

ASW-1200 2x2 MIMO Dual-Radio 802.11ac Wave 2 Indoor InWall Access Point



OVERVIEW

Apollo ASW-1200 is a High-performance 802.11ac InWall Access Point for hospitality and branch offices. ASW-1200 is a dual-radio AP, with data rate up to 300Mbps on the 2.4GHz radio and 900Mbps in 5GHz radio. It supports 2x2 MU-MIMO to provide simultaneous transmission for multiple devices, maximizing wireless throughput and improving efficiency.

Many customers require wireless access in a challenging environment having many rooms with RF signal blocking walls, floors, and doors, such as hotel guest rooms, patient rooms in hospitals, classrooms, and apartments. ASW-1200 is purpose-built for these kinds of high-density and micro-cell environments, offering a cost-effective high-speed wireless connectivity for each client device in all rooms.

Apollo ASW-1200 combines Gigabit Ethernet wired and reliable 802.11ac wireless connectivity into a sleek device. It provides two Gigabit LAN ports for connecting a laptop via Ethernet, IP phone or IPTV and one RJ11 port pass through for analog telephones. It's ideal for high-end hotels, hospitals, classrooms, meeting rooms, hostels, and branch offices which often require flexible and scalable network deployment options. ASW-1200, the easy way to deliver high-speed in-room Wi-Fi service, at a minimal cost.

ASW-1200 can be configured as 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 experience for all connected users.

FEATURES

High-Performance and High-Reliability Wireless Network	
Highlights:	<p>Dual-band 2x2 802.11ac MIMO InWall access point</p> <p>Up to 300Mbps (2.4GHz) + 900Mbps (5Ghz)</p> <p>1xGigabit Ethernet WAN port compliant with IEEE 802.3af PoE</p> <p>2xGigabit Ethernet LAN ports</p> <p>1xRJ11 pass through port</p> <p>Easy InWall installation</p> <p>Up to 8 SSID (4 SSID in 2.4GHz, 4 SSID in 5GHz) for flexibility in network design (in standalone mode)</p> <p>Intelligent RF optimization through airtime fairness, band steering, and optimal channel selection at chip-set level</p> <p>Work as a standalone AP, or centrally managed by hardware/cloud* controller</p> <p>Tx power configuration and frequency analyzer for applications in different environments</p>
Superior Wireless Performance	<p>ASW-1200 features the latest Wi-Fi 802.11ac MIMO technology and is ideal for deployment of in-room wireless networks. ASW-1200 achieves a maximum data rate of up to 1200Mbps and uses both the 2.4GHz and the 5GHz frequency bands simultaneously.</p>
Intelligent RF optimization	<p>When managed through hardware/cloud* controller ASW-1200 automatically adjusts RF channel and power settings, provides band-steering and airtime fairness at chip-set level, ensuring all APs stay clear of RF interference to deliver reliable, high-performance wireless network. No need to assign dedicated RF expertise and hardware especially required to fine-tune the wireless network.</p>
Dual-Band, 5G Priority, Less Interference	<p>Double your network bandwidth with Dual-Band AC(2.4G and 5G) and 5G priority, designed to help avoid interference and maximize throughput. You can browse web pages, handle mails and chat over 2.4G while enjoying large-free HD multimedia and online gaming over 5G without worrying about interference.</p>

Easy setup and User-friendly configuration	With Plug-n-Play and 3 steps simple configuration, your access point can be configured to serve clients. You don't need expert IT staff to configure and manage your wireless network. A user-friendly GUI with no complications helps you to easily monitor client activities and network resources health.
Guest Network	When managed through hardware/cloud* controller ASW-1200 allows establishing a guest network to provide Internet to visitors while preventing guest users from accessing network files or devices. It allows the segmentation of user groups for better security and bandwidth control.
Easy to Deploy	ASW-1200 can be installed in any standard 86mm or 75mm wall outlet. We can reuse existing network cables and minimize new network deployment in a hotel or similar environments. The easy-mounting design makes it possible to install in less than five minutes. No additional power cabling, switch ports and power sourcing equipment required for installation, ASW-1200 delivers maximum deployment flexibility and investment protection.
Multiple power options	ASW-1200 supports standard 802.3at Power over Ethernet (PoE), for flexible deployments in areas where power outlets are not readily available.
Centralized Management	Besides standalone mode, ASW-1200 can be centrally managed by hardware/cloud* controller, which centralizes the management, provisioning, and monitoring of wireless networks, scaling from small networks to larger and complex networks.
Enterprise-Grade Security	ASW-1200 delivers industry-leading, end-to-end robust security features. It supports all main-stream and standards-based security protocols, such as WPA / WPA2, WPA-PSK/ WPA2-PSK, Captive Portal and Social Media Login.
Enable/Disable Wi-Fi	Easily control Wi-Fi signal broadcasting by configuring schedule through Web GUI or by physically pressing the Wi-Fi button present on AP, to save resources like money and electricity.

SPECIFICATIONS

Model Name	ASW-1200
Product Series	APOLLO
Warranty	3 Year
Standard	
802.11ac	Yes
Throughput	1200 Mbps
Frequency Radio	2.4GHz: 2.400GHz – 2.484GHz 5GHz: 5.150GHz – 5.850GHz
2.4GHz	802.11 b/g/n (max rate: 300 Mbps)
5GHz	802.11 a/n/ac (max rate: 900 Mbps)
MIMO	Yes
Transmit Power	19dBm
Spatial streams	4
Concurrent Users	128
Physical Interface	

10/100 /1000Mbps RJ45 WAN Port	1
10/100 /1000Mbps RJ45 LAN Port	2
RJ11 Passthrough Port	1
Button	Wi-Fi on/off + Reset Button, Press and hold for 1second to enable/disable Wi-Fi Press and hold for 15 seconds to reset to factory default configuration.
Antenna gain	2dBi
Deployment Options	
Standalone Mode	Yes
Hardware Controller	Yes
Cloud* Controller	Yes
Operation Modes	
Wireless AP	Yes
Gateway	Yes
WISP	Yes
Repeater	—
SSID	
SSID for 2.4GHz	4

SSID for 5GHz	4
IP Standard	
IPv4	Yes
Watchdog	Yes
IP Address Setting	Static or DHCP allocation
Configuration	Web Interface (HTTP) Local management and Firmware upgrade Remote Management through controller
System Requirements	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, Windows 8, MAC OS, NetWare, UNIX or Linux
RF specifications	
Modulation	OFDM = BPSK, QPSK, 16-QAM, 64-QAM, 128-QAM, 256-QAM DSSS = DBPSK, DQPSK, CCK
PPM	±20ppm
EVM	2.4GHz EVM: 802.11b: -10 dB; 802.11g: -25 dB; 802.11n: -28dB 5GHz EVM: 802.11a: -25 dB; 802.11n: -28 dB; 802.11ac: -32 dB
WAN options	
Static IP	Yes
Dynamic IP	Yes
PPPoE	Yes
L2TP(Dual Access)	Yes

PPTP(Dual Access)	Yes
Security	
64/128-bit WEP	Yes
EAP	Yes
WPA, WPA2, WPA-PSK, WPA2-PSK (TKIP/AES)	Yes
DoS attack prevention	Yes
MAC and IP Address Binding	Yes
Stateful Packet Inspection Firewall	Yes
MAC Address Filtering	Yes
IP Address Filtering	Yes
Domain Filtering	Yes
White list, static and dynamic blacklist	Yes
Secure admission control of wireless terminals	Yes
L2-L4 packet filtering and flow classification	Yes
Monitoring	
Dashboard(Overview)	Yes

Real-time Throughput Monitoring	Yes
Client List	Yes
Local logs	Yes
Syslog	Yes
Logfile export	Yes
Network and Wireless	
Seamless client roaming (with controller)	Yes
Transmit Power configuration	Yes
Auto Channel	Yes
Hidden SSID	Yes
Wireless Client Monitoring	Yes
Channel Scanning	Yes
AP Management VLAN	Yes
SSID-VLAN Mapping	Yes
Blind area detection and repair	Yes
High-density application optimization	Yes

RF Optimization	
Band Steering	Yes
Airtime Fairness	Yes
WMM Optimization	Yes
Client Limiting	Yes
RSSI Threshold	Yes
Maximum ratio combining (MRC)	Yes
Space-time block coding (STBC)	Yes
Low-density parity-check code (LDPC)	Yes
Environmental conditions	
Temperature and Humidity	Operating Temperature: -30~55 °C Storage Temperature: -40~70 °C Humidity: 5%~95% non-condensing
Mounting	InWall or Wall mount preferred
Device Dimensions	86mm X 86mm X 35mm
Power input	802.3af 48V PoE
Package Contents	ASW-1200 Quick Installation Guide Installation accessories

Note:

Cloud *

Currently, Cloud is hosted Internationally, India hosting will be done in 2023



APOLLO : ASW-1200
CATEGORY: SMB INDOOR, SMB WIRELESS, SMB

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