Air Pro

AIR-AP310C Indoor Access Point, up to 300Mbps wireless high-performance Wi-Fi for SMEs

AIR-AP310C

Boost your wireless signal and enjoy ultimate coverage

Quick Overview

AirPro AIR-AP310C is purpose-built indoor wireless access points specially designed for small and medium-sized businesses (SME). In today's fast-changing business environment, a reliable and high-performance Wi-Fi infrastructure plays a vital role to ensure business continuity. AirPro AP310C with Single-band Indoor 802.11n Access Point, 2 spatial streams (2.4GHz), access rate up to 300Mbps, optimized for high-density users in the SME environment which catering up to 128 Maximum clients per AP without any issue.

- Maximize ROI (Lifetime Free Cloud Management & WIS Optimization Service).
- Hybrid Management (Cloud / Controller / Standalone).
- Fast Provisioning by AirPro Cloud.
- Automated Radio Optimization by Big Data Technology.
- Stylish Design (Integrated Antenna).
- Single-Band access points in AirPro SME AP Series.

What does this product do?

AirPro truly understands the challenges of having the best class of Wi-Fi in the SME environment. With the Single-band radio and 300Mbps Maximum throughput per AP of this AirPro's product within SME AP Series, a cost-effective way to increase your overall Wi-Fi network operational efficiency and enable highly secure wireless for employee and guest access.

- AirPro's Cloud Service is an easy and efficient cloud solution for chain stores, small and medium-sized businesses, and boutique hotels.
- The solutions include equipment deployment, monitoring, network optimization, and operational lifecycle management, enabling customers with simple plug-and-play deployment, operation, and maintenance.

In today's SME environment landscape, there are many challenges facing the business owners to provide good performance by using highly reliable Wi-Fi networks. It's also one of the most important internal business requirements, which also offers guest Wi-Fi services to visitors. Few common challenges of customers:

- Insufficient budget for Wi-Fi
- Require simple Wi-Fi deployment
- Lack of IT staff to manage the Wi-Fi
- Customers complain about the Wi-Fi

Enterprise-grade High Product Quality -
Free AirPro Cloud -
- Free public cloud services from AirPro to provide a centralized device management platform for SME customers.
- It provides a single pane of glass to deploy, manage & optimize your wired and wireless equipment without the need of specialized IT staff.
- Airpro Cloud also helps you deploy and monitor your network on-the-go.

Enterprise Support for SME -
- AirPro SME products are all bundled with an exclusive 3-year product warranty free of charge.
- AirPro customers can also enjoy complimentary professional online support which is staffed with AirPro certified experts to respond to your problems efficiently.

Key Feataures

AirPro-AP310C is specially designed for dense Wi-Fi usage environments like Restaurant, Hotel Reception & Conference Room, Student Lecture Hall, etc. Up to 128 clients per AP supported by AIR-AP310C, max wireless throughput up to 300Mbps, this is taken advantage of IEEE 802.11b/g/ n Single-band radio design, with single 2.4G: 3dBi for client access. Each radio can effectively load balance the traffic without bringing additional interference for the environment.
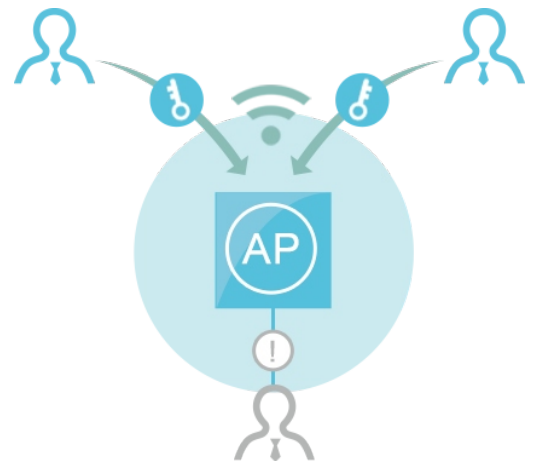
Flexible Hybrid Management -
- AirPro SME AP offers the flexibility for SME to choose the mode of management. There are 3 different management modes for selection.
- For the AirPro Cloud option, no extra cost or firmware upgrade is required, which saves company expenses and time.

Stylish Design -
- SME APs all employ a simplistic and stylish design to fit different scenarios.
- The APs feature an integrated antenna design and hidden LAN port along with hidden cabling to hide the messy wires, which gives a professional and simplistic deployment style that is less noticeable.

PPSK Enterprise Authentication -
- For internal staff, it is hassled to maintain the pre-defined PSK and distribute it among them.
- Especially for the offboarding employees, potential Wi-Fi PSK leaked out could be harmful to your network.
- With AirPro PPSK, you now can easily provide different Wi-Fi passwords for each user.
- It is tied to individual end-user devices like laptops or smartphones and the same password can't be used by others.
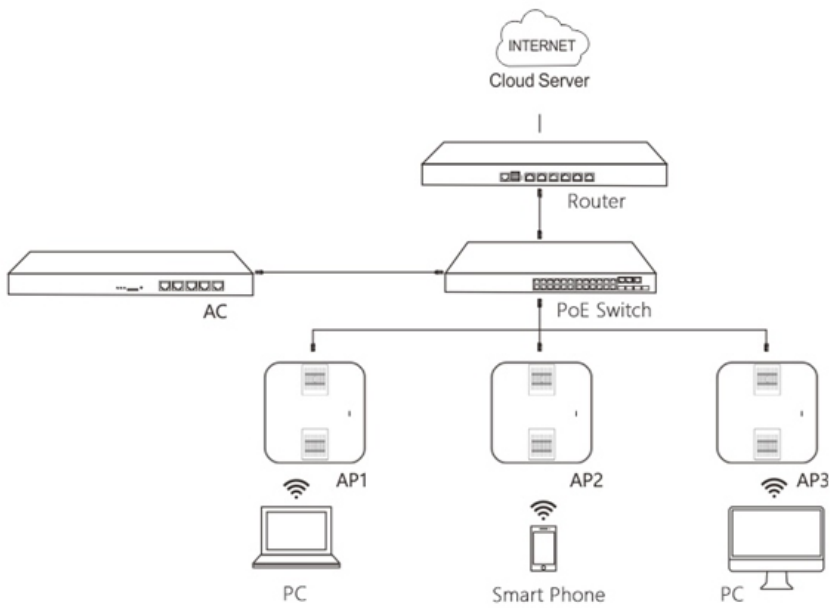- The possibility of a Wi-Fi password leak is eliminated completely.

Relevant Standard -
- Wi-Fi Alliance Certification (Support)
- Radio Standard (EN300 328 | EN301 893)
- EMC Standard (GB9254, EN301 489-1, EN301 489-17, EN 55032, EN 61000, EN 55035)
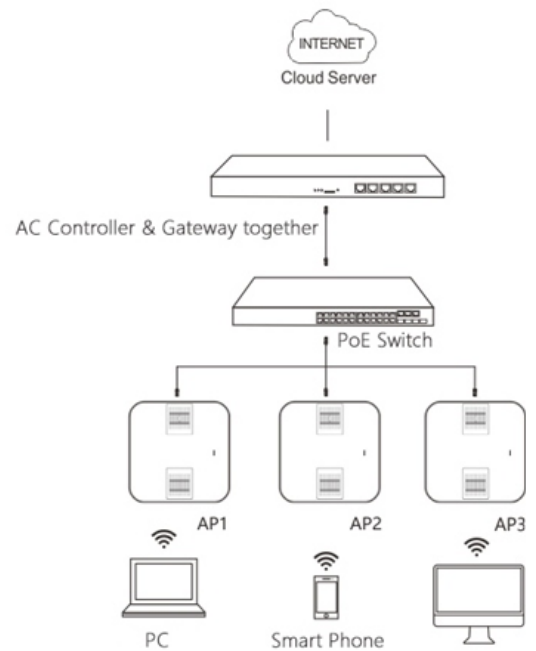- Safety Standard (GB4943 EN/IEC 60950-1)

DATASHEET

Air Pro

TECHNICAL SPECIFICATIONS

Hardware	
Target Deployment	Retail Chain Store, Small & Medium-sized Business Office, Boutique Hotel
Type	Indoor Ceiling/Wall-mounting
Radio	Single band
Protocol	802.11b/g/n
Operating Bands	802.11b/g/n: 2.4GHz to 2.483GHz
Antenna	Built-in Omni-directional Antenna
Antenna Gain	2.4G: 3dBi
Max Throughput	Maximum throughput of 2.4G: 300Mbps Maximum throughput per AP: 300Mbps
Basic Spec	
Modulation	OFDM: BPSK@6/9Mbps, QPSK@12/18Mbps, 16-QAM@24Mbps, 64-QAM@48/54Mbps DSSS: DBPSK@1Mbps, DQPSK@2Mbps, and CCK@5.5/11Mbps MIMO-OFDM: BPSK, QPSK, 16QAM, 64QAM
Receiver Sensitivity	11b: -96dBm (1Mbps), -93dBm (5Mbps), -89dBm (11Mbps) 11g: -91dBm (6Mbps), -85dBm (24Mbps), -80dBm (36Mbps), -74dBm (54Mbps) 11n: -90dBm (MCS0), -70dBm (MCS7), -89dBm (MCS8), -68dBm (MCS15)
Spatial Streams	2x2
Maximum Transmit Power	100mW
IP Rating	Ip41
Software	
Ports	1 10/100/1000BASE-T Ethernet uplink Port LAN1 supports PoE
Power Supply	Local power supply (DC 12V/1A) PoE (802.3af)
Power Consumption	<7.5W
Maximum clients per AP	128
BSSID capacity	16
Remote Intelligent Perception Technology (RIPT)	Support
Intelligent load balancing based on the number of users or traffic	Support
STA control	Support
Bandwidth control	Support
Preference for 5GHz (band select)	Support
Work Environment	
Temperature	Working Temperature: -20°C to 55°C Storage Temperature: -40°C to 70°C
Humidity	5% to 95% (typical)
Packing	
AIR-AP310C Setting Accessory User Manual LAN CABLE	

AirPro Wi-fi Solution

INTERNET
Cloud Server

Router

AC

PoE Switch

AP1

AP2

AP3

PC

Smart Phone

PC

Connection Diagram 1

INTERNET
Cloud Server

AC Controller & Gateway together

PoE Switch

AP1

AP2

AP3

PC

Smart Phone

Connection Diagram 2

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