



WBP-AX3000

PoE WiFi Bridge Brochure

PoE WiFi Bridge

Creating a Wireless Communication Work Environment for Enterprises in the Digital Transformation Era.



A digital transformation in enterprise communication :

The need for digital transformation in enterprise communication systems has been driven by the new trend of global digital transformation, which has accelerated the development of IP-PBX/IPT systems over conventional PBX systems. The brand-new design of IP-PBX/IPT systems provides advantages such as:

- Communication is no longer limited to voice calls, but a multimedia communication involving voice, video, and text.
- The ability to support multiple devices using a single number means that IP telephony can now provide better mobility and flexibility.
- With no distance limitation on Voice over IP networks, you have the ability for voice communication wherever the IP network is available, and no longer have to pay for long distance or international communication fees.
- New companies may adopt more affordable third-party phones that support SIP standards instead of being tied to a specific brand of IP phone set.
- The significant reduction in traditional PBX system cabinets and hardware



The obstacles enterprises face for implanting digital transformation of communication:

While IP telephony offers the aforementioned benefits, some office network environments may not be suitable for deploying IP telephony, which can slow down the pace of developing digital transformation in enterprise communication:

- The existing cable infrastructure in old office buildings may not have enough space for cable expansion, making it difficult to install new network cables.
- Network cabling work may damage existing office decorations, which could result in expensive redecorating fees that some enterprises might not be able to afford.
- When the outdoor transmission distance exceeds the PoE limitation of 100 meters, it will result in expensive construction fees for outdoor cable pipelines.
- The requirement to complete all cabling work at once during the switch from the existing system to the new system actually increases the risk involved in the switch-over.



Extends the ability to access
the wireless network for enterprises.



WBP-AX3000 PoE WiFi Bridge

Creating a wireless communication environment for realizing enterprises' digital transformation.

Wireless design in network infrastructure is considered a solution to cope with environmental obstacles for enterprise telephone system digital transformation development. However, the ability of wireless network function expansion in IP telephone systems only exists in high-end models. Due to the fact that many IP telephone systems lack the ability to expand wireless LAN functions, the WBP-AX3000 PoE WiFi bridge was designed to provide wireless LAN bridge function and PoE function to these IP telephone systems when connected to wireless LAN.

Furthermore, most IP telephone systems that have the ability to access wireless LAN can only comply with the 802.11n standard, which is not suitable for high population office environments. In contrast, the WBP-AX3000 complies with the Wi-Fi 6 MU-MIMO/OFDMA multiple user data stream upload and download concurrently. It works with the WiFi 6 wireless LAN environment to realize multiple IP phone bridge users to communicate concurrently in an intensive IP phone usage office environment.

Features:

- ✓ The built-in AC power plug allows for easy and rapid installation, and the WBP-AX3000 can be used directly without requiring an external power supply.
- ✓ Equipped with a PoE (Power over Ethernet) interface that supports the IEEE 802.3af maximal power budget of 15.4W. This allows for a single cable connection to the wireless network for any devices or equipment bound to the same PoE
- ✓ supports both 2.4GHz and 5GHz dual bands, and complies with the latest wireless technology standard of IEEE802.11ax, also known as WiFi 6. It provides up to
- ✓ Complied with 2X2 MU-MIMO and OFDMA multiple-device duplex transmission technologies on 2.4GHz and 5GHz, as well as enabling concurrent transmission of multiple data streams, to maximize antenna utilization. This can effectively solve the problem of limited bandwidth utilization while providing the best
- ✓ Equipped with various LED status indication lamps for 5GHz, 2.4GHz, WPS, Power, LAN, and PoE, provides clear equipment usage status with just a glance.

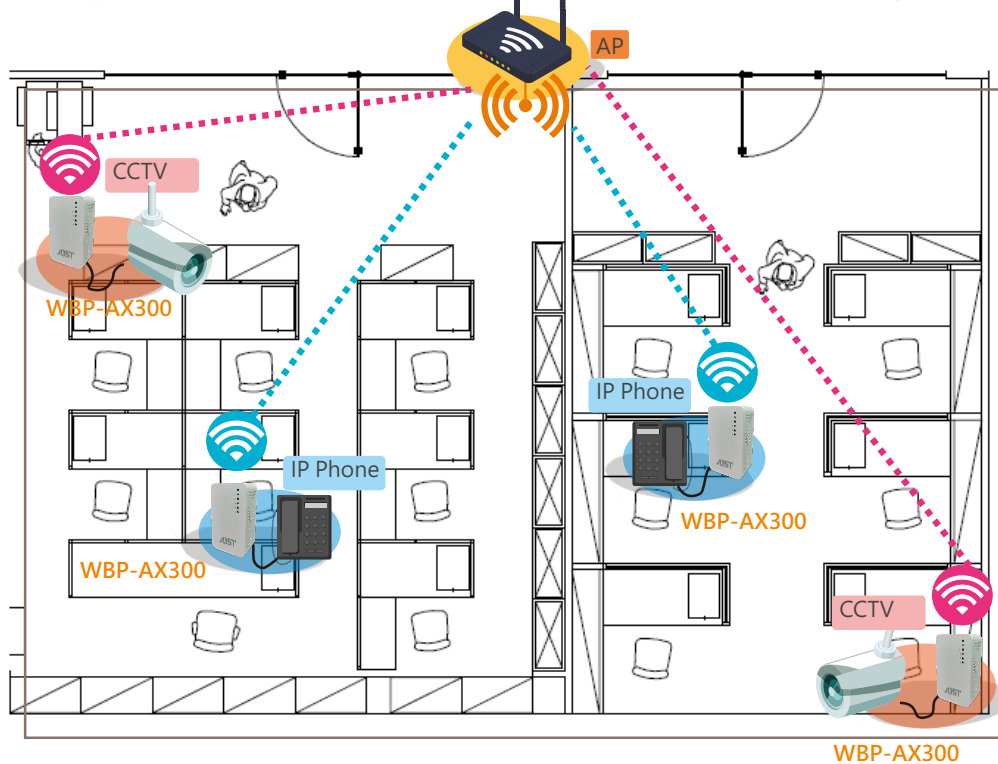


WBP-AX3000



WBP-AX3000 PoE WiFi Bridge:

The WBP-AX3000 PoE WiFi Bridge is a newly designed product that extends enterprise wireless network accessibility. It combines WiFi wireless user bridging and PoE Ethernet power supply functions, allowing Ethernet users to access wireless LAN easily and rapidly, even if their devices or equipment lack the ability for wireless



Decreasing cabling cost and shortening construction time.

It is a solution that maintains the integrity of office decoration and copes with the difficulties caused by outdated cable pipelines that make



Portable and requires zero installation work for expansion or relocation.

Plug and play wherever a WiFi signal can reach, and it provides better

Environments Applied





WBP-AX3000

PoE WiFi Bridge Product Specifications



Interfaces

Network Port	1port	RJ-45 10/100/1000 BaseT Ethernet port.
	PoE PSE	Supports IEEE802.3af with a maximum output power of 15.4W.
Reset Button	1 Button	Clear configuration data and restore to factory defaults
WPS Button	1 Button	Configure Wi-Fi Protected Setup (WPS) feature

Radio Specification

Type	Indoor, dual-band, 2.4GHz and 5GHz 802.11ax 2x2 MU-MIMO	
operating mode	Client bridge mode, dual-band 2.4GHz/5GHz selectable	

Antenna

Type	Built-in	2dBi dual-band 2.4GHz/5GHz omni-directional antenna
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Security

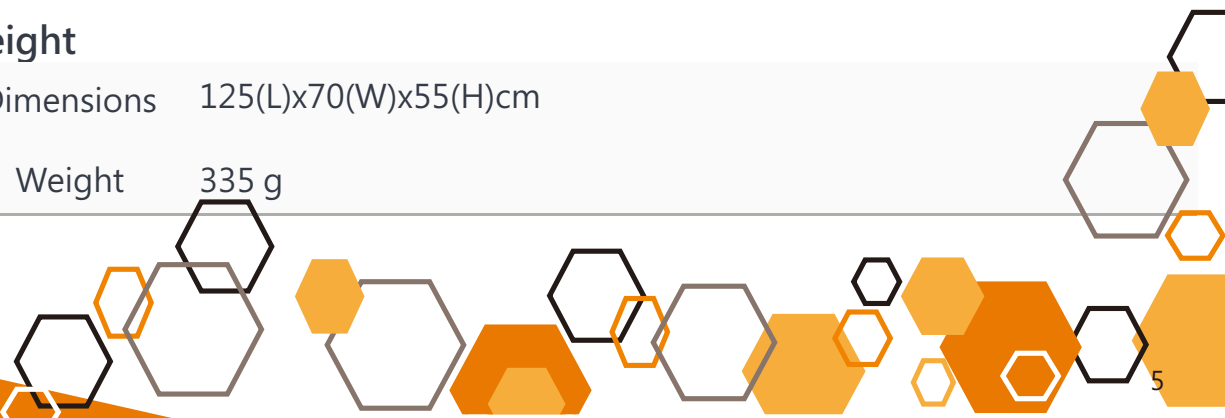
Encryption	802.11i/AES/TKIP/WEP/WPA/WPA2-PSK	
Certified	WPA/WPA2	

Power

Power	Plug	A type · 2 Pin
	AC input	100V~240V, 50/60Hz
	DC input	+48V 0.4A; +12V 1.2A
	PoE	802.3af (Class 3) : 15.4 W
Power Consumption	Maximum	DC : 7.53 W
	Idle mode	4.67 W

Dimensions/Weight

Unit	Dimensions	125(L)x70(W)x55(H)cm
	Weight	335 g





<https://www.abst.com.tw>

CONTACT US

Address:

8 Fl.,No.19-13,Sanchung Rd.,
Nangang Dist.,Taipei City115.,
Taiwan(R.O.C)

Mail:

Marketing@abst.com.tw

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