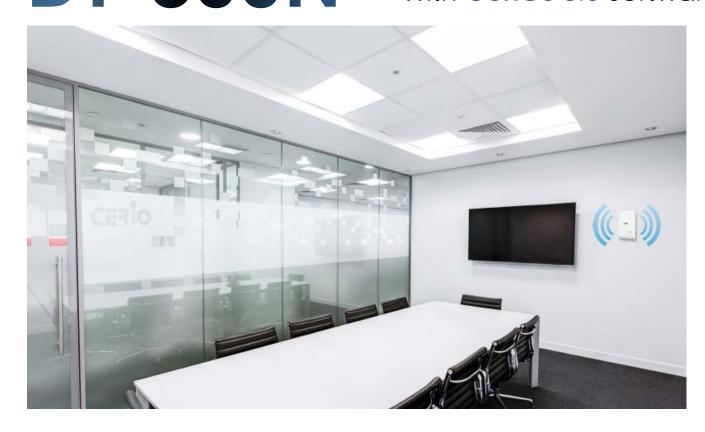


Amplify your Wireless Network

Introduction to-**DT-300N**

With CenOS 3.0 Software Bundle







eXtreme Power 11n 2.4Hz 2x2 Router Access Point (1000mW)

Product Overview —



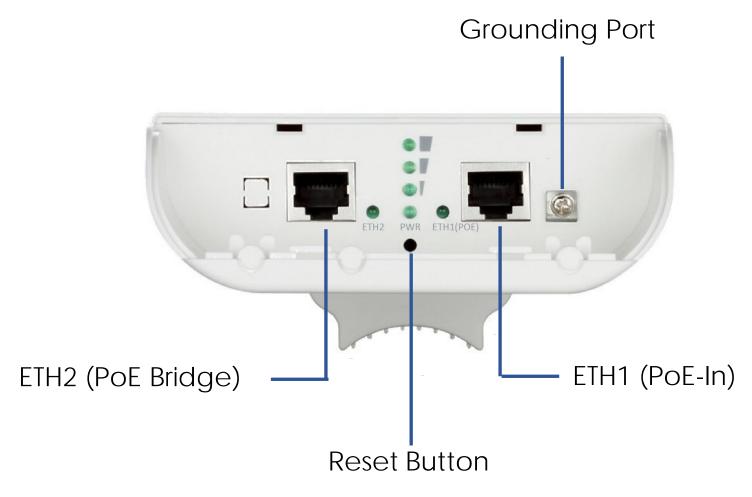


- ➤ DT-300N (Built-in 2.4 GHz) 2x2 High Gain Antenna
- > Two 10/100 Fast Ethernet Ports
- ➤ Waterproof IPX6 Housing
- ➤ Supports 5 Operational Modes
- > 533Mhz high level base CPU
- Supports Overload Current protection and Built-in lighting arrestor (15kV ESD)
- ➤ PoE Bridge Support
- ➤ Point to Point / Point to Multi-Point Application Support



Hardware Overview-







Pole / Wall Mount

DT-300N eXtreme Power 11N 2.4Ghz 2x2 Wireless

Access Point (1000mW)



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 2.4 GHz Dual Polarization High Gain Antenna

Smart PoE Bridge Application

Conveniently provides power to subsequent

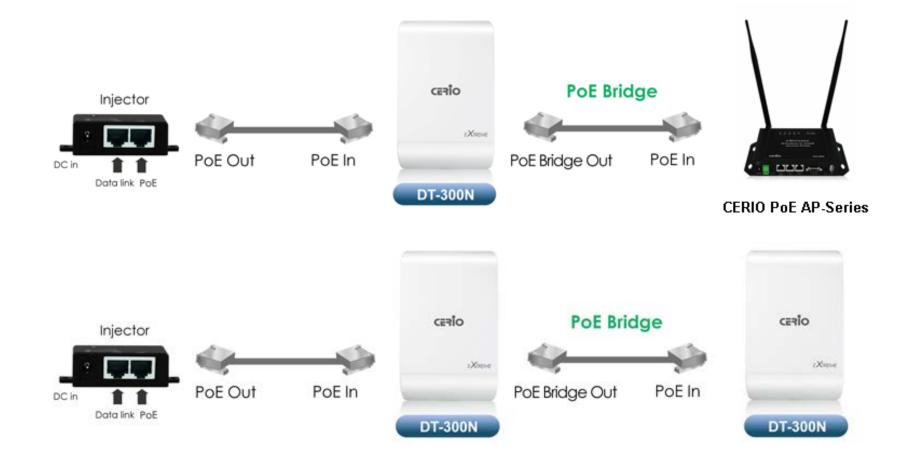
Access Points/Devices through PoE Bridge

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

PoE Bridge Application — CERIO

CERIO's DT-300N utilizes PoE Bridge

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.



Advanced 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

Advanced Support



8 Multiple-SSID 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

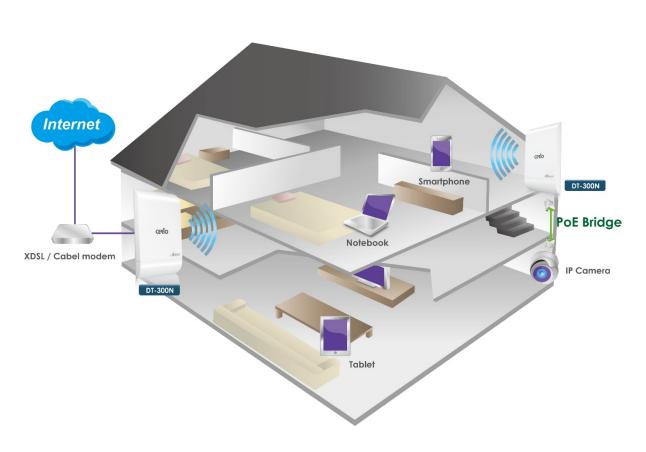
➤ Bundles Cerio CenOS3.0 allows for communication with CWMS Software Management and CERIO AM-Series AP Management

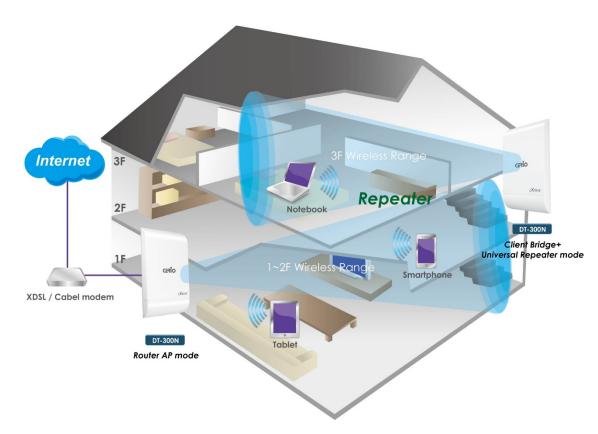




Indoor Application ——







AP Mode / PoE Bridge

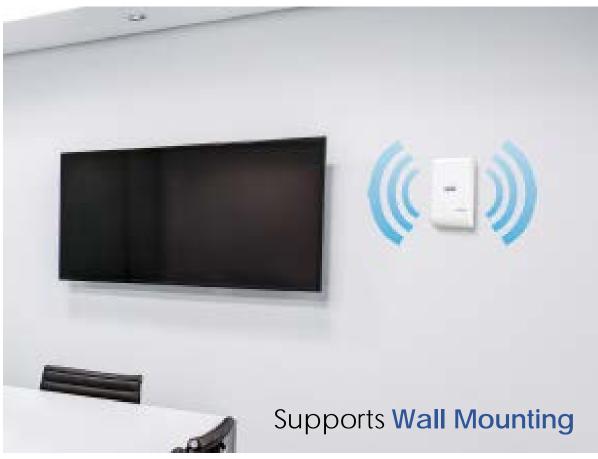
Client Bridge+ Universal Repeater Mode



Mounting Options









Mounting Installation —— CERIO



Pole Mount



Easily mount device onto poles using provided selflocking 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

Key Features



Watch Time Dog Function

The Cerio DT-300N 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.

Mounting Kit

Cerio's DT-300N includes a comprehensive mounting kit that allows for easy installation in a wide range of environments (Walls / Poles)

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.







CenOS 3.0

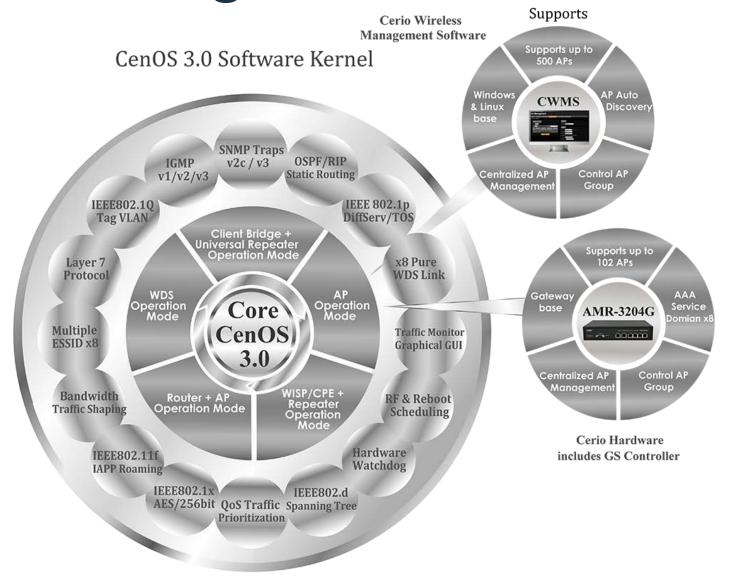
Software Bundle



CenOS 3.0 Diagram









SSID & VLAN Tagging —



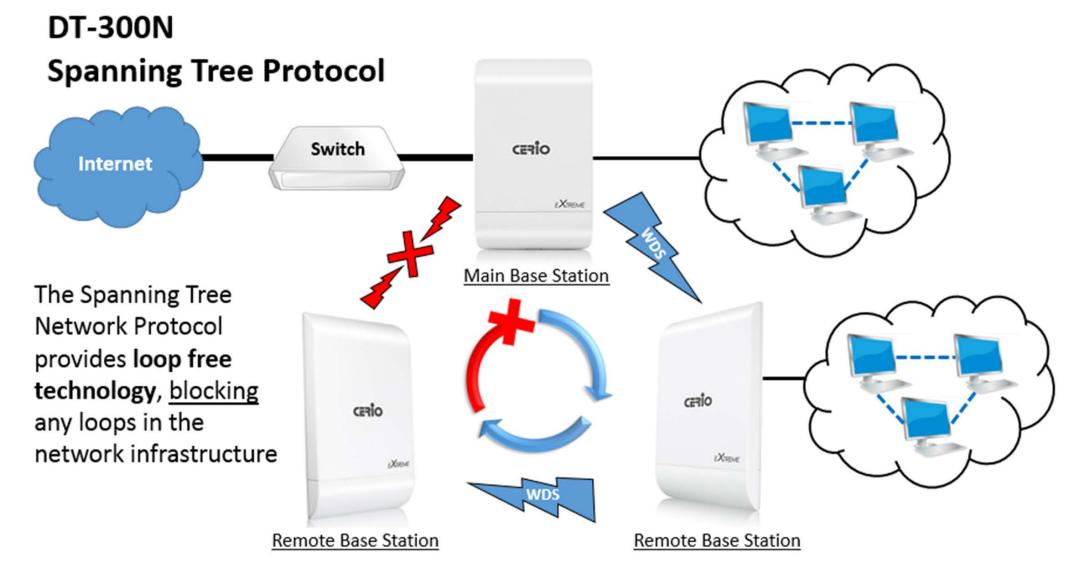
| VAP I | ist | |
|-------|-------------------|-------|
| VAP | MAC Address | ESSID |
| VAP0 | 00:11:A3:1C:07:D0 | AP00 |
| VAP1 | | AP01 |
| VAP2 | | AP02 |
| VAP3 | | AP03 |
| VAP4 | | AP04 |
| VAP5 | | AP05 |
| VAP6 | | AP06 |
| VAP7 | | AP07 |
| | | |

Cerio's CenOS 3.0 Software allows each DT-300N 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.



Spanning Tree Protocol — CERIO





5 Operation Modes — CERIO



Cerio's DT-300N Supports 5 Operation Modes. The default operation mode for this device is Router AP Mode.

| CERIO DT-300N | |
|--|--|
| | |
| System ▼ Wireless ▼ Advance ▼ Utilities ▼ Status ▼ | |
| Operating Mode | |
| | |
| Operating Mode | |
| AP Mode | |
| ● WDS Mode | |
| ClientBridge+Repeater AP Mode | |
| Router AP Mode | |
| WISP+Repeater AP Mode | |
| Save&Reboot | |
| | |
| CopyRight @ 2012 CERIO. All Rights Reserved. | |



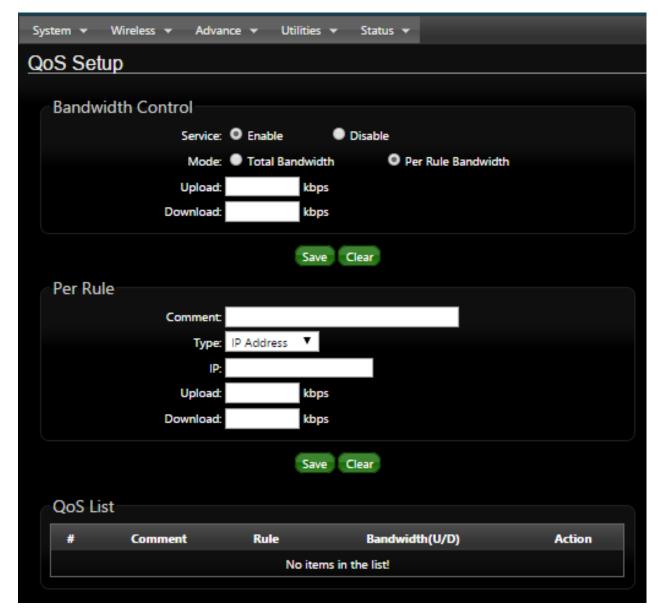
Virtual Access Point Setup — CERIO

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.

| System ▼ Wireless ▼ Advance ▼ Utilities ▼ Status ▼ | |
|---|--|
| VAP0 Setup | |
| Constitution of the second of | |
| Security | |
| ESSID: AP00 | |
| Hidden SSID: Enable Disable | |
| Client Isolation: Enable Disable | |
| IAPP: Enable Disable | |
| Maximum Clients: 32 | |
| VLAN ID(Tag): LAN ▼ VLAN ID: | |
| Security Type: Disable • | |
| | |



Quality of Service (QoS) — CERIO



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

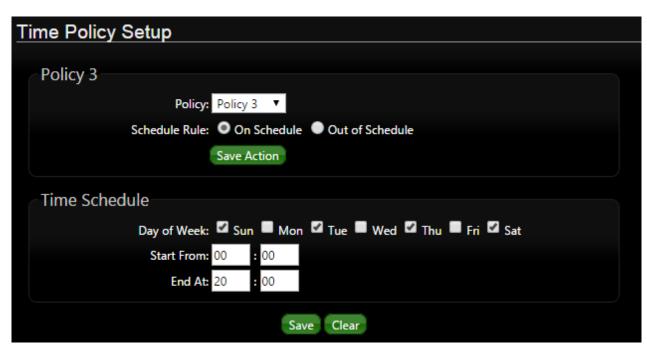
QoS also allows for Rule setting customization, where admins can enact QoS Rules to specific individual IP Addresses, Segments, MAC addressed, and even Ports.

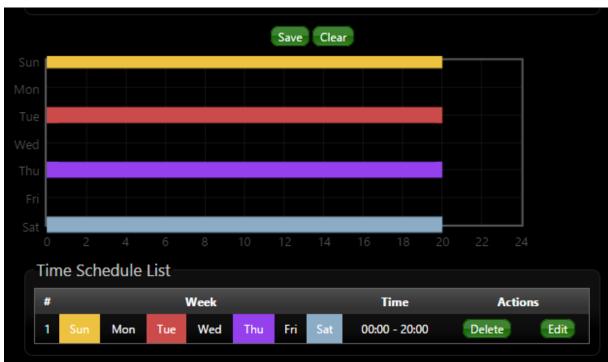


Time Policy Function



Wi-Fi RF Signal on/ off By scheduling control





DT-300N'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 — CERIO



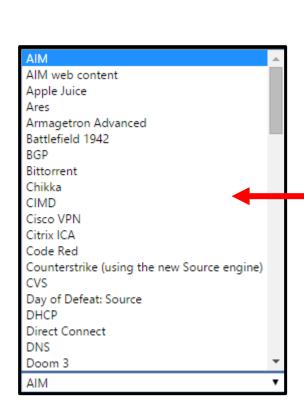
Administrators can activate the CenOS 3.0 Auto Reboot function that effectively reboots the network system routinely based on admin settings. This enables better system reliably and a lower likelihood of crashes. It also reduces the need for constant on-site system maintenance in case of system crashes.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

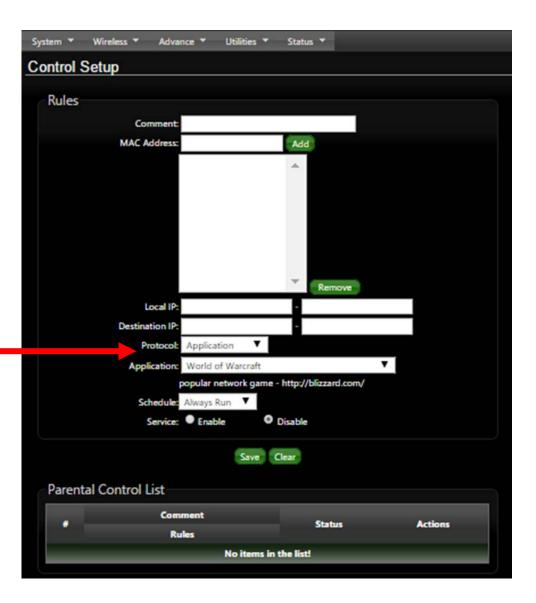
| Ping Watchdog |
|----------------------------|
| Service: Disable Disable |
| IP Address To Ping: |
| Ping Interval: 300 Seconds |
| Startup Delay: 300 Seconds |
| Failure Count To Reboot: 3 |
| Auto Reboot |
| Type: Weekly ▼ Sunday ▼ |
| Time: 3 ▼ : 30 ▼ |
| Save |



Access Control







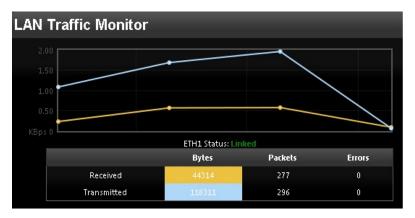
DT-300N's Access Control Setup is crucial for managing content that users have access to. Admins can easily block activities such as Games, Video Streaming, and Websites by adding Rules to the Parental Control List. These controls can be set to a desired time schedule.



Traffic Monitoring



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











Amplify your Wireless Network