WAPD-101AC

IEEE802.11ac 5GHz and IEEE802.11bgn 2.4GHz High Power Ceiling / Wall-Mount Access Point W/ IEEE802.3at POE Built-in, and POE Pass-through Can be AP Managed by WMS-308N)
W/ 94V0 Flameproof rated

802.11ac+802.11bgn 2x2 | 5GHz & 2.4GHz concurrent | Giga 802.3at POE in W/POE Pass-through | High Power W/Transmit Power Control

On-Wall / Ceiling Mount | Central AP Management by WLAN Controller | Support software for AP management

PheeNet WAPD-101AC IEEE802.11ac 5GHz 500mW and IEEE802.11bgn 2.4GHz 800mW High Power Ceiling or Wall-Mount Wireless AP with 10/100/1000 IEEE802.3at/af POE is designed to be mounted on the ceiling or wall. WAPD-101AC support 1 Port POE through to power on another POE Device (POE IP Camera, POE AP, etc.)

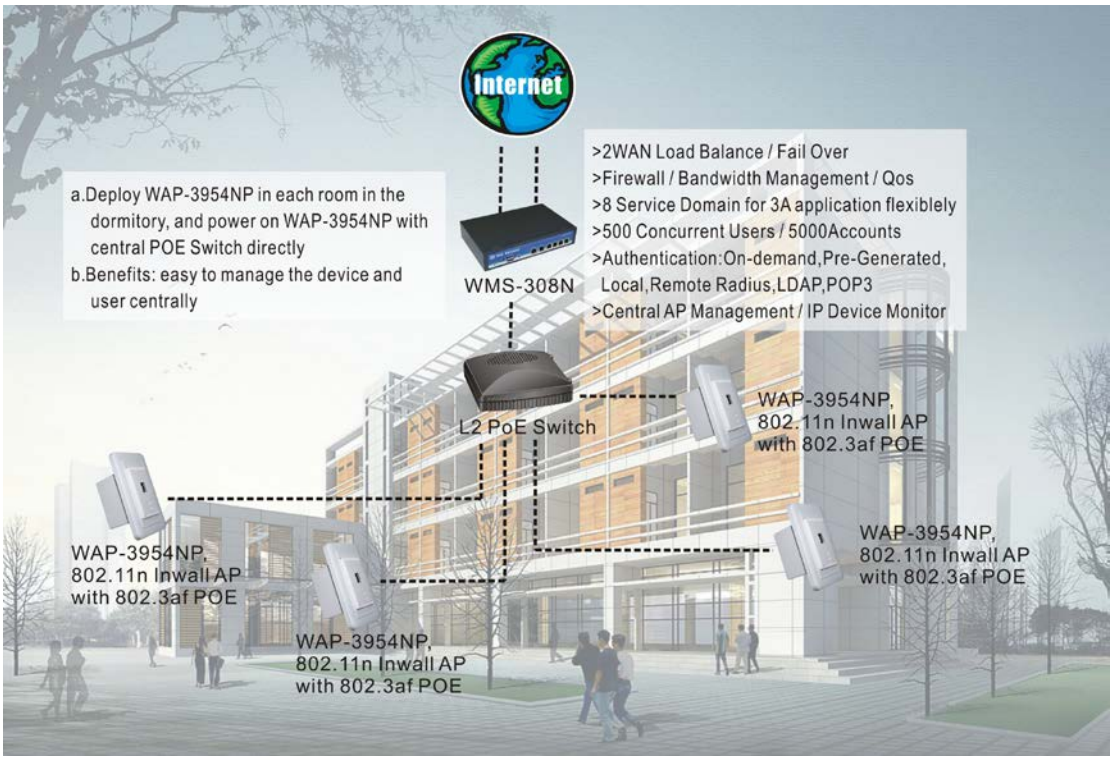
WAPD-101AC design for high density, high security next generation deployment in large offices, schools, hospital, luxury houses, hotels, etc. Built-in high gain antenna provides Omni directional coverage specifically designed for today's open workspaces. A Multiple-pose mounting easily secures WAPD-101AC access point to ceilings and walls. For maximum concealment, the access point may be placed above ceilings or suspended ceilings.

WAPD-101AC is high power Access Point with enhanced receive sensitivity that reliably distributes multimedia content over the standard 802.11 wifi. WAPD-101AC 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 WAPD-101AC via a Web browser or an SNMP MIB browser or PheeNet's Network Access Gateway / Controller WMS-308N. While integrating with Network Access Gateway / Controller WMS-308N, PheeNet

WAPD-101AC is a best IEEE802.11ac 5GHz and IEEE802.11bgn 2.4GHz 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, and one port POE pass-through for additional POE AP or IP Camera, etc. POE device
- 2.4GHz , IEEE 802.11 b/g/n (800mW); Data Rate : up to 300Mbps for 40MHz channels ;
- 5GHz, IEEE 802.11 a/n/ac (500mW); Data Rate: up to 867Mbps in 802.11ac 80MHz channels; up to 300Mbps for 40 MHz channels

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 : 9 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	IEEE802.11ac IEEE802.11n IEEE 802.11g IEEE 802.11b
Frequency Band	IEEE802.11b/g： 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) IEEE802.11 a/n/ac ： 5.150 – 5.350 & 5.725 – 5.825 GHz(USA) 4.900 – 5.250 GHz(Japan) 5.150 – 5.350 & 5.470 – 5.725GHz (Europe ETSI)
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)
Data Transfer Rate	IEEE802.11b：1 / 2 / 5.5 / 11Mbps (auto sensing) IEEE802.11g：6 / 9 / 12 / 18 / 24 / 36 / 48 / 54(auto sensing) IEEE802.11n : 300Mbps (at 40MHz) , 150Mbps (at 20MHz) IEEE802.11ac :867Mbps(at 80MHz)
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	-92dBm
Output Power	2.4GHz : 800mW 5GHz : 500mW

Antenna	Built-in 5GHz 5dBi Pifa Antenna x 2, 2.4GHz 3dBi Pifa Antenna x 2
Channels	802.11b/g/n : 11 for FCC,14 for Japan,13 for Europe, 2 for Spain, 4 for France 802.11a/n/ac : 12 For FCC , 4 for Japan 4, 18 for Europe
Operating Mode	AP Mode Client Bridge Mode WDS 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	QCA9557 +QCA9882+QCA8337
Clock Speed	720MHz
SDRAM	On board : 64 Mbytes
Flash	On board : 16 Mbytes
Interface	10/100/1000BASE-TX auto-negotiation Ethernet port x 2 (RJ-45 connector) ; Auto MDI/MDI-X Support 48VDC IEEE 802.3at/af Active Power Over Ethernet X 1, Support POE Pass-through x 1
LED	1 x Power, 2 x LAN, 1 x Wireless 2.4G, 1 x Wireless 5GHz
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	158(W) x 158(L) x 37(H)(mm)
Weight	150g
Certificate	FCC , CE

PheeNet Technology Corp.

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