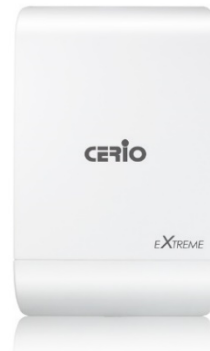


DT-300N v2/A4

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

EAN Code : 4712757152661



CenOS 5.0 Demo
(CLICK HERE)

Introduction

CERIO's DT-300N v2/A4 eXtreme Power 11n 2.4GHz 2x2 High Power Wireless Access Point with **built-in 10dBi patch antennas** and also supports broadband wireless routing. DT-300N v2/A4's wireless High Power design enhances the range and stability of the device's wireless signal in office and home environments. Another key hardware function of DT-300N v2/A4 is its **PoE Bridging feature**, which allows subsequent devices to be powered through DT-300N v2/A4's LAN port. This reduces device cabling and allows for more convenient deployment.

DT-300N v2/A4 utilizes a **533Mhz high power CPU base with 11n 2x2 transmission rates of 300Mbps**. This powerful device can produce high level performance across multiple rooms or large spaces such as offices, schools, businesses and residential areas. DT-300N v2/A4 is suitable for both indoor and outdoor deployment, and utilizes an IPX6 weatherproof housing.

The DT-300N v2/A4 hardware equipped with to **bundles Cerio CenOS 5.0 Software Core**. CenOS 5.0 devices can use integrated management functions of Control Access Point (CAP Mode) to manage an AP network.

Highlight Features

- 2.4Ghz band supports standard 802.11 bgn protocol with maximum data transfer rate of 300Mbps
- **1000mW** at 2.4Ghz Output eXtreme High Power
- 2x2 Built in +10dBi , 2.4GHz (H110, E60) Directional Panel Antenna
- Supports CenOS 5.0 Software (**Click here for more**)
- Operation Modes : Access Point Mode (includes Hotspot Portal Authentication, Pure AP Mode, and AP + WDS Mode), Control Access Point Mode (Centralized AP Management), Router AP Mode, Client Bridge + Repeater Mode, and WISP / CPE Repeater Mode
- IEE802.3af/at compliant Passive PoE Design
- Supports PoE Bridge function to allow power to be passed on to subsequent 802.3af/at PoE devices
- Provide customizable login and logout Captive portal page by Web Page
- Weather-proof Housing (IPX6 Rated)
- Each Virtual ESSID supports 10 local built-in local accounts, And supports external RADIUS server, and OAuth2.0 Facebook / Google account
- CenOS5.0 Control Access Point Mode (CAP) supports centralized management of up to 16 AP devices
- Supports at total of 8 Multiple-ESSIDs
- Supports x8 WDS Links

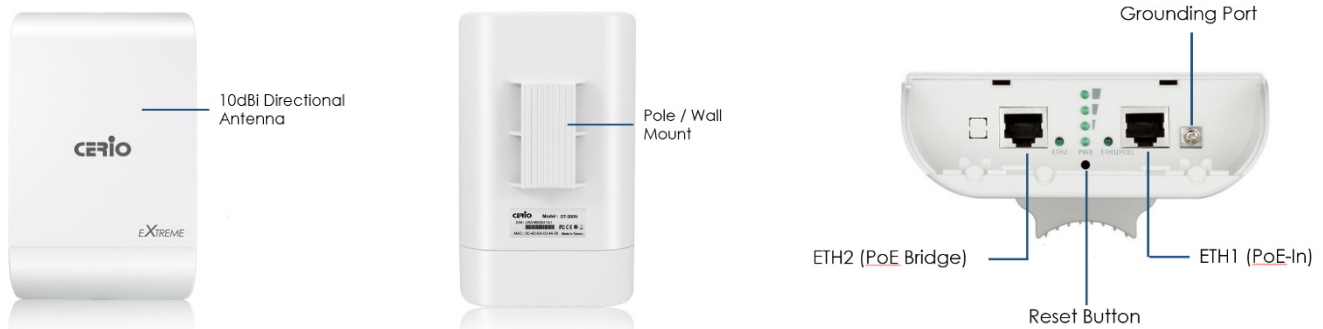
Software Features

- CAP Mode Group management –maintain a set of setting templates that simplify the task of assigning the same setting to multiple APs
- Supports up to 8 ESSIDS
- Each SSID supports 802.1q VLAN Tag standards, supporting up to 4096 group VLAN Tag capability
- QoS(Quality of Service) for bandwidth management and traffic prioritization and supports network
- Users Upload/Download Bandwidth Control speed limits, and User Device (Total) bandwidth control. Administrators can regulate the limit of each network user
- Supports IEEE802.11f IAPP and IEEE802.11r and IEEE802.11k Fast Roaming
- Support Ping Watchdog function, which automatically monitoring device operations and reboots the device before a crash can occur
- Software UI supports Auto reboot setting function. Software setting allows automatically reboot by Daily/Weekly/Monthly settings
- Supports CenOS 5.0 built-in Control Access Point Mode (Controller-less Wireless LAN), and CenOS 5.0 compatible management platforms
- Administrative Access : Supports CLI access via Telnet and SSH
- Provides Traffic Monitor and Graphical GUI Status Interface for Network and Radio Overview.

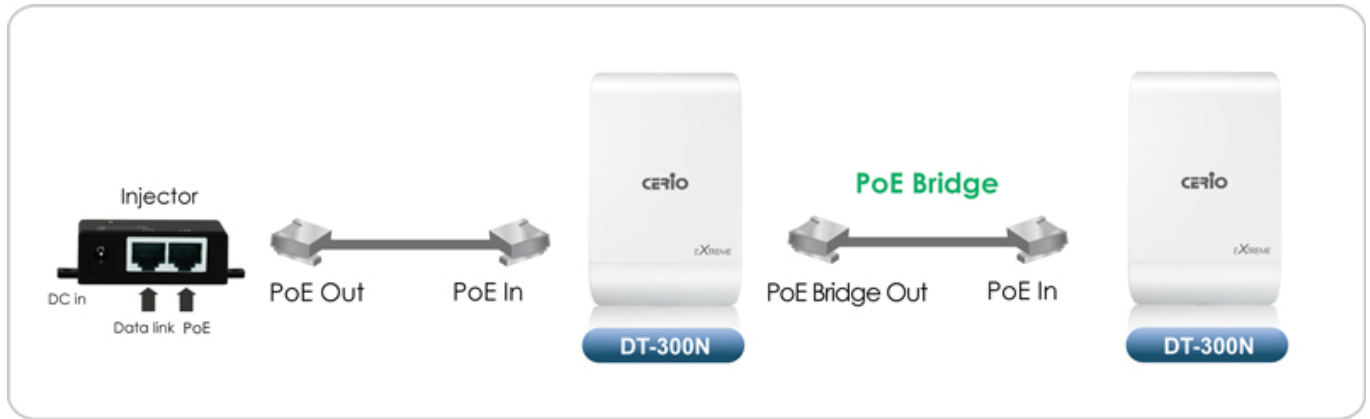
Hardware Features

- Built in +10dBi , 2.4GHz (H110, E60) Directional Panel Antenna
- Waterproof IPX6 Rating
- Weatherproof RJ45 Connectors
- Supports PoE Bridge function to allow power to be passed on to subsequent 802.3af/at PoE devices
- Integrates a long-range power amplifier and high sensitivity receiver to deliver unmatched reliability and performance at large coverage application
- Built-in lightning arrester (15kV ESD)
- Supports Hardware chipset base Watch Time Dog, allowing the OS to reboot automatically before a crash

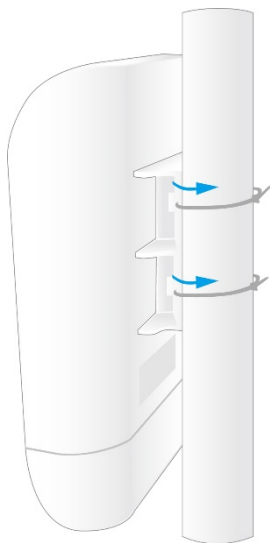
Hardware Overview



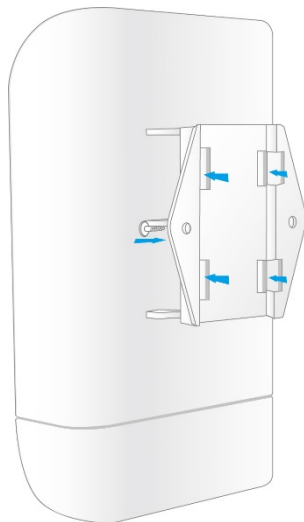
Power Over Ethernet Bridge Application



Mounting Application



Pole Mount



Wall Mount



Wall Mount

Software

Application Software

Cerio CenOS 5.0 Software Core

Standards & Hardware Specifications

Network Standards Conformance

IEEE 802.11 b/g/n compliant
 IEEE 802.3 / IEEE 802.3u
 IEEE802.11i Preauth (PMKSA Cache)
 IEEE802.11d Multi Country Roaming
 IEEE 802.11Q VLAN
 IEEE802.11r
 IEEE802.11k Fast Roaming
 IEEE802.11f
 IEEE802.11e WMM

Ethernet Configuration

10/100BASE-TX Auto MDI/MDI-X Ethernet
 Connector x 2

LED Indicators

PWR (Power) LED	x1
WLAN LED	x1
ETH1 (PoE In) LED	x1
ETH2 (PoE Bridge) LED	x1

Wireless Specifications

Data Transfer Rate

IEEE802.11b : 1 / 2 / 5.5 / 11Mbps (auto sensing)
 IEEE801.11g : 6/ 9/ 12/ 18/ 24/ 36/ 48/ 54Mbps
 IEEE802.11n: 300Mbps (at 40MHz), 150Mbps
 (at 20MHz)

Frequency Range

IEEE802.11nbg :
 2.412 ~ 2.462GHz (USA)
 2.412 ~ 2.484GHz (Japan)
 2.412 ~ 2.472GHz (Europe ETSI)
 2.457 ~ 2.462 GHz (Spain)
 2.457 ~ 2.472 GHz (France)

Channel Spacing

IEEE802.11b/g/n : 20/40MHz

Media Access Protocol

CSMA / CA with ACK

Modulation Method

IEEE802.11b : DSSS (DBPK,DQPSK,CCK)
 IEEE802.11g/n: OFDM(64-QAM,16-
 QAM,QPSK,BPSK)

Operating Channels

802.11b/g/n :

11 for FCC,14 for Japan,13 for Europe, 2 for Spain, 4
 for France

Transmit Power Variation

2.4Ghz : Max : 30 ± 2 dBm

Receiver Sensitivity

2.4Ghz : Max : -97 dBm

Environmental & Mechanical Characteristics

Operating Temperature

-25 °C ~ 70 °C

Storage Temperature

30 °C ~ 80°C

Operating Humidity

100% Non-Condensing

Storage Humidity

100% Non-Condensing

Antenna

Built-in 10dBi Dual Polarization Directional Antenna
 (H : 110, E : 60)

Form Factor

Supports Wall and Pole Mounting,
 Plastic Weatherproof housing design

System Power Consumption

9Watt (Max)

Power Supply

Fast Ethernet PoE Injector Switching Power Supply
 Supports Power over Ethernet (48V/0.5A) Input
 (PoE Power Injector) AC Input : 110-240V

Input Power

12V~68V VDC Wide Range

Dimensions (W x H x D)

59*115*194 mm

Unit Weight

302g

Certifications

CE, FCC, NCC, BSMI, ROHS Compliant

Package Contents

Contents

DT-300N v2/A4 Main Unit	x1
RJ-45 UTP Cable	x1
Power Adapter (Power Supply)	x1
PoE Adapter	x1

Wall Mounting Kit	x1
Self-Locking Cable Ties for Pole Mounting	x2
CD Manual	x1
Quick Installation Guide	x1
Warranty Card	x1
