

COMTREND WAP-EN300C

Comtrend WAP-EN300C User Manual

300N Managed Single Band Wireless Access Point

INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your Comtrend WAP-EN300C Wireless Access Point.

The WAP-EN300C is a business-grade solution designed to deliver robust wireless coverage, combining a 400mW high power radio with -95dBm high sensitivity.

KEY FEATURES

- Low-cost business-grade solution with 400mW high power radio and -95dBm high sensitivity for robust wireless coverage.
- Easy setup of Guest Networks to isolate the local network from wireless clients via an IP filter.
- Manages the handoff of client devices from one access point to another with negligible interruption.
- Supports guest network feature, cluster configuration, and smart handover.
- 802.11n speeds up to 300Mbps, includes a Gigabit Ethernet Port, and is PoE (Power over Ethernet) Powered (802.3af Compatible).

PHYSICAL DESCRIPTION AND COMPONENTS

The Comtrend WAP-EN300C is a ceiling-mount wireless access point, designed for discreet integration into various environments.



Front view of the Comtrend WAP-EN300C Wireless Access Point, showing the white circular casing with the 'COMTREND' logo and a blue LED indicator light.



Angled view of the Comtrend WAP-EN300C Wireless Access Point, highlighting the ventilation slots around the circumference and the 'COMTREND' logo on the top surface.

WIFI
N300CEILING MOUNT
WIRELESS ACCESS POINT

N300 | 400mW High Power | -95dBm | TR-069

PRODUCT OVERVIEW

Comtrend's WAP-EN300C Wireless Access Point is a low cost business-grade solution that combines a 400mW high power radio and -95dBm high sensitivity to deliver robust wireless coverage to the entire home/business.

- Remotely manage firmware updates, configurations, backup and restoration and password control via TR-069
- Easily setup Guest Networks to isolate the local network from the wireless clients via an IP filter
- Manage the handoff of client devices from one access point to another with negligible interruption



KEY BENEFITS

Higher Power, Higher Sensitivity

Together equals better coverage.



*0.00000001mW/0.0000000316mW=31.65mW

Comprehensive Network Features

Supports guest network feature, cluster configuration and smart handover.



DS_WAP-EN300C_V1.0.1
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Product overview graphic for the Comtrend WAP-EN300C, illustrating its key features such as N300 WiFi, 400mW high power, -95dBm high sensitivity, and TR-069 support. It also highlights benefits like guest network setup, cluster configuration, and smart handover.



The Comtrend WAP-EN300C Wireless Access Point mounted on a ceiling, demonstrating its discreet and integrated design.

SETUP AND INSTALLATION

Powering the Device

The WAP-EN300C supports Power over Ethernet (PoE) (802.3af Compatible). Connect a compatible PoE injector or PoE-enabled switch to the Gigabit Ethernet port on the device.

Network Connection

Connect the device to your network using a standard Ethernet cable via its Gigabit Ethernet port.

Mounting

The device is designed for ceiling mounting. Ensure proper ventilation and secure attachment. Refer to the included mounting kit instructions for detailed steps.

OPERATING INSTRUCTIONS

Initial Configuration

Access the device's web-based management interface by connecting a computer to the same network segment as the WAP-EN300C. Refer to the default IP address and login credentials provided in the quick start guide or on the device label.

Wireless Network Setup

Within the management interface, navigate to the wireless settings to configure your Wi-Fi network (SSID), security type (WPA2-PSK recommended), and password.

Guest Network Configuration

Utilize the guest network feature to create isolated networks for visitors, preventing access to your main local network. This can be configured via an IP filter within the management interface.

Smart Handover and Cluster Configuration

For deployments with multiple access points, configure smart handover to ensure seamless roaming for client devices. Cluster configuration allows for centralized management of multiple WAP-EN300C units.

MAINTENANCE

Firmware Updates

Regularly check for and apply firmware updates to ensure optimal performance, security, and access to new features. Firmware can be remotely managed via TR-069 or through the web interface.

Backup Configuration

It is recommended to regularly back up your device's configuration settings. This allows for quick restoration in case of a reset or replacement.

Cleaning

Clean the exterior of the device with a soft, dry cloth. Do not use liquid cleaners or aerosols.

TROUBLESHOOTING

No Power Indicator Light

Ensure the PoE connection is secure and the PoE injector/switch is powered on and functioning correctly.

Cannot Access Management Interface

Verify your computer is on the same network segment as the access point. Check the device's IP address and ensure there are no IP conflicts. Try resetting the device to factory defaults if necessary (refer to the reset procedure in the quick start guide).

Poor Wireless Coverage

Check the placement of the access point. Ensure there are no major obstructions. Consider adding more access points for larger areas.

Slow Wireless Speeds

Verify that your client devices support 802.11n. Check for channel interference and try changing the wireless channel in the management interface. Ensure the device is connected to a Gigabit Ethernet port.

TECHNICAL SPECIFICATIONS

Feature	Detail
Wireless Type	802.11n
Frequency Band Class	Single-Band
Data Transfer Rate	300 Megabits Per Second
Connectivity Technology	Wired, Wireless
Ethernet Port	Gigabit Ethernet
Power	PoE (802.3af Compatible)
Item Model Number	WAP-EN300C
Item Weight	9.6 ounces (0.6 Pounds)
Product Dimensions	6.93 x 6.93 x 1.26 inches
Manufacturer	Comtrend
UPC	897384000456

WARRANTY AND SUPPORT

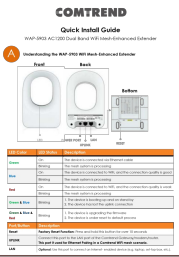

For warranty information and technical support, please refer to the official Comtrend website or contact their customer service.

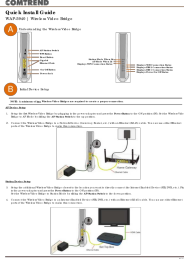
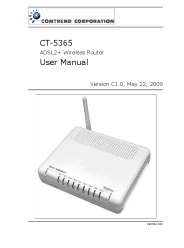


Online resources may include FAQs, driver downloads, and additional documentation.

Manufacturer: Comtrend

Website: www.comtrend.com

Related Documents - WAP-EN300C

 <p>COMTREND Quick Install Guide WAP-5903 AC1200 Dual Band WiFi Mesh-Enhanced Extender</p>	<p>Comtrend WAP-5903 AC1200 Dual Band WiFi Mesh Extender Quick Install Guide</p> <p>Quick start guide for setting up the Comtrend WAP-5903 AC1200 Dual Band WiFi Mesh-Enhanced Extender. Learn how to connect and configure your mesh network for enhanced whole-home WiFi coverage.</p>
 <p>COMTREND USER MANUAL WAP-5922MP AC1200 Wireless Mesh Point</p>	<p>Comtrend WAP-5922MP AC1200 Wireless Mesh Point User Manual</p> <p>This user manual provides detailed instructions for installing, configuring, and operating the Comtrend WAP-5922MP AC1200 Dual-Band Wireless Mesh Point in Repeater and AP modes. Learn about features, system requirements, and troubleshooting.</p>

	<p>Comtrend WAP-5940 Wireless Video Bridge Quick Install Guide</p> <p>A quick installation guide for the Comtrend WAP-5940 Wireless Video Bridge, detailing setup, configuration via WPS, and troubleshooting steps for creating a wireless video bridge connection.</p>
	<p>Comtrend CT-5365 ADSL2+ Wireless Router User Manual</p> <p>User manual for the Comtrend CT-5365 ADSL2+ Wireless Router, providing detailed information on installation, operation, configuration, and troubleshooting.</p>
	<p>Comtrend NL-3120 Modem/Router DSL Installation and Setup Guide</p> <p>A concise guide for installing and setting up the Comtrend NL-3120 Modem/Router DSL. Includes connection steps, power-on instructions, and indicator light explanations.</p>
	<p>Comtrend PRT-6351 (WR-2412u) Home Gateway User Manual</p> <p>User manual for the Comtrend PRT-6351 (WR-2412u) Home Gateway, detailing installation, setup, configuration, and advanced features for Wi-Fi 6E connectivity.</p>