PA-3610

Wi-Fi 6 Dual Band, Long Range Gigabit Access Point w/PoE

Introduction

PA-3610 is designed based on the new Wi-Fi 6 technology. It realizes a bandwidth of 160 MHz and a 5GHz rate as high as 2.4Gbps. The application of such new technologies as OFDMA, spatial multiplexing, and MU-MIMO drives the network capacity with greatly improving the throughput and bettering user experience. The high-power RF design helps maintain the quality of Wi-Fi signal even over a long distance, so that wireless clients and AP can work under the high-performance Wi-Fi 6 mode. PA-3610 is a perfect choice to deploy high-performance Wi-Fi networks.

PA-3610 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/ax compliant
- Power input with 802.3af/802.3at PoE
- Up to 3000 Mbps dual-band data rate
- Extend WiFi coverage area
- Support Web UI configuration
- 1 x Gigabit port with PoE, 1 x Gigabit Ethernet port
- 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

- **3 Gbps Wi-Fi, 2.5 times higher rate**
  Both the 2.4 GHz and the 5 GHz radio bands support the new Wi-Fi 6 standard and the concurrent Wi-Fi rate is as high as 3Gbps, 2.5 times that of the last-generation of AP (AC1200).

- **Higher capacity**
  Supporting OFDMA, SR, and MU-MIMO, 802.11ax greatly improves the system capacity compared with the last generation 802.11ac. With the TWT technology, AP can uniformly schedule the wakening and sleep of clients, significantly reducing client conflicts and unnecessary wakeups, and therefore is suitable for high-density crowd scenarios where large numbers of clients are deployed.

- **More than 20% wider Wi-Fi coverage**
  With the long OFDM symbol transmission mechanism and 2MHz narrowband transmission, the 802.11ax protocol significantly reduces packet loss rate and noise interference, and improves the receiving sensitivity of clients. In addition, PA-3610 adopts a high-specification RF amplifying circuit, greatly widening the Wi-Fi coverage.

- **Strong anti-interference capability**
  Supporting BSS coloring, dynamic CCA threshold and power control, the 802.11ax protocol significantly reduces the channel interference in high-density scenarios and improves the utilization rate of spectrum resources, improving the anti-interference capability compared with 802.11ac.

- **Higher security**
  The Wi-Fi 6 AP supports the new-generation WPA3 Wi-Fi encryption protocol. Under the WPA3 encryption protocol, even the simple password cannot be cracked, greatly enhancing the security of Wi-Fi networks.

- **Intelligent roaming protocol**
  Supporting the intelligent roaming technology based on the 802.11kv protocol, PA-3610 enables wireless clients to automatically connect to AP with a better signal, effectively enhancing the user experience.

- **Standard PoE supported, Easy deployment**
  The efficient components and excellent hardware design guarantee the standard 802.3af/at power supply to 802.11ax dual-band gigabit AP, making installation and deployment simpler.effectively enhancing the user experience.

- **Centralized management**
  PA-3610 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.

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Product Specifications

Product Information	
Model	PA-3610
Appearance	Ceiling
Dimensions	250 mm * 55 mm

Hardware Specifications	
Standard Compliance	IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3at IEEE 802.11a/b/g/n/ac/ax
Ethernet Port	1 x 10/100/1000Base-T PoE, RJ45 (Auto MDI/MDI-X and Auto-Negotiation) 1 x 10/100/1000Base-T, RJ45 (Auto MDI/MDI-X and Auto-Negotiation)
Frequency band	2.4 GHz, 5 GHz
2.4 GHz Data Rate	Up to 574Mbps
5 GHz Data Rate	Up to 2402Mbps
Channel width	20 MHz / 40 MHz / 80 MHz / 160 MHz
MU-MIMO	2 x 2 MU-MIMO
Button	1x Reset
LED indicator	RGB
Max. Power Consumption	15.74W

Software Specifications			
Operating mode	AP	Antenna gain	4 x 4 dBi
Hide SSID	Supported	2.4 GHz max. output power	29 dBm
Max. of SSID	2.4 GHz: 7, 5 GHz: 4	5 GHz max. output power	29 dBm
Max. connected clients	2.4 GHz, 5 GHz: 254	2.4 GHz RX sensitivity	-97 dBm
OFDMA	Supported	5 GHz RX sensitivity	-95 dBm
Beamforming	Supported	Diagnostics tool	Ping
TWT	Supported	Scheduled reboot	Supported
WEP	Supported	Reboot at specified interval	Supported
WPA-PSK	AES/TKIP	Management	Web UI (HTTP)
WPA2-PSK	AES/TKIP	System logs	Supported
WPA3-SAE	AES/TKIP	Firmware upgrade	Local and AC upgrade
WPA-Enterprise	Supported	Reboot	Local and AC reboot
WPA2-Enterprise	Supported	Reset	Local and AC reset
802.11k/v	Supported	Backup configuration	Supported
Access control	MAC address-based	Restore configuration	Supported
Adjustable power transmit	Supported		
Connected clients control	Supported		
RSSI threshold	Supported		
WMM	Supported		
VLAN tagging for SSID	Supported (IEEE802.1q)		

Specifications subject to change without notice.

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Product Specifications

Operating Environment	
Default login IP address	192.168.0.254
Default user name	admin
Default password	admin
Operating temperature	-10°C to 45°C
Operating humidity	(10% - 90%) RH, non-condensing
Storage temperature	-30°C to 70°C
Storage humidity	(10% - 90%) RH, non-condensing
Certificates	
Certificates	CE, FCC and RoHS
Packaging	
Giftbox	Yes
Ceiling AP	1
Mounting kit	1
Plastic nut	3
Plastic anchor	3
Screw	3
Quick installation guide	Yes
Power adapter	PoE Adapter with PoE Power Injector

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Stand Alone Management