



We Connect the World



WAP-3150NP

IEEE802.11bgn High Power In-wall Access Point
W/ IEEE802.3af POE Built-in, RJ-11 Pass-Through
(Can be AP Managed by WMS-308N)

W/ 94V0 Flameproof rated

8 Multiple SSID/VLAN

Inwall AP Design

IEEE802.3af POE

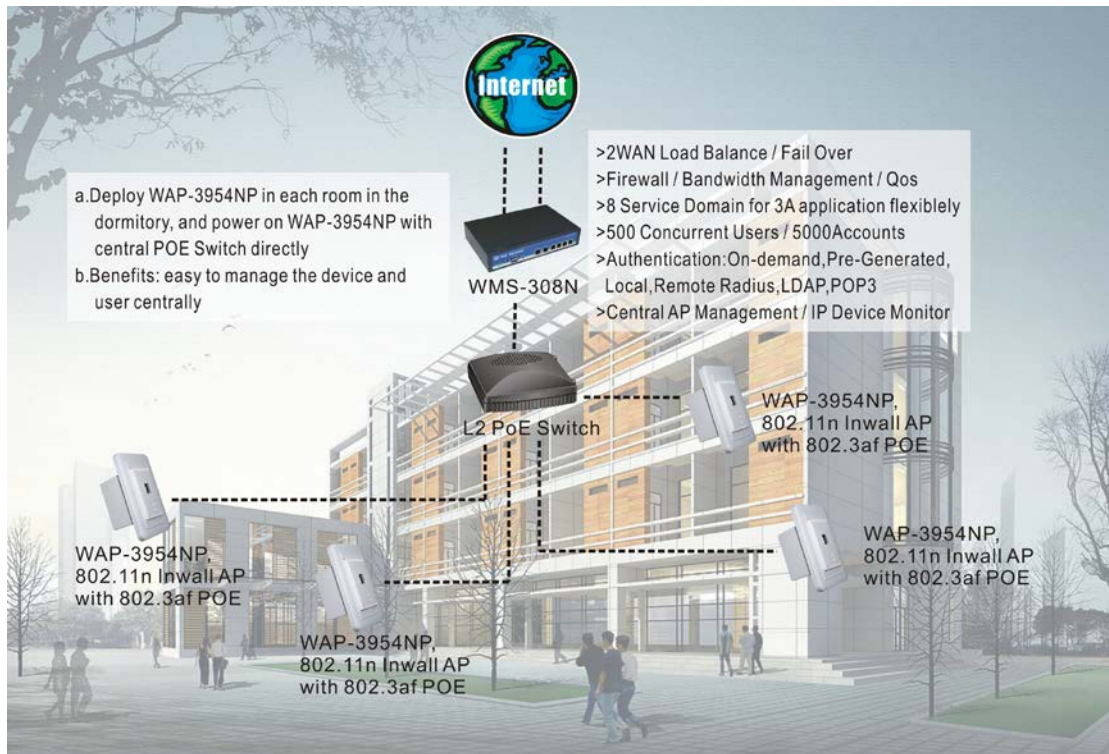
Central AP Management

PheeNet WAP-3150NP IEEE802.11bgn 800mW High Power In-wall Wireless AP with 10/100 IEEE802.3af POE, 10/100 Front LAN port, and RJ11 Pass-Through is designed to fit into a wall, and bring the benefits of both a RJ-45 wired connection as well as WiFi wireless connection.

The WAP-3150NP can be installed and configured easily into any new wireless network or integrated within an existing wired network resulting in a more flexible and cost-effective wireless deployment. And, a network administrator can centrally manage the WAP-3150NP via a Web browser or an SNMP MIB browser or PheeNet's Network Access Gateway / Controller WMS-308N. With built-in IEEE802.3af POE Ethernet port, power and data are supplied to the unit using CAT5 Ethernet cable from Central IEEE802.3af POE Switch.

While integrating with Network Access Gateway / Controller WMS-308N, PheeNet WAP-3150NP is a best IEEE802.11bgn Indoor Inwall Wireless AP for Public Wifi User Service Management in the Hotel, Hostel, Hospital, etc places.

Application



WAP-3150NP(EU) – By 86x86



EU –Wall Single Gang



WAP-3150NP(US) – 120x75



USA –Single Wall Gang



WAP-3150NP-DIN
Front- DIN RAIL Mounting



WAP-3150NP-DIN
Back – DIN RAIL Mounting



WAP-3150NP-DIN
Side View-DIN Rail Mounting

(Option)



DIN-RAIL Installation

Features

General Features

- A compact AP fits for any size of Ethernet wall jack
- Supports standard IEEE802.3af POE
- Use existing Ethernet cabling system, no re-wiring
- Invisible and could blend with all interior decoration

Wireless Features

- IEEE802.11h Transmission Power Control
- Channel Selection: Manual or Auto
- No of BSSID (VAP): 8
- No. of max WDS setting: 4
- Preamble setting : Short/Long
- Setting for transmission speed
- Dynamic wireless re-transmission
- IAPP : to facilitate faster roaming for the stations among different APs nearby
- 802.11n protection : to let the transmission rate of associated 802.11g and 802.11b not to be affected with surrounding existence of 802.11b stations
- Transmit Power Control: 7 Level

System Administration

- Web-based management UI
- Remote firmware upgrade by Web GUI
- Console management
- Backup and restore the system configuration
- Support SNMP v2c, v3, MIBII
- SNMP Traps to a list of IP number
- Support Telnet, SSH, Command Line Interface (CLI)
- Remote Link Test –Display connect statistics

Central AP management supported while working with WMS-308N:

- Auto discovery for managed APs
- AP-Automatic configuration and provisioning
- AP Profile Management
- AP Batch Setup (IP address, Wireless Security, VAP, System Info / Password / Management Method, Time Server, Channel / Output Power / Band / Country Code, Firmware update by TFTP or URL, etc.)
- AP Group Setup (Dynamic Channel Allocation, Maximum Client Control, MAC Filter Control, MAP)
- AP Group Status (IP address, FW version, Online user, RSSI, TX/RX bandwidth, Device Syslog)

Specification

Wireless	
Standard	IEEE802.11n IEEE 802.11g IEEE 802.11b
Frequency Band	2.412 ~ 2.462GHz (USA) 2.412 ~ 2.484GHz (Japan) 2.412 ~ 2.472 GHz (Europe ETSI) 2.457 ~ 2.462 GHz (Spain) 2.457 ~ 2.472 GHz (France)
Modulation	IEEE802.11b : DSSS (DBPK,DQPSK,CCK) IEEE802.11g : OFDM(64-QAM,16-QAM,QPSK,BPSK) IEEE 802.11n : (OFDM(64-QAM, 16-QAM, QPSK, BPSK)
Security	WEP (64/128/152 Bit) WPA-PSK(AES+TKIP) / (802.1x , RADIUS) WPA2(PSK(AES+TKIP) / (802.1x , RADIUS) 802.1x (64/128 Bit) User Isolation Hidden SSID MAC Address Filtering (MAC ACL) IEEE802.11 mixed mode support open and shared key authentication VLAN assignment on BSSID VLAN assign to Front LAN VLAN pass through to Front LAN Network Integrity Client to Client Isolation AP to AP Isolation

Sensitivity	-95dBm
Output Power	800mW
Antenna	Built-in 2dBi Omni Antenna
Channels	802.11b/g/n : 11 for FCC,14 for Japan,13 for Europe, 2 for Spain, 4 for France
Operating Mode	AP Mode WDS Mode Router AP Mode
QOS	IEEE 802.1p /COS IEEE 801.11e WMM IEEE 802.11D Spanning Tree
Management	<ul style="list-style-type: none"> - Two administrator accounts - CLI access (Remote Management) via Telnet and SSH - Remote firmware upgrade (via Web HTTP Sever / TFTP / Local) - Utilities to backup and restore the system configuration - Full Statistics and Status Reporting - Real time traffic monitor - Ping Watchdog - Status monitoring of on-line users - Interface connection status - Support Syslog for diagnosing and troubleshooting - User traffic history logging - SNMP v1,v2c ,v3 - SNMP Traps to a list of IP Address - Support MIB-II - NTP Time Synchronization

Hardware	
Base Platform	Atheros AR9331
Clock Speed	400MHz
Reset Switch Built-in	Push-button momentary contact switch
SDRAM	On board : 32 Mbytes
Flash	On board : 8 Mbytes
Interface	<p>Front LAN: 10/100BASE-TX auto-negotiation Ethernet port x 1 (RJ-45 connector) ; Auto MDI/MDI-X</p> <p>WAN: 10/100BASE-TX auto-negotiation Ethernet port x 1 (RJ-45 connector) ; Auto MDI/MDI-X Support 48VDC IEEE 802.3af Active Power Over Ethernet X 1</p> <p>RJ11 Pass-Through</p>
LED	1x Power
Environment	<p>Operating Temperature:-20~50°C</p> <p>Storage Temperature:-20~60°C</p> <p>Humidity: 5%~90%(non condensing)</p>
Power Supply	<p>Power Over Ethernet (48V/0.125 A)</p> <p>System Power Consumption: 4.5W</p>
Dimensions	<p>Main unit: 75(H) x 52(W) x 38(D, for wall box)(mm)</p> <p>Wall Gang: 86*86 mm (EU), 120*75mm (US)</p>
Weight	150g
Certificate	FCC , CE

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