



PA-3120A



LINK AMERICAN STANDARD

Wi-Fi ACCESS POINT

AC 1200Mbps Wave 2 Dual Band, Ceiling Gigabit ACCESS POINT w/PoE

Scope of Application

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.

Features Highlight

Key Features

- IEEE 802.11a/b/g/n/ac compliant
- Support IEEE802.3af/at
- Up to 1167 Mbps dual-band data rate
- 1 x Gigabit RJ45 port with PoE
- Extend WiFi coverage area
- MU-MIMO which enable communication over 2:2 spatial streams for high throughput
- Support Web UI configuration
- Support wireless clients roaming to automatically connect to AP with a better signal
- FCC, CE and RoHS Compliant

Features Highlight

Product Features

Support Auto-MDI/MDIX

Adjusts automatically to straight-through or crossover on all 10/100/1000Base-T RJ45 port.

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 802.1Q VLAN-compliant feature enables you to add VLAN tags for SSIDs, thus protecting the security of your network.

Standard PoE sourcing

PA-3120A can be powered by PoE sourcing equipment that compliant with IEEE 802.3af/at.





Technical Data

Standards	
IEEE 802.3	10Base-T (Ethernet)
IEEE 802.3u	100Base-TX (Fast Ethernet)
IEEE 802.3ab	1000Base-T (Gigabit Ethernet)
IEEE 802.3af	Power over Ethernet (PoE)
IEEE 802.3at	Power over Ethernet Plus (PoE+)
IEEE 802.1Q	VLAN tagging
IEEE 802.11a/b/g/n/ac	Wi-Fi Standard
Hardware Specifications	
Port	1 x 10/100/1000Base-T, RJ45 supports PoE
Frequency band	2.4 GHz and 5 GHz
2.4 GHz Data Rate	Up to 300Mbps
5 GHz Data Rate	Up to 867Mbps
Button	Reset
LED indicator	Power
Max. Power Consumption	Full-load 13.5W
Software Specifications	
Operating mode	AP, Client+AP (Repeater, Bridge, Bridge+AP)
Max. of SSID	2.4 GHz: 8, 5 GHz: 4
Max. connected clients	128 (2.4 GHz & 5 GHz)
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
Security Mode	WEP WPA-PSK WPA2-PSK WPA-Enterprise WPA2-Enterprise
Encryption	AES/TKIP
Device Management	Web management interface (GUI), HTTP Scheduled reboot Reboot at specified interval Reboot by local and AC Reset by local and AC System logs Firmware upgrade by local and AC Backup configuration Restore configuration Diagnostics tool (Frequency analysis, Ping)
Network Management	SNMPv2
Features	Access control (MAC address-based), Hide SSID, Adjustable power transmit, AP isolation, Connected clients control, RSSI threshold, WMM, VLAN tagging for SSID,

Mechanical and Environment	
Housing	Plastic
Dimensions (W x H x D)	178 x 38 x 178 (mm)
Appearance	Ceiling
Operating Temperature	-10°C to 40°C
Storage Temperature	-30°C to 70°C
Operating Humidity	10% to 90% RH (non-condensing)
Storage Humidity	5% to 93% RH (non-condensing)
Certifications	
EMC	FCC & CE Approved
Green Product	RoHS
Ordering Information	
PA-3120A	AC 1200Mbps Wave 2 Dual Band, Ceiling Gigabit ACCESS POINT w/ PoE

Note :

* Specifications subject to change without notice.

Application

