



We Connect the World



## WAP-854NP

Industrial Class IEEE802.11n 300Mbps 100mW Access Point W/ Dual-Detachable Antenna (Reverse SMA Connector), IEEE802.3af POE Built-in, IP50 Certificated

802.11n 2T2R

8 Multi-SSID / VLAN

Wall-Mount

IP 50 for Industrial usage

Dual 802.3af POE with Link Fallback

WMM

Central AP Managed by  
WMS-308N / WSW-1808A / WSW-1804P

Aspiring to provide the best performance/price ratio for both SMB and industrial applications, PheeNet WAP-854NP is uniquely designed for IP50 rated dustproof, wall-mountable and metal housing for a fast, robust, secure and business class Access Point perfect for installation in factories, warehouses, hotels, marinas, hospitals, large homes, hotspot, etc.

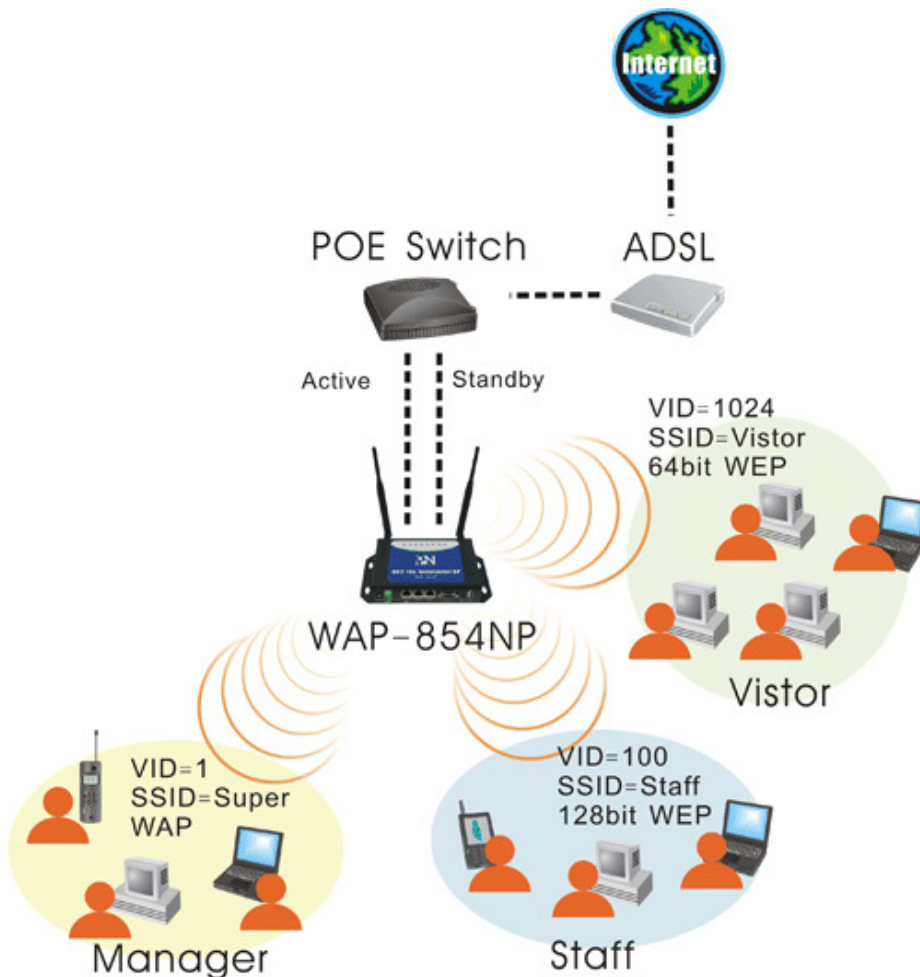
PheeNet WAP-854NP is compliant to the latest IEEE802.11n standard, and support business-class WLAN security, QOS, Multiple Virtual AP, and Client isolation for highly secured required enterprise networking environments.

PheeNet WAP-854NP's Wireless Distribution System (WDS) feature allows for flexible extension of wireless coverage. It can be power on via three alternative methods from 1) Single LAN port for IEEE802.3af POE (Power over Ethernet) to eliminates the need for power sockets, allows installation of this device in areas where power outlets are not readily available to improve deployment flexibility, 2) DC Power Adapter (AC Input: 100~240 VAC, 50~60 Hz, DC Input: 12V, 1.5A), and also 3) 12VDC DC power input.

PheeNet WAP-854NP is easy-to-use and install with web-based administrative interface making configuration and client management simple and easy. In addition, management interfaces such as CLI and SNMP are also supported.

PheeNet WAP-854NP can physically be deployed at any location with an IP network. Its WLAN can be logically incorporated into a remote PheeNet's Wireless Switch or NAC Gateway that manages it through the internal network via secure tunnels. It means administrator can easily deploy WAP-854NP and use Wireless Switch or NAC Gateway to do Centralized AP Setup and Management, like LAN Setup, Management Setup, Time Server Setup, Wireless Basic Setup, VAP Setup, Firmware upgrade, and also powerful AP Group Management (like MAP, Dynamic Channel Allocation, Max. Client Control, MAC Filter control), and AP Group Status (Overview, Location, Device Information, Online user, Device Syslog). It helps the system administrator to easy deploy and manage AP to provide the efficient service for wireless clients.

## Application



## Features

### Wireless Feature

- (1) Number of ESSID : 8
- (2) Number of associated clients per AP : 32
- (3) Two Mode : AP Mode , WDS Mode
- (4) WDS Mode : to extend wireless coverage by connecting wirelessly to another WDS capable AP.  
Support up to 4 WDS links
- (5) Slot Time , ACK/CTS Timeout
- (6) RSSI threshold support
- (7) TX burst support
- (8) Beacon interval: adjustable to best adapt to the deployment environment
- (9) IAPP : to facilitate faster roaming for the stations among different APs nearby
- (10) 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
- (11) RTS and fragmentation control
- (12) Adjustable transmission power : 7 Levels
- (13) Wireless site survey : for scanning the surrounding access points for connection
- (14) VLAN tag support
- (15) Centralized AP Managed by WMS-308N / WSW-1808A / WSW-1804P.

## Specification

Wireless	
Standard	IEEE 802.11n IEEE 802.11g IEEE 802.11b
Frequency Band	2.4GHz
Modulation	IEEE802.11b : DSSS (DBPK,DQPSK,CCK) IEEE802.11g : OFDM(64-QAM,16-QAM,QPSK,BPSK) IEEE802.11n : BPSK,QPSK,QPSK,16-QAM,64-QAM
Security	<ul style="list-style-type: none"> <li>- Data encryption: WEP(64/128/152-bits) , WPA/WPA2 with TKIP or AES-CCMP</li> <li>- User Authentication : WEP, IEEE802.1X,WPA-PSK, WPA-Enterprise , MAC ACL</li> <li>- Setting for TKIP/CCMP/AES key's refreshing period</li> <li>- Support IEEE802.11 mixed mode, open and shared key authentication</li> <li>- Hidden ESSID: broadcast SSID option can be turn off to prevent SSID broadcast to the public</li> <li>- Station Isolation setting : when enabled , all stations associated with this AP can not communicate with each other</li> <li>- Support data encryption over WDS link</li> </ul>
Sensitivity	-92dBm
Antenna	2 X 5dBi Antenna (Reverse SMA Connector)
Output Power	100 dBm
Transmit Power Control	7 levels
Channels	802.11b/g : 11 for FCC,14 for Japan,13 for Europe, 2 for Spain, 4 for France
Operating Mode	AP Mode WDS Mode (Bridge /Repeater)
QOS	DiffServ /TOS IEEE 802.1p /COS IEEE 802.1Q Tag VLAN priority Control IEEE 801.11e WMM
Management	<ul style="list-style-type: none"> <li>Web-based administration</li> <li>Firmware upgrade by Web GUI</li> <li>Remote Link Test –Display connect statistics</li> <li>SNMP Traps to a list of IP number</li> <li>Even Log</li> <li>Support DHCP Client, Suslog Client</li> <li>Support SNMP MIBII v2c/v3</li> <li>Command Line Interface (CLI)</li> <li>NTP Time synchronization</li> <li>Support Statistics on total transmission encountered and transmitting error occurred</li> </ul>

<b>Hardware</b>	
Base Platform	Atheros AR7240 + AR9283
Clock Speed	400MHz
Reset Switch Built-in	Push-button momentary contact switch
SDRAM	On board : 32 Mbytes
Flash	On board : 8 Mbytes
Interface	10/100BASE-TX auto-negotiation Ethernet port x 2 (RJ-45 connector) ; Auto MDI/MDI-X Support 48VDC IEEE 802.3af Active Power Over Ethernet X 2
LED	1x Power, 2x LAN
Environment	Operating Temperature:-20~50°C Storage Temperature:-20~60°C Humidity: 5%~90%(non condensing)
Power Supply	110 – 220V AC Power; 12 VDC, 1.5A input. Support 802.3 af Compliant Power Over Ethernet (48V/0.3 A) System Power Consumption: 9W
Dimensions	205(W) x 125(L) x 35(H)(mm)
Weight	600g
Certificate	FCC , CE, IP50,RoHS

## **PheeNet Technology Corp.**

Rm. 3, 20F, NO. 79, Hsin Tai Wu Rd., Sec. 1,  
Hsi-Chih, Taipei, Taiwan  
<http://www.pheenet.com>

TEL:886-2-26982011 FAX:886-2-26981421

