



Product Overview —





- ➤ 1000mW at 2.4Ghz eXtreme High Power Access Point
- > Supports bandwidth of up to 300mbps
- Supports 5 Operation Modes (CenOS 5.0)
- > 2x2 Built-in 2.4Ghz 10dBi Directional Antenna
- ➤ Two 10/100Mbps Fast Ethernet Ports
- ➤ IEEE802.3af/at compliant **Passive PoE** Design
- Water resistant IPX6 Housing
- Integrates a long-range power amplifier and high sensitivity receiver to deliver unmatched reliability and performance at large coverage application
- Supports PoE Bridge (Passthrough)

Advanced Features—— CER



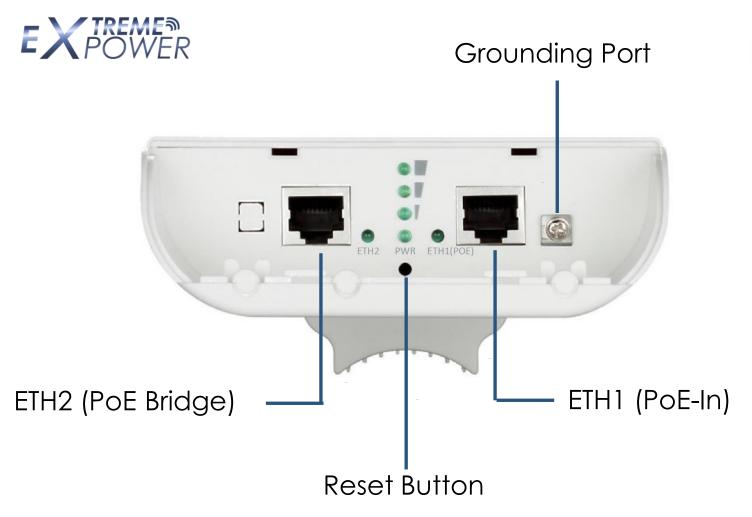
- ➤ Supports 802.11n/11g/11b wireless standards
- Operation modes include: Router Mode, AP with WDS Mode, Control Access Point Mode, Client Bridge Mode, and WISP Mode
- Can broadcast up to 8 SSIDs, all of which support VLAN tagging
- Control Access Point mode can centrally manage up to 16 AP devices without the need for an additional AP Controller
- > Supports Captive Portal Authentication for easy client login
- > Supports OAuth2.0 for user login through Facebook/Google+
- ➤ Integrates 802.11r/k Fast Roaming Protocol
- > Supports Ping Watchdog feature, the OS smartly reboots the system before a major crash.



EXTREME

Hardware Overview-







Pole / Wall Mount

PoE Bridge Application — CERIO

CERIO's DT-300N v2/A4 utilizes PoE Bridge

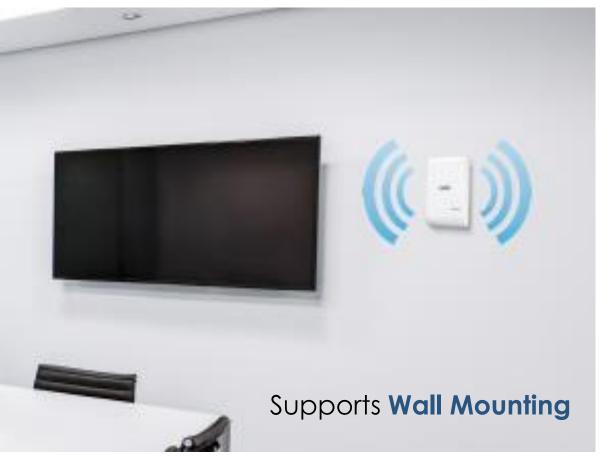
Conveniently supply both power and data to subsequent APs/Devices (IP Camera, VOIP) through the PoE Bridge Function. This allows for convenience in structuring your network infrastructure, eliminating the need for additional power cables.



Mounting Options-







Mounting Installation —

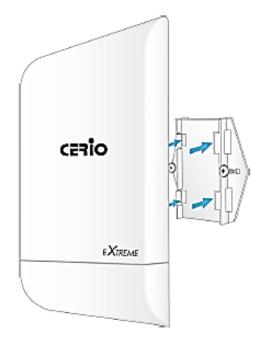






Easily mount device onto poles using provided self-locking cable ties

Wall Mount: Step 1



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

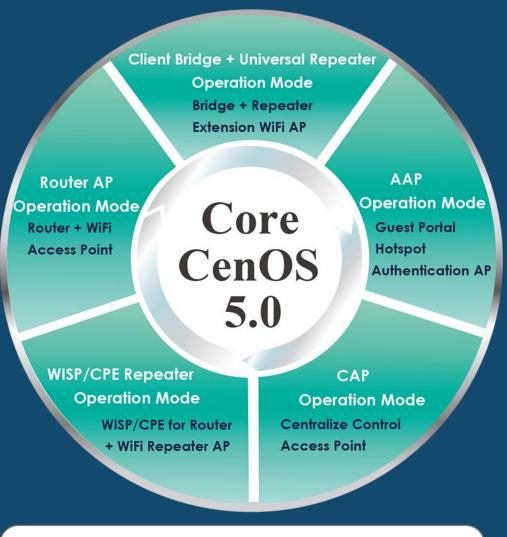
Wall Mount: Step 2





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

Software Overview



Only Cerio's special model supports CAP / Router mode

Captive Portal Authentication



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



Local Account Login



Facebook Login

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

- Guest Login
- 2. Local Account Login
- 3. OAuth2.0 Login

(Facebook/Google/etc.)



*Router Mode does **NOT support** Captive Portal Login*



Operation Modes-



DT-300N v2/A4 supports five different Operation Modes: Control Access Point, Access Point Mode with WDS, Client Bridge + Repeater Mode, WISP/CPE Repeater AP Mode, and Router Mode

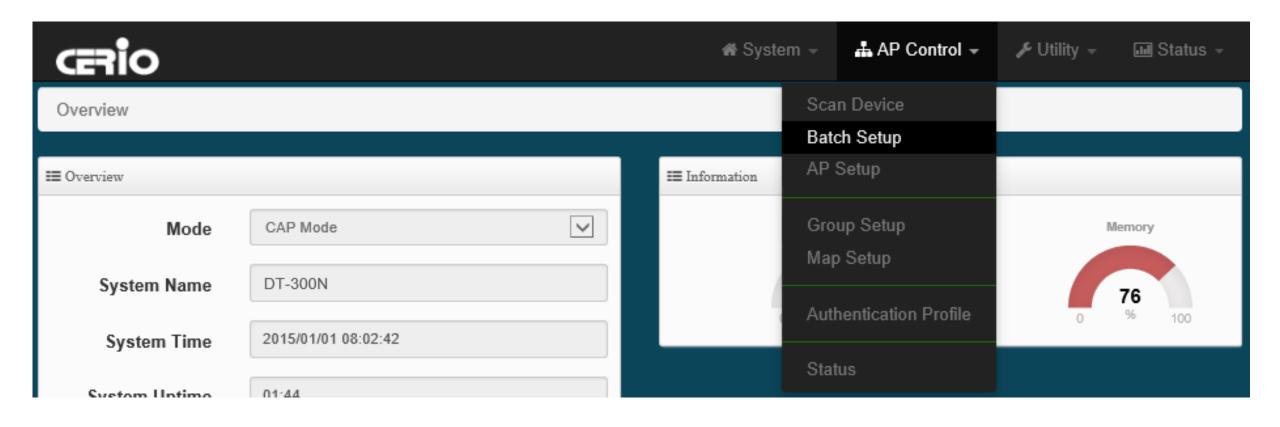
CRÍO DT-300N CenO	S 5.0	tem 🔻 🔝 Wireless	→ 🎤 Utility →	l Status →
System Mode				
■ System Mode				
Mode	CAP Mode Access Point Mode ClientBridge Mode WISP Mode Router Mode			
Save & Reboot	Trouter Mode		Cancel	

*Notice: Router Mode does **NOT support** Client Authentication*

Control Access Point — CERIO



Control Access Point (CAP) Mode's converts the device into a centralized AP management controller. When DT-300N v2/A4 is in CAP Mode, it can centrally manage up to 16 AP devices.



Scan and Import -

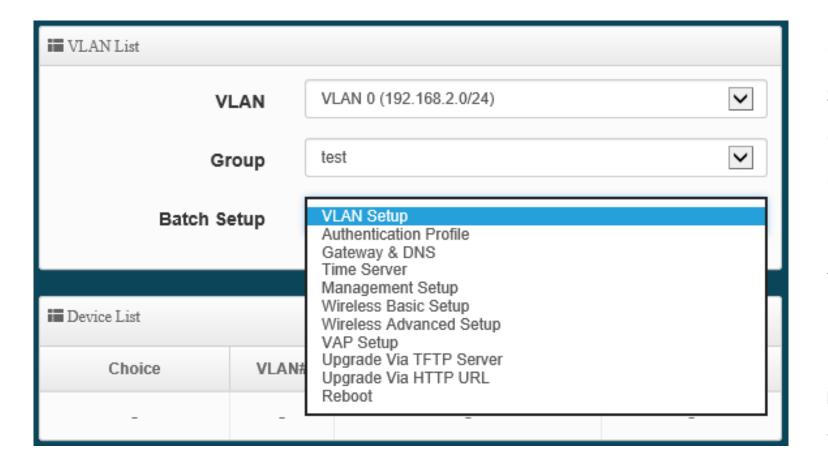


Scan AP Device				
■ Filter Device			■ Update IP Address & Netmask	
VLAN#	VLAN 0 (192.168.2.0/24)		Control Port	VLAN 0 (192.168.2.0/24)
Default Password	•••••		VLAN TAG	1-4096
Sort	IP Address	Scan	IP Address	192.168.2.10
			Netmask	255.255.255.0 Apply&Reboot

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



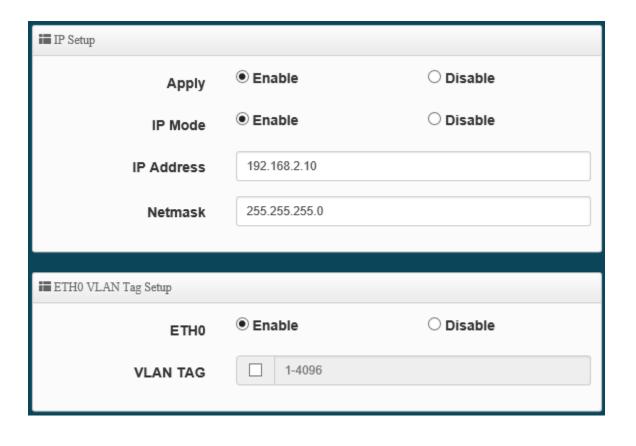


CAP Mode's control function supports centralized configuration of managed APs. This allows administrators to make convenient batch changes to the network of AP devices from one centralized location. This main function of CAP mode can save time and cost by reducing servicing and installation time.

Batch Setup



■ VLAN Setup			Apply
VLAN	VLAN 0		V
VLAN Mode	● Enable	ODisable	
Access Point 0	● Enable	ODisable	
802.1d Spanning Tree	● Enable	ODisable	
Control Port	● Enable	ODisable	
IAPP	Access Point 1		~



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



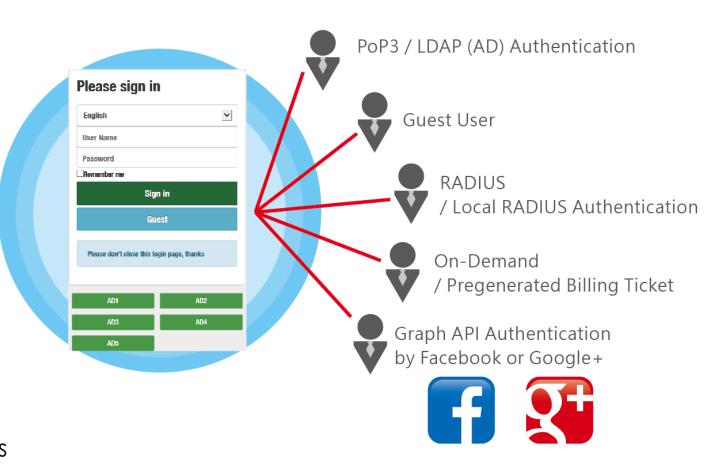


Authentication AP ——



CenOS 5.0 supports Authentication Access Point Mode for versatile AP deployment. Administrators can choose from many authentication options 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



*Notice: Router Mode does **NOT support** Client Authentication*

OAuth2.0 Login-



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.

■ OAutl	n 2.0 Provider Li	Creat	e New Provider
#	Active	Provider	Action
1	On	Google	Edit
2	On	Facebook	Edit

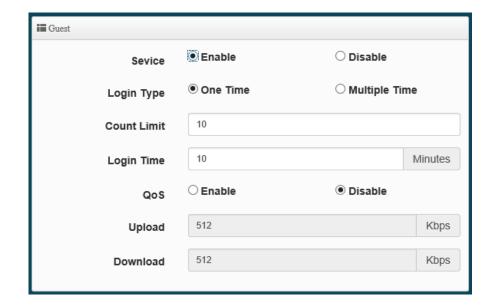




Authentication



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:

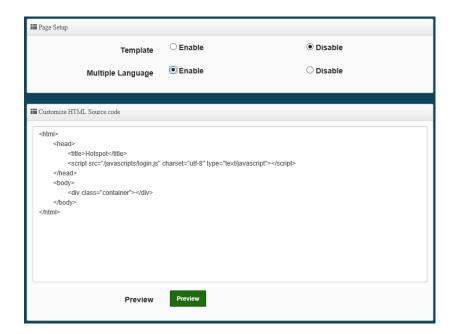
(1.) Promotions (2.) Brand Exposure (3.) Advertisements (4.) Platform for providing Information

This customized Captive Portal supports login through 1. Guest Users 2. Local Accounts

3. Facebook, Google+, etc using OAuth2.0.







Customize through HTML Code

Bandwidth Control —— CERIO



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.

■ Bandwidth Control				
Peer Users	Enable	Disable		
Upload	512		Kbps	
Download	512		Kbps	
Total	Enable	O Disable		
Upload	1024		Kbps	
Download	1024		Kbps	

Walled Garden



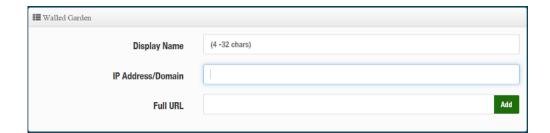
Amplify your Wireless Network

Captive Portal Authentication Login Page for CenOS 5.0

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;

- Paid Content
- 2. Self-Promotions
- 3. Free access to specific websites
- 4. Advertisement web pages



Sign in

Sign in

Facebook Google

Walled Garden

Yahoo

CERIO

Google

Enabled Walled Garden Websites

Virtual LANs & SSIDs-



DT-300N v2/A4's design supports a total of 8 Virtual LANs (VLAN) and 8 SSIDs.



DT-300N v2/A4 supports up to **4096** Tags. This is a crucial feature that ensures successful directing of packet traffic for VLANs that span across multiple switches.

WDS Support



₩DS Setup			
WDS Authentic PassP	ation	• Enable AES	○ Disable
≡ WDS Client Setup			
Enable			MAC Address

DT-300N v2/A4 with CenOS 5.0 supports WDS
Setup when operating in Access Point Mode

DT-300N v2/A4 's Access Point mode supports up to 8 WDS links, and includes a WDS Status page to monitor the WDS connection strength.

(8x WDS on the 2.4GHz frequency band)

Fast Roaming



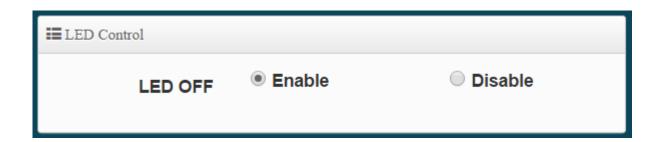
■ 802.11r/802.11k Fast Roaming				
Fast Roaming	Enable	ODisable		
₩ Fast Roaming Settings				
Mobility Domain	a1b2			
R0 Key Lifetime	10000			
Reassoc deadline	1000			
R0/NAS Identifier	ap.example.com			
R1 Identifier	000102030405			
R1 Push	○ Enable	Disable		

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

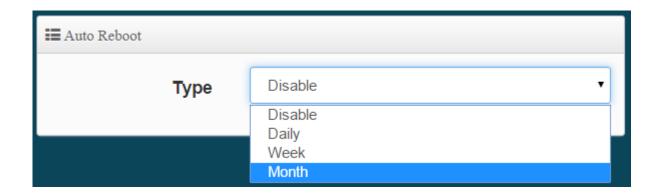
802.11r- Stores encryption keys on all the APs within the network. This simplifies the authentication process when clients roam to new APs, greatly reducing CPU loading and latency.

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.

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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