

W63AP

AC1200 Wave 2 Gigabit Access Point

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Product Introduction

The IEEE 802.11ac Wave 2-compliant W63AP is a gigabit dual-band ceiling access point. It offers a concurrent data rate as high as of 1167 Mbps. Powered by MU-MIMO technology, a single W63AP 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. W63AP can be powered by PoE sourcing equipment that compliant with IEEE 802.3at. With its ceiling installation design and sleek appearance, it simplifies wireless networking for enterprises, hotels and other public indoor spaces.



Key Features

- Gigabit port
- Up to 1167 Mbps dual-band data rate
- MU-MIMO for high throughput
- Supports to be centrally managed by all IP-COM access controllers (AC) and enterprise routers 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

Compliant with IEEE 802.11ac Wave 2 and powered by MU-MIMO technology, a single W63AP 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, W63AP outperforms in radiating wireless signals, and greatly broadens its wireless coverage.

Built-in RF optimization

W63AP 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

W63AP 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

W63AP can be powered by PoE sourcing equipment that compliant with IEEE 802.3at, as well as the power adapter.

Centralized management

W63AP can be centrally managed and configured through all IP-COM access controllers (AC) and enterprise routers that includes AC functionality, relieving the burdens of network administrators for management, configuration and monitoring of all access points.

Specifications

Product Information

Model	W63AP
Appearance	Ceiling
Dimensions	178 mm * 178 mm * 38 mm

Hardware Specifications

Frequency band	2.4 GHz, 5 GHz
Wireless standards	IEEE 802.11a, IEEE 802.11b, IEEE 802.11g, IEEE 802.11n, IEEE 802.11ac
2.4 GHz data rate	1 - 300 Mbps
5 GHz data rate	6 - 867 Mbps
Ethernet port	1*10/100/1000 Base-TX port
Button	1*Reset
LED indicator	1*Power
Max. power consumption	Full-load 13.5W
Power supply standard	IEEE 802.3at

Software Specification

Operating modes	AP, Client + AP
Hide SSID	Supported
Max. No. 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	Supported
WPA2	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

Specifications

Antenna gain	4 dBi
2.4 GHz max. output power	23 +/- 1.5 dBm
5 GHz max. output power	23 +/-1.5 dBm
802.11b RX sensitivity	-93 dBm
2.4 GHz 802.11n (MCS7) RX sensitivity	-72 dBm
5 GHz 802.11a RX sensitivity	-93 dBm
5 GHz 802.11n (MCS7) RX sensitivity	-74 dBm
LED indicator control	Supported
Diagnostics tool	Ping, Traceroute
Scheduled reboot	Supported
Reboot at specified interval	Supported
Management	Web UI
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 - 45°C
Operating humidity	(10% - 90%) RH, non-condensing
Storage temperature	-30°C - 70°C
Storage humidity	(10% - 90%) RH, non-condensing

Packaging

Packaging	
Giftbox	Yes
Wireless ceiling AP	1
Bracket	1
Plastic nut	4
Plastic anchor	4
Screw	4
Power adapter	NA
Quick installation guide	1
GPL	1
Certificates	
Certificates	CE\FCC\RoHS

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