



## Overview

AP-8010NAC, a specially designed industrial grade equipment, supports a wide range of applications and operates in different modes such as Access Point, Client (CPE), Repeater and Sensor Access Point (sniffer) (For rogue AP detection).

AP-8010NAC enhanced performance supports IEEE 802.11r fast roaming for wireless clients to roam from one Access Point to another Access Point (performance may vary with different clients). It supports up to 95 concurrent users, which makes it ideal for Infrastructure and Hotspot applications. The 2.4GHz radio is based on IEEE802.11b/g/n/r standard while the 5GHz radio is based on IEEE802.11a/n/r/ac standard. AP-8010NAC also come with RfNet proven long distance wireless profiling which automatically selects the suitable data rate, burst rate and frame size to achieve a stable and optimum wireless performance over long distance communication links.

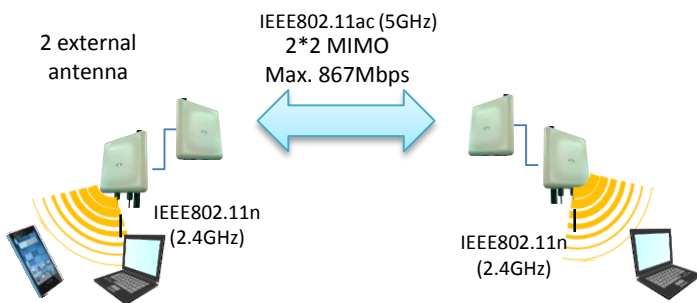
## Key Features

- IEEE802.11a/n/r/ac (5GHz) and 11b/g/n/r (2.4GHz) concurrently (AP-8010NAC-2E4S).
- Auto wireless switch off when backend uplink LAN is down to prevent wireless LAN associating to it.
- Up to 16 Multiple ESSID with independent VLAN.
- Up to 95 concurrent users.
- Supports IEEE 802.11r fast roaming time
- Redundant POE standby power & Giga LAN port (Dual POE Ports).
- Equipped with surge, over voltage and over current protection.
- Wide operating temperature -25C - +70C
- Waterproof casing IP 67
- Central monitoring and management through SNMP

## Model

**AP-8010NAC-2E4S** is able to support 4 radio streams, at 2.4GHz up to 300 Mbps (2X2) and at 5GHz can up to 867 Mbps (2x2) wireless data rate

- Two N type RF ports for external antenna.
- Two integrated antenna (2.4GHz : 3 dBi, 5.1GHz : 5 dBi)
- Dual LAN 10/100/1000 Base-T PoE port.
- Dual band(2.4GHz/5GHz) can be used concurrently.



**AP-8010NAC-2E2S** is able to support 2 radio streams up to 867Mbps wireless data rate

- Two N type RF ports for external antenna.
- Dual LAN 10/100/1000 Base-T PoE ports for input power redundancy.

## Application

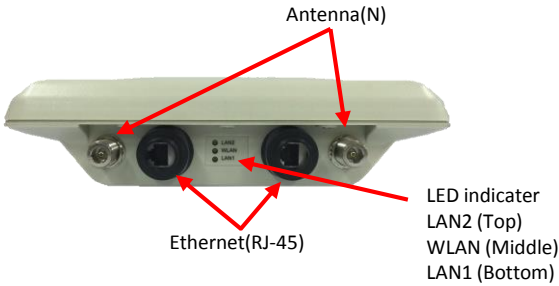
The AP-8010NAC is designed for a wide range of applications, such as:

- Wi-Fi Hotspot
- Fixed Broadband Communication
- Outdoor AP/Repeater/Bridge/Sensor AP
- Point-to-Point or Point-to-Multipoint CPE
- Wireless CCTV Surveillance
- Industrial Wireless applications

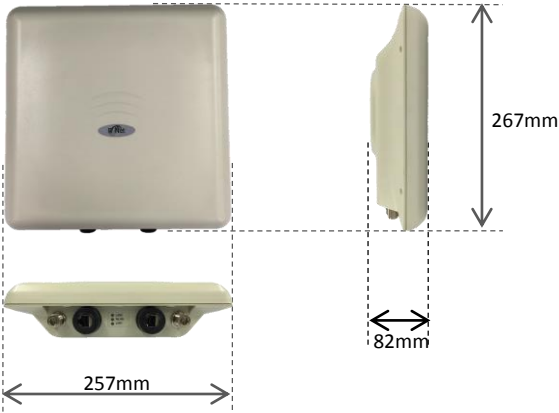
**Standard Package**

- One AP-8010NAC Access Point module
- Quick installation guide
- Pole mounting bracket Kit

**Interfaces**



**Dimension**



Wireless	
Wireless LAN Standards	IEEE 802.11a/b/g/n/r/ac
Maximum Data rate	<b>AP-8010NAC-2E4S</b> Supports 4 radio streams, up to 300 Mbps (2x2) at 2.4GHz and up to 867 Mbps (2x2) at 5GHz <b>AP-8010NAC-2E2S</b> Support 2 radio streams, up to 867Mbps (2x2) for 5GHz
Operating Frequencies	IEEE 802.11b/g/n/r: 2.412 - 2.472 GHz IEEE 802.11a/n/r/ac: 5.150 - 5.875GHz
Maximum Output Power	23dbm (5GHz, per stream), 17dBm (2.4GHz, per stream)
Antenna Type	<b>AP-8010NAC-2E4S</b> 2x external & 2x internal antenna : 5dBi(5GHz), 3dBi(2.4GHz) <b>AP-8010NAC-2E2S</b> 2x external antennae: 5dBi(5GHz)
Operation Mode	<ul style="list-style-type: none"> <li>• Wireless Access Point</li> <li>• Wireless Repeater</li> <li>• Wireless Client</li> <li>• Sensor AP (Sniffer)</li> </ul>
Channel Bandwidth	20, 40 ,80MHz

Security	<ul style="list-style-type: none"> <li>• WPA-PSK/WPA2-PSK (TKIP &amp; AES),</li> <li>• WPA/WPA2 (TLS, TTLS &amp; PEAP),</li> <li>• Static WEP up to 152 bits</li> <li>• MAC Address Control,</li> <li>• Wireless client to client isolation</li> <li>• Hidden ESSID</li> </ul>
Others	<ul style="list-style-type: none"> <li>• Supports Dynamic Frequency Selection (DFS)</li> <li>• Transmit Power Control (TPC)</li> <li>• Supports 802.11i</li> <li>• Supports up to 250 concurrent clients in PTMP mode</li> <li>• Support 16 ESSID in Access Point mode (optional)</li> </ul>

Interface	
Power IN	Pseudo POE, Non 3af POE support
LAN port	2x10/100/1000 BaseT
WiFi Antenna	N(F) connector
LED	LAN2 (top) WLAN (middle) LAN1 (bottom)
Environmental	
IP Rating	IP67
Operating temperature	-25°C to +70°C
Storage temperature	-30°C to +85°C
Humidity	10% ~ 95% max non-condensing
General	
Dimension LxWxH	267 x 257 x 82 mm
Weight	1.3 kg
Power consumption	16 Watts
Compliant	CE, RoHS
Mounting	Wall and Pole Mounting
Surge Protection (Radio)	IEC 61000-4-2 (ESD) ±2kV (air), ±1kV (contact)
Surge Protection (LAN)	IEC 61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC 61000-4-4 (EFT) 40A (5/50ns) IEC 61000-4-5 (Lightning) 24A (8/20µs)
Certification Directive	CE
Safety	EN 60950
RF	EN 301893, EN 300328
RF EMC	EN 301489
EMC Emission	EN 55022
EMC Immunity	EN 61000

Management Function	
Management	<ul style="list-style-type: none"> <li>• Web management</li> <li>• SNMP V1, V2c &amp; V3 management and SNMP trap</li> <li>• Time setting (Current time, time zone &amp; NTP client)</li> <li>• Access Point monitoring (ping external device in client mode only)</li> <li>• Firmware upgradable</li> <li>• Supports Command-Line Interface (CLI)</li> </ul>
Security	<ul style="list-style-type: none"> <li>• IP filtering (Source IP &amp; destination IP)</li> <li>• Port filtering (Source port &amp; destination port)</li> <li>• Device administration access level                             <ul style="list-style-type: none"> <li>- Normal user (monitoring and basic setting)</li> <li>- Super user (advance setting &amp; firmware upgrade)</li> </ul> </li> <li>• Supports local and remote authentication using RADIUS Server</li> </ul>
Network	<ul style="list-style-type: none"> <li>• Prioritization of data type</li> <li>• Static and dynamic DHCP client</li> <li>• DHCP server</li> <li>• Support VLAN tagging (IEEE 802.1q) and pass through</li> </ul>

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