

**Model: ASC-1200L**  
**Series: APOLLO**



**11ac 1200Mbps Ceiling Wireless Access Point**



## Overview

Apollo ASC-1200L is a high-performance 802.11ac Wave 2 Indoor Access Point, which provides an economical solution for deploying an efficient wireless network. With a 2x2 MU-MIMO dual-radio design, ASC-1200L delivers 1200Mbps combined throughput over 2 radios for uncompromising wired-like performance for all industry verticals such as classrooms, conference centers, offices, hotels, hospitals, and shopping malls.

ASC-1200L is purpose-built to perform and allows users to enjoy seamless HD movies, streaming and online gaming applications. Built-in Intelligent RF optimization and QoS enforcement ensure that the ASC-1200L provides always-on connectivity for data, high-bandwidth applications or low-latency applications.

These AP's are ideal for deployment in hotels and restaurants to give guests the home away from home experience with Wi-Fi that extends from the lobby to guest rooms and everywhere in between. Hardware and cloud based management with an intuitive dashboard and user-friendly configuration; flexible solutions for guest rooms, conference centers, and garden/pool areas; and broader area coverage with directional antennas provide a one-stop solution for hospitality customers.

For enterprise and SMB requirements, AADONA access points provide excellent user handling capacity with 11ac Wave 2 technology. Modern office spaces have clients sitting in open bays and adjoining cabins/conference rooms, Apollo ASC-1200L AP offers a seamless wireless network to support business applications and multiple client devices. An office floor with up to 100 users can be easily catered to with few AP's. With firewall policies, these AP's can secure the corporate network from external attacks and internal malicious activities. These APs are best suited for indoor hot spot requirements like shopping malls and food courts. With a guest network, you can enable secured guest access with easy on-boarding using the captive portal.

These APs are also appropriate for educational campuses like schools and universities. With smart classes, all students access study resources on tablets and laptops during the day and night. ASC-1200L provides excellent coverage and seamless connectivity to students for exploring new concepts online on the go. ASC-1200L can be configured as a standalone AP, or managed by Apollo hardware or cloud controller to provide advanced features like Firewall and role-based access control system (local authentication with captive portal), that allows you to deploy a highly secure WLAN network with seamless enterprise-class experience for all connected users.

## Main Features:

- Simultaneously running 2.4GHz (300Mbps) and 5GHz (867Mbps) to achieve maximum wireless throughput.
- The heat sink adopts a buckle structure design and special surface coating treatment, resulting in more ideal heat dissipation effect.
- Supports two power supply modes: 48V PoE and DC 12V.

## Hardware Specification

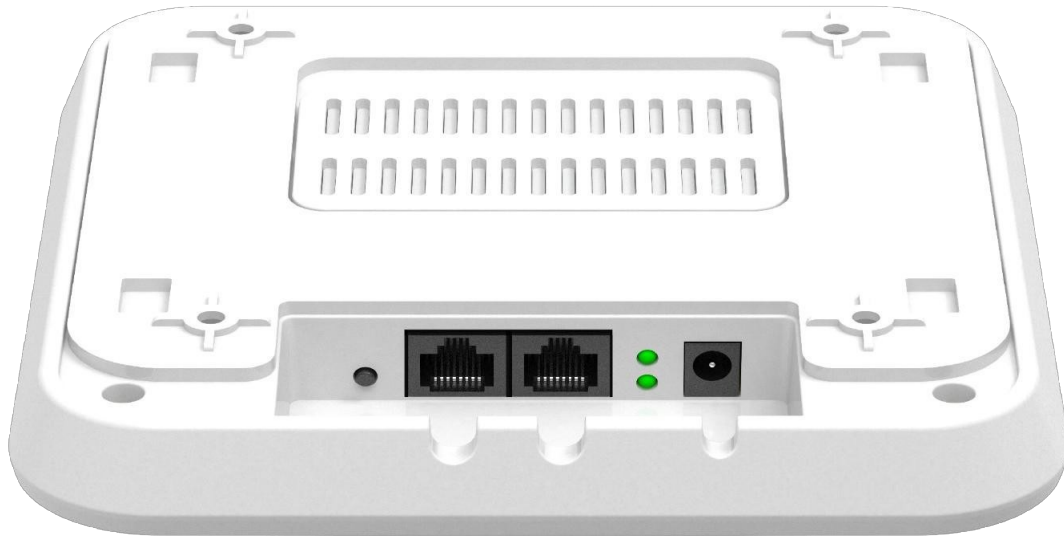
Model	ASC-1200L				
2.4G Frequency	2.4GHz – 2.484GHz				
2.4G Protocol	802.11 b / g / n				
5G Frequency	5.150GHz ~ 5.850GHz				
5G Protocol	802.11 a / n / ac				
2.4G Antenna	2*4.6DBi				
5G Antenna	2*4DBi				
Data Rate	2.4G: 300Mbps, 5G: 867Mbps				
2.4G TX Power	802.11b	11M	18 ± 2dBm	1M	20 ± 2dBm
	802.11g	54M	17 ± 2dBm	6M	19 ± 2dBm
	802.11n HT 20	MCS7	16 ± 2dBm	MCS0	18 ± 2dBm
	802.11n HT 40	MCS7	15 ± 2dBm	MCS0	17 ± 2dBm
5G TX Power	802.11a	54M	20 ± 2dBm	6M	22 ± 2dBm
	802.11n HT 20	MCS7	19 ± 2dBm	MCS0	21 ± 2dBm
	802.11n HT 40	MCS7	18 ± 2dBm	MCS0	20 ± 2dBm
	802.11ac VHT80	MCS9	17 ± 2dBm	MCS0	19 ± 2dBm
2.4G Receiving Sensitivity	802.11b	11M	-85 dBm	1M	-94 dBm
	802.11g	54M	-72 dBm	6M	-90 dBm
	802.11n HT 20	MCS7	-70 dBm	MCS0	-88 dBm
	802.11n HT 40	MCS7	-68 dBm	MCS0	-86dBm
5G Receiving Sensitivity	802.11a	54M	-72 dBm	6M	-90dBm
	802.11n HT 20	MCS7	-70 dBm	MCS0	-88 dBm
	802.11n HT 40	MCS7	-68 dBm	MCS0	-86dBm
	802.11ac VHT80	MCS9	-58 dBm	MCS0	-85dBm
2.4G EVM	802.11b ≤ -10 dB ; 802.11g ≤ -25 dB ; 802.11n ≤ -28 dB				
5G EVM	802.11a : ≤ -25 dB 802.11n : ≤ -28 dB ; 802.11ac : ≤ -32 dB				
ppm	±20ppm				
WAN	1*10/100/1000M RJ45, support 48V PoE				

LAN	1*10/100/1000M LAN
Reset	Reset to factory settings by pressing 6-10 seconds
Indicators	WAN, LAN, tricolor LED(sys-red, 2.4G-green, 5.8G-blue)
Power	DC2.0 12V $\overline{\text{---}}$ 1.5A , PoE 802.3af
Max Power Consumption	< 10W
Dimension	168mm×168mm ×32mm
Weight	0.36kg
Temperature	Working: -20°C to 45°C ; Storage: -40°C to 70°C ; Humidity: 5 %~ 95 % (Non-Condensing)
ESD	Air:±8K, Touch:±4K
Electrical Surge	Common Mode: 2K, Differential Mode: 1K

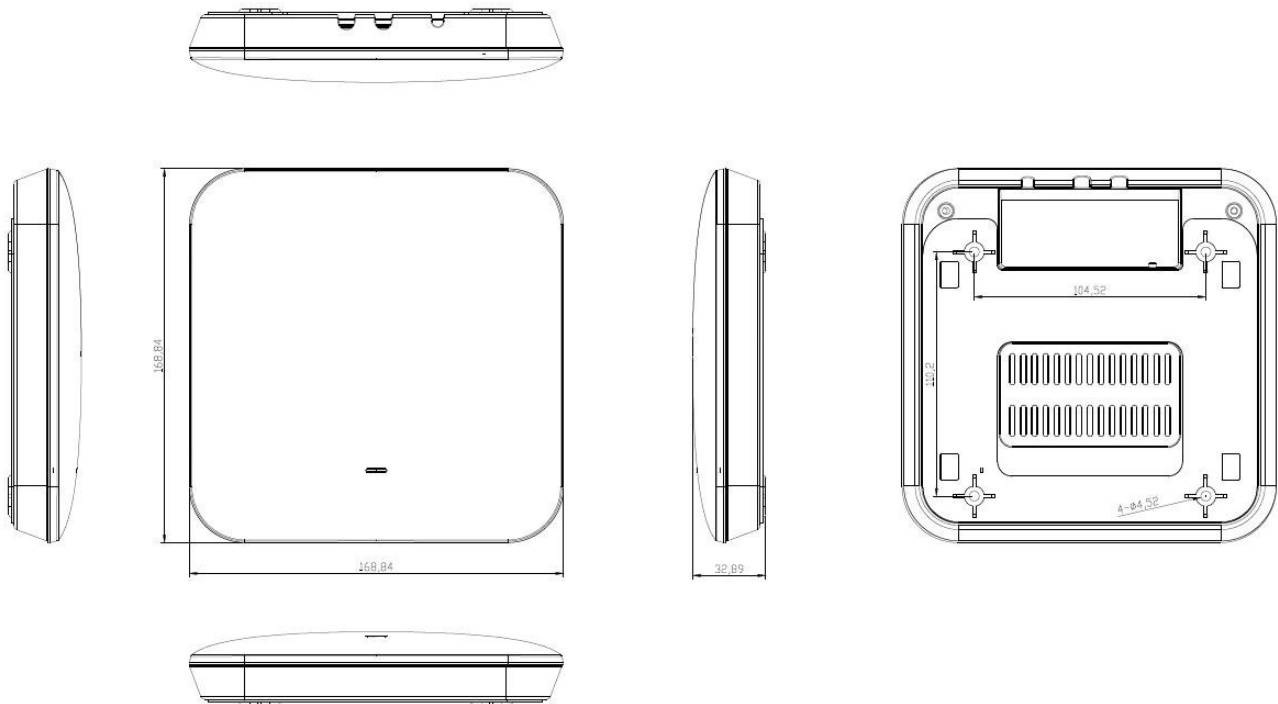
## Firmware Specification

Working Mode	Gateway, AP, WISP
Wireless Functions	Multiple SSID functions: 2.4GHz: 4; 5.8GHz: 4.
	Support SSID hidden
	Support seamless roaming, 802.11kvr standard.
	Support 5G Prior for a faster Ethernet.
	Wireless Security: Open, WPA, WPA2PSK_TKIPAES, WAP2_EAP, 802.1x
	Support MAC filter
	Support Wi-Fi time on/off to save energy
	Support client isolation to improve the wireless stability
	Support RF power adjustable, adjust the RF power based on environment.
	Support user quantity limited, Max 64 users to access each band.
Networking Function	VLAN settings
	Cloud access support in gateway mode
Device Management	Back-up the configuration
	Restore the configuration
	Reset to factory default
	Reboot the device: including time reboot or reboot immediately
	Admin management password modify
	Firmware upgrade
	System log
	Support firmware GUI web management, AC controller management, remote management and cloud management
Protocols	IPv4

## Interface



## Dimension





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