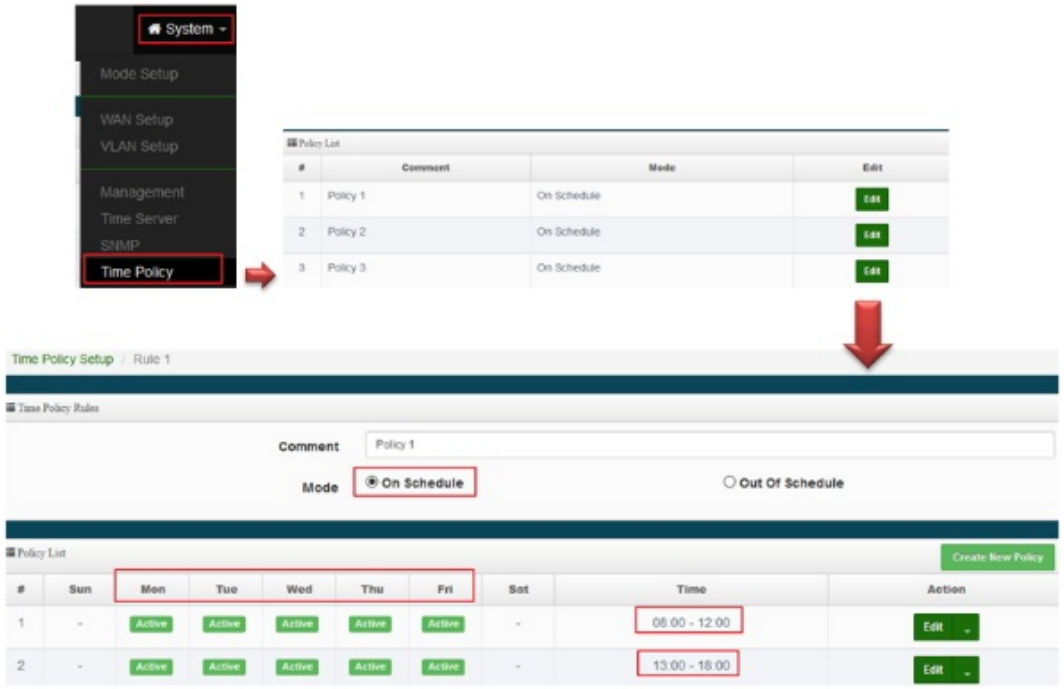
802.11k- Smartly provides roaming client with information regarding nearby APs and their channels, which prepares the client for easier roaming.



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.

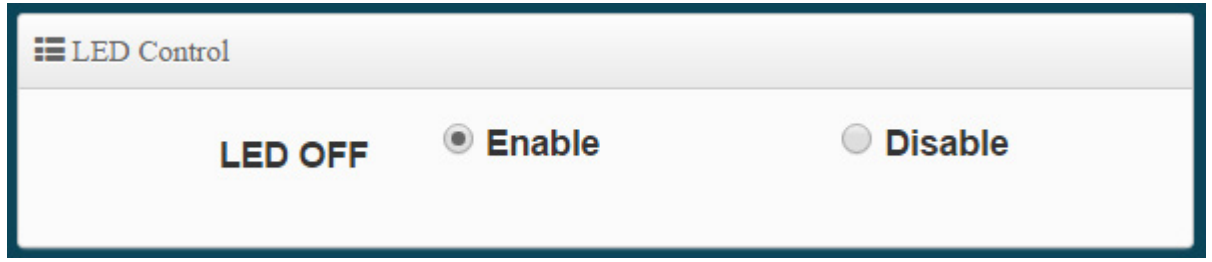
Time Policy



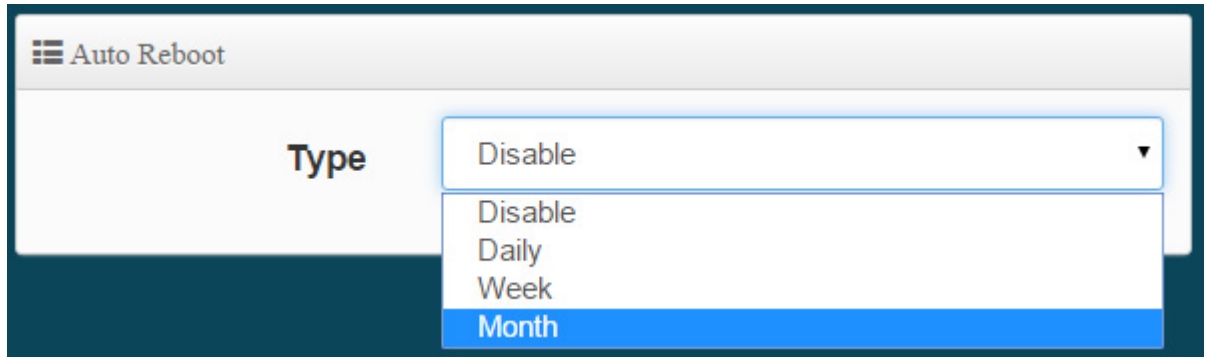


The administrator can set the Time Policy function to manage and control the Internet enable time. It is very suitable for the school to control and management students use internet time.

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.

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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