DATA SHEET

300M MultiService In-wall Access Point

AXILSPOT

MODEL： ASW3

HIGHLIGHTS

◆ Multi interfaces support cable access, PoE output, VoIP, telephone and USB charge

◆ Compliant with 86mm or 75mm electrical outlet box

◆ Standard 802.3af PoE power supply

◆ Auto RF adjustment reduces wireless interferences

◆ Centralized management via Mobula Controller Platforms

OVERVIEW

The ASW3 is Axilspot's indoor wireless access point based on 802.11n standard, working at 2.4GHz providing data rate up to 300Mbps. 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 ASW3 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.
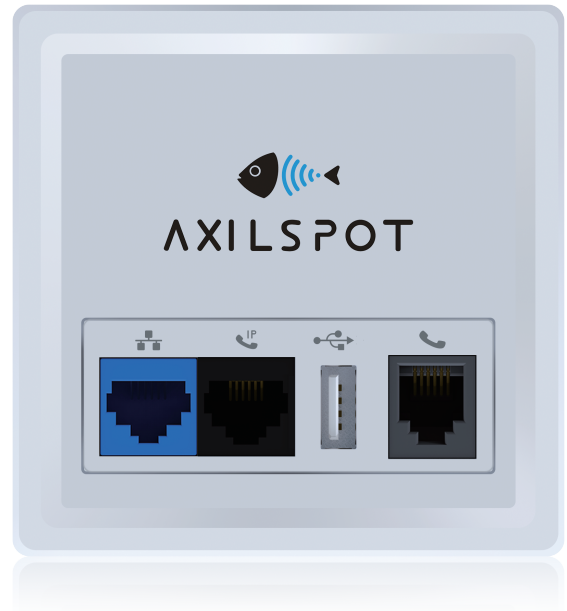
Smart RF and Network Optimization

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 ASW3 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	1*10/100Mbps
VoIP	1
USB	1
RJ11	1
Power Supply	PoE
PoE	IEEE 802.3af
Local power supply	48V DC
Weight	≤180g
Indicator	1*SYS Light
Antenna	Built-in 2*2 MIMO 3dBi antenna
Dimensions	86mm*86mm*35mm
Reset	Supported
Mounting	In-Wall
Protection grade	IP41
Anti-theft design	Supported
Power consumption	≤7W
Environmental conditions	Operating temperature: -10℃~55℃(-14℉~131℉) Storage temperature: -40℃~70℃(-40℉~158℉) Operating humidity: 5%~95% non-condensing Storage humidity: 5%~95% non-condensing

RF Parameters

Wi-Fi standards	IEEE 802.11 b/g/n/
Frequency bands	2.400 - 2.4835 GHz
Spatial streams	2
Support channels	802.11b, 802.11g, 802.11n(802.11b/ gcompliant): 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 : MCS 0-15
Max. TX Rate of single frequency	2.4GHz: 300Mbps
Modulation type	20/40 MHz
TX power (Subject to local regulations limit)	≤17dBm
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	8
	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	WPA-PSK, WPA-e, MAC authentication, 802.1X, Active Directory integration, Social Login, Web Portal, SMS authentication etc.
	Encryption	WPA(TKIP), WPA2(AES), WPA-PSK, WEP (64/128bit) 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	Supported
	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