WAP-3300NP

IEEE802.11bgn 2T2R 300Mbps High Power Ceiling / On-Wall Access Point W/ IEEE802.3at POE Built-in (Can be AP Managed by WMS-308N)
W/ 94V0 Flameproof rated

802.11bgn 300Mbps 2T2R | High Power W/Transmit Power Control | Pifa Antenna design for Better Wifi Coverage | IEEE802.3at/af POE

On-Ceiling or On-Wall Mount | Central AP Management by WLAN Controller | Support Software for AP Management (coming soon)

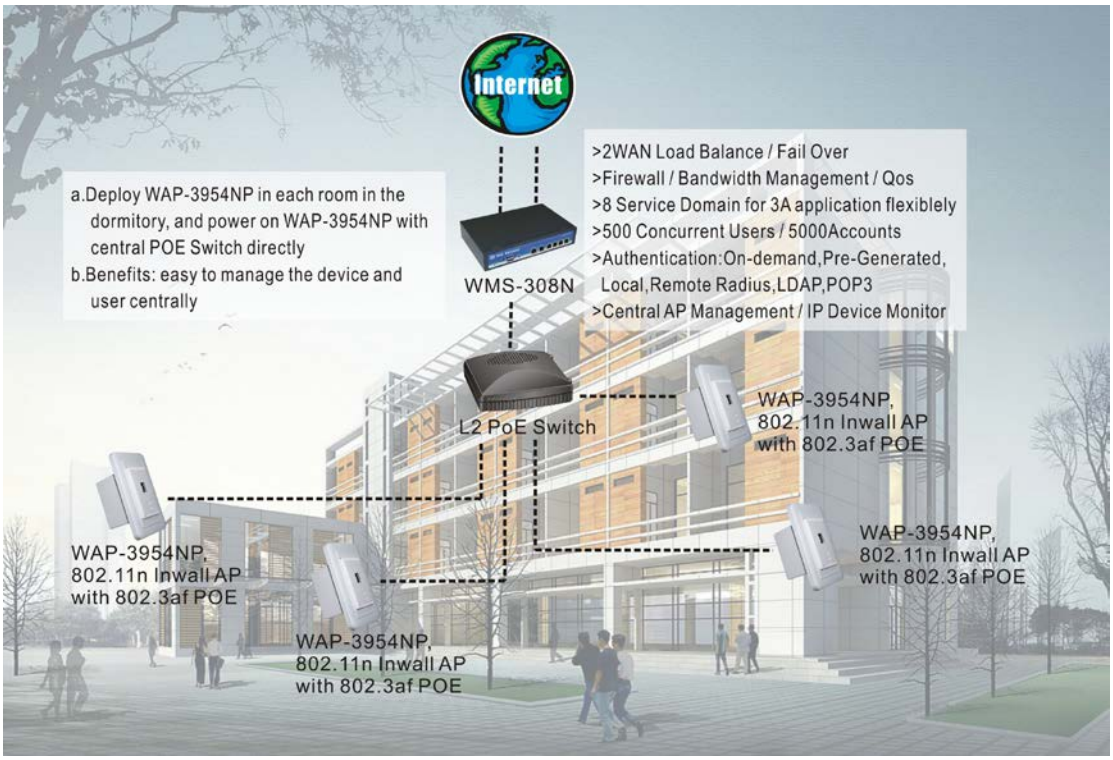
PheeNet WAP-3300NP IEEE802.11bgn 2T2R 300Mbps 800mW High Power Ceiling or Wall-Mount Wireless AP with 10/100 IEEE802.3at/af POE is designed to be mounted on the ceiling or wall.

WAP-3300NP design for high density, high security next generation deployment in large offices, schools, hospital, luxury houses, hotels, etc. Built-in high gain antenna provides Omni directional coverage specifically designed for today's open workspaces. A Multiple-pose mounting easily secures WAP-3300NP access point to ceilings and walls. For maximum concealment, the access point may be placed above ceilings or suspended ceilings.

WAP-3300NP is a 800mW high power Access Point with enhanced receive sensitivity that reliably distributes multimedia content over the standard 802.11 wifi. WAP-3300NP integrates a long-range power amplifier and high sensitivity receiver to deliver unmatched reliability and performance at large coverage application, resulting in fewer required APs for a given deployment.

And, a network administrator can centrally manage the WAP-3300NP via a Web browser or an SNMP MIB browser or PheeNet's Network Access Gateway / WLAN Controller WMS-308N. While integrating with Network Access Gateway / WLAN Controller WMS-308N, PheeNet WAP-3300NP is a best IEEE802.11bgn Indoor Ceiling / Wall-Mount Wireless AP for Public Wifi User Service Management in the Hotel, Hostel, Hospital, etc places.

Application



Features

General Features

- A compact Ceiling / Wall-Mount AP
- Supports standard IEEE802.3at/af POE
- Invisible and could blend with all interior decoration

Access Point Feature

- Number of ESSID : 8
- Number of associated clients per AP : 32
- Operation Mode : AP Mode
- Slot Time , ACK/CTS Timeout
- RSSI threshold support
- TX burst support
- Beacon interval: adjustable to best adapt to the deployment environment
- IAPP : to facilitable 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
- RTS and fragmentation control
- Adjustable transmission power : 7 Levels
- Wireless site survey : for scanning the surrounding access points for connection
- VLAN tag support

Authentication/Encryption (Wireless Security)

- Data encryption: WEP(64/128/152-bits) , WPA/WPA2 with TKIP or AES-CCMP
- User Authentication : WEP, IEEE802.1X,WPA-PSK, WPA-Enterprise , MAC ACL
- Setting for TKIP/CCMP/AES key's refreshing period
- Support IEEE802.11 mixed mode, open and shared key authentication
- Hidden ESSID: broadcast SSID option can be turn off to prevent SSID broadcast to the public
- Station Isolation setting : when enabled , all stations associated with this AP cannot communicate with each other

Quality of Service

- DiffServ/TOS
- IEEE802.11p/COS
- IEEE 802.11Q Tag VLAN priority control
- IEEE802.11e WMM

Management

- Web-Based management interface
- Remote configuration and management
- Remote firmware upgradeable
- Software one-button-click to reset back to factory defaults
- Utilities for system configuration backup and restoration
- SNMP MIBII support (v2c/v3)
- NTP time synchronization
- DHCP client
- Syslog client
- Support Event log
- Support statistics on total transmission encountered and transmitting error occurred

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 Client to Client Isolation AP to AP Isolation
Sensitivity	CCK 1M -92 dBm +- 2 CCK 11M -85 dBm +- 2 OFDM 6M -88 dBm +- 2 OFDM 54M -72 dBm +- 2 MCS0/8 -88 dBm +- 2 MCS1/9 -86 dBm +- 2 MCS2/10 -84 dBm +- 2 MCS3/11 -80 dBm +- 2 MCS4/12 -76dBm +- 2 MCS5/13 -74 dBm +- 2 MCS6/14 -72 dBm +- 2 MCS7/15 -70 dBm +- 2
Output Power	CCK 1M,2M,5.5M,11M 28dBm +- 2 OFDM 6M~36M 26dBm +- 2 OFDM 48M 24dBm +- 2 OFDM 54M 23dBm +- 2 MCS0~3 26dBm +- 2 MCS4 25dBm +- 2 MCS5 24dBm +- 2 MCS6 23dBm +- 2 MCS7 22dBm +- 2 MCS8~11 29dBm +- 2 MCS12 28dBm +- 2 MCS13 27dBm +- 2 MCS14 26dBm +- 2 MCS15 25dBm +- 2
Antenna	Built-in 2 x 2 4dBi PCB 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 Client Bridge+Repeater AP Mode
QOS	IEEE 802.1p /COS IEEE 801.11e WMM IEEE 802.11D Spanning Tree
Management	- 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 9341
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 1 (RJ-45 connector) ; Auto MDI/MDI-X Support 48VDC IEEE 802.3at/af Active Power Over Ethernet X 1
LED	1x Power, 1xLAN, 1xWireless
Environment	Operating Temperature:0~50℃ Storage Temperature:-20~60℃ Humidity: 5%~90%(non condensing)
Power Supply	Power Over Ethernet (IEEE802.3at/af) or 12V/1A DC System Power Consumption: 10W (Peak Power/Full Utilization) (Option: 12V/1A DC Adapter)
Dimensions	120(W) x 120(L) x 32(H)(mm)
Weight	150g
Certificate	FCC , CE

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