PA-3120A

AC1200 Wave 2 Dual Band, Ceiling Gigabit AP with PoE

Introduction

The PA-3120A is a gigabit dual-band ceiling access point which support IEEE 802.11AC Wave 2. It offers a concurrent data rate as high as of 1167 Mbps. Powered by MU-MIMO technology, a single PA-3120A can simultaneously communicate with multiple clients, greatly improving the throughput and bettering user experience. The built-in omni-directional antennas optimize signal radiating directions, broadening the wireless coverage of a single AP.

PA-3120A can be powered by PoE sourcing equipment that compliant with IEEE 802.3af/at. With its ceiling installation design and sleek appearance, it simplifies wireless networking for enterprises, hotels and other public indoor spaces.

Key Features

- IEEE 802.11 a/b/g/n/ac compliant
- Support IEEE802.3af/802.3at compliant
- Up to 1167 Mbps dual-band data rate
- Extend WiFi coverage area
- Support Web UI configuration

- 1 x Gigabit port with PoE
- MU-MIMO which enable communication over 2:2 spatial streams for high throughput
- Supports to be centrally managed by LINK Wireless AP Controller (PA-3191) that includes AC functionality

Product Features

Gigabit internet connections for ultra-fast experience
Up to 1167 Mbps dual-band data rate, and the Gigabit Ethernet port offers you ultra-fast internet connections.

IEEE 802.11ac Wave 2 and MU-MIMO (2x2 MIMO)
Compliant with IEEE 802.11ac Wave 2 and powered by MU-MIMO technology, a single PA-3120A can communicate with multiple wireless clients simultaneously, leading to higher throughput.

2.4 GHz and 5 GHz bands for more connected clients
The dual-band wireless design allows clients that support 2.4 GHz and/or 5 GHz bands to connect to the AP at the same time, tripling the quantity of connected clients of traditional single-band AP.

Built-in omni-directional antennas
With the optimized built-in high-gain omni-directional antennas, PA-3120A outperforms in radiating wireless signals, and greatly broadens its wireless coverage.

Built-in RF optimization
PA-3120A supports RF optimization technology and integrates with various algorithms for interference mitigation. Features include multi-user fairness, interference filtering, speed optimization, and signal strength guarantee.

VLAN tagging for SSID
PA-3120A allows you to set multiple SSIDs, and the IEEE 802.11q VLAN-compliant feature enables you to add VLAN tags for SSIDs, thus protecting the security of your network.

Standard PoE sourcing and DC power supply for easy deployment
PA-3120A can be powered by PoE sourcing equipment that compliant with IEEE 802.3af/at as well as the power adapter.

Centralized management
PA-3120A can be centrally managed and configured through LINK Wireless AP Controller (PA-3191) that includes AC functionality, relieving the burdens of network administrators for management, configuration and monitoring of all access points.

Product Specifications

Product Information	
Model	PA-3120A
Appearance	Ceiling
Dimensions	178 mm * 178 mm * 38 mm

Hardware Specifications	
Standard Compliance	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3af, IEEE 802.3at IEEE 802.11a/b/g/n/ac
Ethernet Port	1 x 10/100/1000Base-T, RJ45 (support PoE, Auto MDI/MDI-X and Auto-Negotiation)
Frequency band	2.4 GHz, 5 GHz
2.4 GHz Data Rate	Up to 300Mbps
5 GHz Data Rate	Up to 867Mbps
Button	1x Reset
LED indicator	1x Power
Max. Power Consumption	Full-load 13.5W

Software Specifications	
Operating mode	AP
Hide SSID	Supported
Max. of SSID	2.4 GHz: 8, 5 GHz: 4
Max. connected clients	2.4 GHz: 128, 5 GHz: 128
WEP	Supported
WPA-PSK	AES/TKIP
WPA2-PSK	AES/TKIP
WPA-Enterprise	Supported
WPA2-Enterprise	Supported
Access control	MAC address-based
Adjustable power transmit	Supported
Frequency analysis	Supported
AP isolation	Supported
Connected clients control	Supported
RSSI threshold	Supported
WMM	Supported
VLAN tagging for SSID	Supported (IEEE802.1q)
Antenna gain	4 dBi
2.4 GHz max. output power	23 dBm
5 GHz max. output power	23 dBm
2.4 GHz RX sensitivity	-93 dBm
5 GHz RX sensitivity	-93 dBm
Diagnostics tool	Ping
Scheduled reboot	Supported
Reboot at specified interval	Supported
SNMP	Supported (SNMPv2c)

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Product Specifications

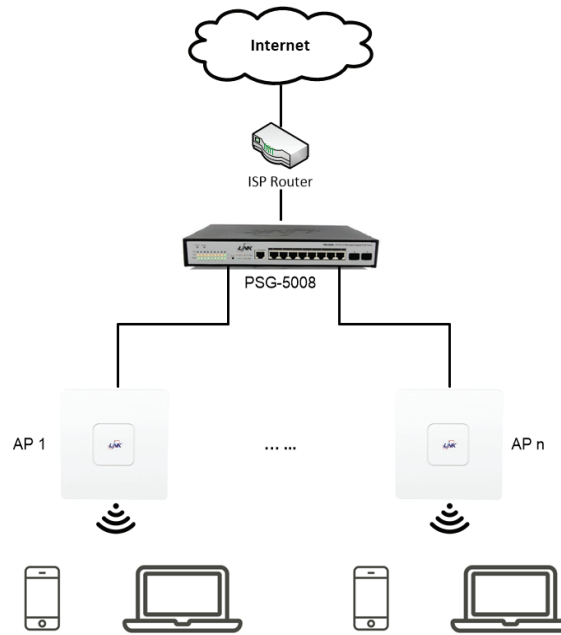| Software Specifications	
Management	Web UI (HTTP)
System logs	Supported
Firmware upgrade	Local and AC upgrade
Reboot	Local and AC reboot
Reset	Local and AC reset
Backup configuration	Supported
Restore configuration	Supported
Operating Environment	
Default login IP address	192.168.0.254
Default user name	admin
Default password	admin
Operating temperature	-10°C to 40°C
Operating humidity	(10% - 90%) RH, non-condensing
Storage temperature	-30°C to 70°C
Storage humidity	(5% - 93%) RH, non-condensing
Certificates	
Certificates	CE, FCC and RoHS
Packaging	
Giftbox	Yes
Ceiling Gigabit AP	1
Bracket	1
Plastic nut	4
Plastic anchor	4
Screw	4
Quick installation guide	Yes
Power adapter	N/A (Optional)

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Stand Alone Management

Wireless AP Controller Management

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