

DATA SHEET

1200M MultiService In-wall Access Point



AXILSPOT

MODEL: ASW120

HIGHLIGHTS

- ◆ Multi interfaces support cable access, PoE output, VoIP, telephone and USB charge
- ◆ Compliant with 118mm US type electrical outlet box
- ◆ Dual band 5GHz/2.4GHz Concurrent, Standard 802.3af PoE
- ◆ Band steering generates purified wireless and extended load capacity
- ◆ Auto RF adjustment reduces wireless interferences
- ◆ Centralized management via Mobula Controller Platforms



OVERVIEW

The ASW120 is Axilspot 802.11ac 1167Mbps indoor wireless access point, providing 300Mbps data rate at 2.4GHz and 867Mbps at 5GHz. Converged interfaces design supports vertical PoE output, VoIP, IPTV, Telephone, Internet access and USB charging. Installs into any standard electrical outlet box creating a low profile, secure design and front port access with inconspicuous in-room furniture replacement. The ASW120 is an ideal choice of easy setup wireless network for a variety of environments including hotels, villas, dormitories and offices. Meanwhile, the centralized management approach helps effectively improve the operation efficiency and reduce maintenance costs.

FEATURES

High Integrated Chip

2*2 MIMO chip supports high data throughput and robust load capacity, providing excellent performance and stability.

Smart RF and Network Optimization

Auto channel and power adjustment as well as wireless QoS supports more concurrent users, eliminates network congestion and latency guarantee high bandwidth services.

Multi Interfaces Satisfy Multi Demand

Besides regular IP interfaces, the ASW120U also provides a 5V/1A USB port power charging for smart phones and tablets. All-in-one design further reduces deployment costs.

Multi SSID and User Grouping

VLAN and SSID tagging enable different access policy and user grouping. Portal authentication and blacklist features isolate staff network and guest network improve network security.

Zero-Touch AP Deployment

AP configuration, firmware upgrade, network monitor all performed by a unified platform results in high network scalability. Plug-and-play improves operation efficiency and reduces maintain costs.

Hardware Specs	
Network interface	2*10/100/1000Mbps
VoIP	1
USB	1
IPTV	1
Power supply	PoE
PoE	IEEE 802.3af
Local power supply	48V DC
Weight	≤200g
Indicator	1*SYS Light
Antenna	Built-in 2*2 MIMO antenna,2.4GHz: 3dBi 5GHz: 3dBi
Dimensions	150mm*86mm*28mm
Reset	Supported
Mounting	In-Wall
Protection grade	IP41
Anti-theft design	Supported
Power consumption	≤10W
Environmental conditions	Operating temperature: 10°C~ 55°C(14°F ~ 131°F) Storage temperature: -40°C ~ 70°C(-40°F ~ 158°F) Operating humidity: 5% ~ 95% non-condensing Storage humidity: 5% ~ 95% non-condensing

RF Parameters	
Wi-Fi standards	IEEE 802.11 a/b/g/n/ac
Frequency bands	(Subject to local regulations limits) 2.400 - 2.4835 GHz 5.150 - 5.250 GHz 5.250 - 5.350 GHz 5.470 - 5.725 GHz 5.725 - 5.850 GHz
Spatial streams	2
Support channels	802.11a,802.11n,802.11ac(802.11a compliant): 5 channels 802.11b, 802.11g, 802.11n(802.11b/g compliant): 13 channels
RF technology	OFDM : BPSK@6/9Mbps、 QPSK@12/18Mbps、 16-QAM@24Mbps、 64-QAM@48/54Mbps DSSS : DBPSK@1Mbps、 DQPSK@2Mbps、 CCK@5.5/11Mbps MIMO-OFDM (11n) : MCS 0-23 MIMO-OFDM (11ac) : MCS 0-9
Modulation type	11b: DSS:CCK@5.5/11Mbps,DQPSK@2Mbps,DBPSK@ 1Mbps 11a/g: OFDM:64QAM@48/54Mbps,16QAM@24Mbps,QPSK@ 12/18Mbps,BPSK@6/9Mbps 11n: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM 11ac: MIMO-OFDM:BPSK,QPSK,16QAM,64QAM,256QAM
Max. TX Rate of single frequency	2.4GHz: 300Mbps 5GHz: 867Mbps
Modulation type	20/40/80 MHz
TX Power (Subject to local regulations limit)	2.4G≤17dBm 5G≤20dBm
Automatic/manual channel adjustment	Supported
RF switch	Support custom auto on/off, or manually turn on/off wireless signal

Software Features		
WLAN features	User access limit	Supported, also support user access limit on SSID
	Virtual AP	16
	SSID hiding	Supported
	Smart QoS based on user, traffic and frequency	Supported
	Bandwidth control	Control on single user, access point, SSID supported
	Terminal Type identification	Supported
	Security features	Authentication methods
Encryption		WPA(TKIP), WPA2(AES), WPA-PSK, WEP(64/128 bit) supported
SMS authentication		Supported
Social login		Supported
Free authentication for secondary login		Supported
LDAP authentication		Supported
Radius authentication		Supported
Black/White List		Supported
ACL rules		User, AP, SSID ACL rules supported
User isolation		Supported
WIPS		Supported
DDoS protection		Supported
Deployment mode		Layer3 deployment
	AP detection	Layer-2 layer-3 auto detection, DHCP option 43, DNS
	CAPWAP	Supported
Manage & maintain	Fit AP	Hardware controller, Software controller and APP controller management supported
	Fat AP	WEB, CLI supported
	Web management	Supported
	SNMP	V1/V2C/V3 supported
	Other maintenance	SSH, Telnet, TFTP supported
	Statistics & syslog	Supported
	Troubleshooting	Failure records supported
Warning	Indicator warning supported	