



We Connect the World



WAP-3954NP-C

*IEEE802.11n High Power Ceiling Access Point
W/ Giga IEEE802.3af POE Built-in
(Can be AP Managed by WMS-308N / WSW-1808A)*

8 Multiple SSID/VLAN

Giga IEEE802.3af POE

Central AP Management

Ceiling Mount Design

PheeNet WAP-3954NP-C IEEE802.11bgn High Power Indoor Ceiling Wireless AP with IEEE802.3af POE is designed to fit into the Ceiling, and bring WiFi wireless connection.

The WAP-3954NP-C 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-3954NP-C via a Web browser or an SNMP MIB browser or PheeNet's Network Access Gateway / Controller WMS-308N or PheeNet's Wireless Switch WSW-1808A. 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 or Wireless Switch WSW-1808A, PheeNet WAP-3954NP-C is a best IEEE802.11bgn Indoor Ceiling Wireless AP for Public Wifi User Service Management in the Hotel, Hostel, Hospital, etc places.

Central AP management supported while working with WMS-308N or WSW-1808A:

- 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 ~ 2.484GHz
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	<p>11b: -90dBm@1Mbps, ±2dB -88dBm@2Mbps, ±2dB -86dBm@5.5Mbps, ±2dB -83dBm@11Mbps, ±2dB</p> <p>11g: -86dBm@6Mbps, ±2dB -84dBm@9Mbps, ±2dB -82dBm@12Mbps, ±2dB -80dBm@18Mbps, ±2dB -78dBm@24Mbps, ±2dB -75dBm@36Mbps, ±2dB -72dBm@48Mbps, ±2dB -70dBm@54Mbps, ±2dB</p> <p>11n: MCS HT20 HT40</p> <table border="0"> <tr><td>0</td><td>-85dBm, ±2dB</td><td>-83dBm, ±2dB</td></tr> <tr><td>1</td><td>-83dBm, ±2dB</td><td>-81dBm, ±2dB</td></tr> <tr><td>2</td><td>-81dBm, ±2dB</td><td>-79dBm, ±2dB</td></tr> <tr><td>3</td><td>-80dBm, ±2dB</td><td>-76dBm, ±2dB</td></tr> <tr><td>4</td><td>-78dBm, ±2dB</td><td>-72dBm, ±2dB</td></tr> <tr><td>5</td><td>-74dBm, ±2dB</td><td>-69dBm, ±2dB</td></tr> <tr><td>6</td><td>-71dBm, ±2dB</td><td>-65dBm, ±2dB</td></tr> <tr><td>7</td><td>-67dBm, ±2dB</td><td>-62dBm, ±2dB</td></tr> <tr><td>8</td><td>-85dBm, ±2dB</td><td>-83dBm, ±2dB</td></tr> <tr><td>9</td><td>-83dBm, ±2dB</td><td>-81dBm, ±2dB</td></tr> <tr><td>10</td><td>-80dBm, ±2dB</td><td>-78dBm, ±2dB</td></tr> <tr><td>11</td><td>-78dBm, ±2dB</td><td>-75dBm, ±2dB</td></tr> <tr><td>12</td><td>-75dBm, ±2dB</td><td>-71dBm, ±2dB</td></tr> <tr><td>13</td><td>-71dBm, ±2dB</td><td>-69dBm, ±2dB</td></tr> <tr><td>14</td><td>-68dBm, ±2dB</td><td>-64dBm, ±2dB</td></tr> <tr><td>15</td><td>-65dBm, ±2dB</td><td>-61dBm, ±2dB</td></tr> </table>	0	-85dBm, ±2dB	-83dBm, ±2dB	1	-83dBm, ±2dB	-81dBm, ±2dB	2	-81dBm, ±2dB	-79dBm, ±2dB	3	-80dBm, ±2dB	-76dBm, ±2dB	4	-78dBm, ±2dB	-72dBm, ±2dB	5	-74dBm, ±2dB	-69dBm, ±2dB	6	-71dBm, ±2dB	-65dBm, ±2dB	7	-67dBm, ±2dB	-62dBm, ±2dB	8	-85dBm, ±2dB	-83dBm, ±2dB	9	-83dBm, ±2dB	-81dBm, ±2dB	10	-80dBm, ±2dB	-78dBm, ±2dB	11	-78dBm, ±2dB	-75dBm, ±2dB	12	-75dBm, ±2dB	-71dBm, ±2dB	13	-71dBm, ±2dB	-69dBm, ±2dB	14	-68dBm, ±2dB	-64dBm, ±2dB	15	-65dBm, ±2dB	-61dBm, ±2dB
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Antenna	Built-in 2dBi Omni Antenna																																																
EIRP	802.11b – 26±1.5dBm 802.11g – 23±1.5dBm 802.11n – 22±1.5dBm (HT20) 802.11n – 20±1.5dBm (HT40)																																																
Transmit Control	Power Range 1-100																																																
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 (Bridge /Repeater) AP Client Mode																																																
QOS	IEEE 802.1p /COS IEEE 801.11e WMM IEEE 802.11D Spanning Tree																																																

Management	Web-based administration Firmware upgrade by Web GUI Remote Link Test –Display connect statistics SNMP Traps to a list of IP number(Option) Event Log Support DHCP Client Support SNMP MIBII v2c/v3(Option) Support Telnet(Option) Command Line Interface (CLI) (Option) NTP Time synchronization Support Statistics on total transmission encountered and transmitting error occurred
Hardware	
Base Platform	Ralink RT3052F
Clock Speed	384MHz
Reset Switch Built-in	Push-button momentary contact switch
SDRAM	On board : 32 Mbytes
Flash	On board : 8 Mbytes
Interface	WAN: 10/100/1000BASE-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
LED	1x LAN, 1x WLAN
Environment	Operating Temperature:-20~50°C Storage Temperature:-20~70°C Humidity: 5%~90%(non condensing)
Power Supply	Power Over Ethernet (48V/0.125 A) System Power Consumption: 4.5W
Dimensions	125mm diameter x 64mm depth
Weight	150g
Certificate	FCC , CE

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

