

# SIP Public Announcement Adapter with PoE



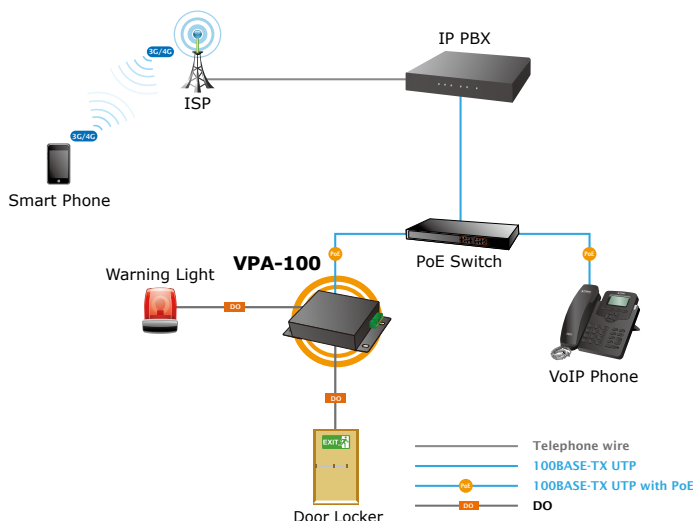
### New Audio Control System

PLANET VPA-100 audio control system comes with the existing IP PBX to provide unidirectional and bidirectional audio for broadcasting. An announcement can be made via the VPA-100, simply by making a call from an IP phone in the handset, headset, or hands-free mode. Its efficient 3.5-watt amplifier provides loud speaker coverage for the entire room or floor space.



### User-friendly Control

The VPA-100 provides four programmable output ports to control power on or power off. It usually controls them via web. When an IP phone is dialed to the VPA-100, the user can also control these ports via keypad of the IP phone. It allows the user to control these devices anytime, anywhere.



### Highlights

- Compatible with SIP (RFC3261) and most modern IP PBX systems
- Compliant with IEEE 802.3af PoE interface for flexible deployment
- Paging and intercom function strengthens work efficiency
- Four digital output ports to turn on/off alarm light, door locker etc
- Audio output for position: 3.5mm audio interface and loud speaker

### Advantageous Applications

- Acoustic Echo Cancellation and noise suppression
- Full duplex and speaker mode
- Adaptive jitter buffer
- Extra LAN port available for connection to a device for network expansion

### SIP Applications

- Auto answer
- Paging and intercom
- Voice algorithms: G.711 A-law and  $\mu$ -law; G.722/G.722.1/G.722.2, G.723, G.726, G.729, iLBC

### Call Control Features

- Volume adjustment
- Audio output mode: speaker and handset
- Incoming ring
- Full-duplex

### Network Features

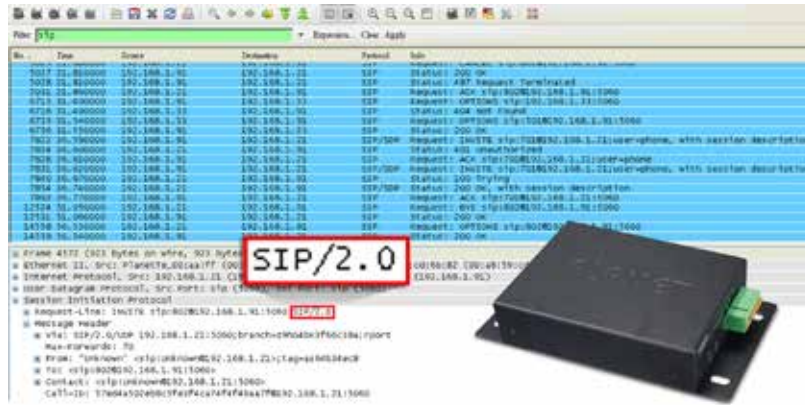
- Static IP and DHCP client on WAN
- Main DNS server

### Maintenance and Management

- Integrated web server provides web-based administration and configuration
- Firmware upgrade via HTTP
- Remote control digital output via Web UI and phone key

**Standard Compliance**

Compliant with the Session Initiation Protocol 2.0 (RFC 3261), the VPA-100 is able to function with PLANET or any third-party SIP 2.0 compliant VoIP products.

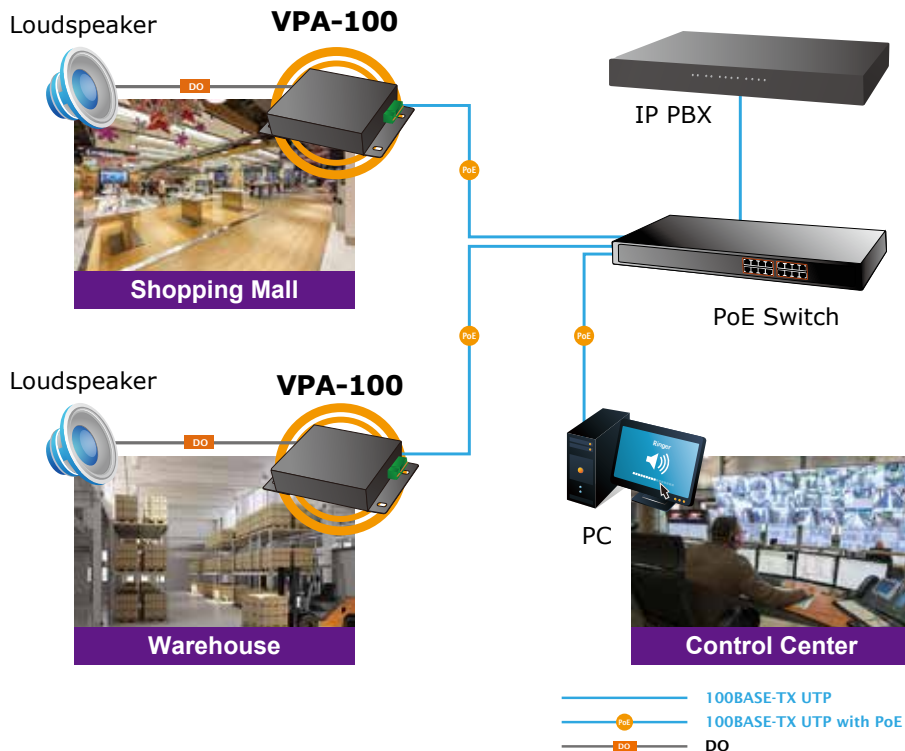


**Adjustable to Suit User's Application**

The VPA-100 can be powered via a power adapter or power over Ethernet cable, meaning the user can select either of the available power sources for his convenience. The volume of output, speaker input and handset input via web UI can be adjusted to make the announcement in the environment just right. It can be set up in all facilities, such as rooms, hallways, office floors, and more.

**Full VoIP Communication**

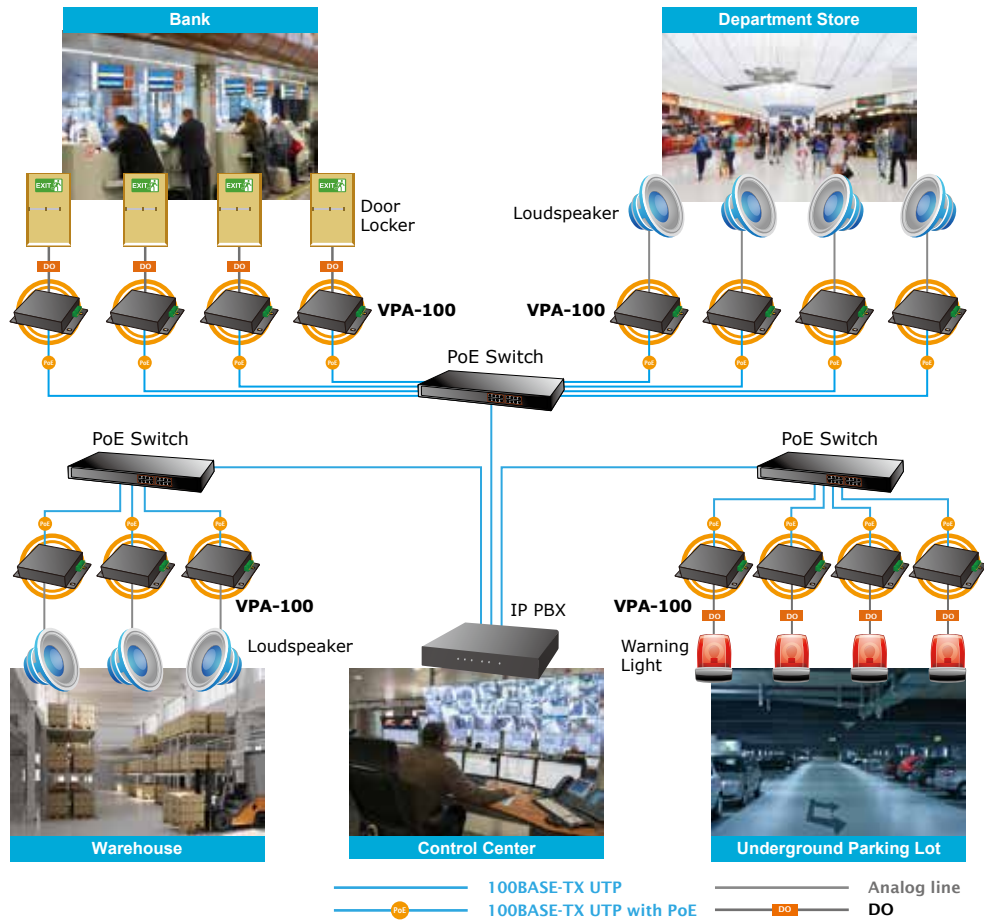
Several VPA-100 units can be connected to each other over a 100-meter cabling via a PoE switch. They can also be optionally installed on walls or ceilings. If the IP PBX supports paging and intercom, one IP phone can make calls to many VPA-100 units at the same time.



## Applications

Universal IP Paging System of the VPA-100

The VPA-100 registers an extension to IP PBX and into paging system. It can remotely control by turning on/off devices via IP phone or smart phone panel button. Connected loudspeaker allows any IP phone broadcast voice via the VPA-100. It also supports the handset mode for the bi-directional broadcast.



## Specifications

Model	VPA-100 SIP Public Announcement Adapter with PoE
<b>Hardware</b>	
Voice	Microphone: 3.5mm standard interface Speaker: 3.5mm standard interface (Mono) Loudspeaker: SPK+, SPK- (Max. 26db)
Physical Interfaces	Two 10/100BASE-TX RJ45 Ethernet ports LAN1: Connects to internet and provides PoE function (IEEE 802.3af) LAN2: Connects to other devices for network expansion  Microphone/speaker: 3.5mm connector  Terminal block for loudspeaker, power supply, ground and output ports 5VDC power supply: Max. 200mA 3.3VDC power supply: Max. 500mA Port 1-4 output voltage/current: 3.3V/8mA Reset button
<b>Protocols and Standard</b>	
Voice Flood Control	Protocol: UDP Voice algorithms: - G.711 A-law and $\mu$ -law - G.722/G.722.1/G.722.2 - G.723 - G.726 - G.729 - iLBC Echo cancellation noise suppression (ECN) Adaptive jitter buffer
<b>Features</b>	
Telephony Features	One voice line Auto answer Volume adjustment: output, handset input and speaker input Full-duplex Incoming ring Audio output mode: speaker and handset
<b>Environment</b>	
Power Requirements	5V DC, 1A IEEE 802.3af PoE class 3 Max. 2W
Operating Temperature	0 ~ 40 degrees C
Operating Humidity	10 ~ 95% (non-condensing)
Weight	344g
Dimensions (W x D x H)	117 x 84 x 31 mm
Emission	CE, FCC
Connectors	Two 10/100BASE-TX RJ45 Ethernet ports Two 3.5mm phone connectors DC power jack Terminal block

## Ordering Information

VPA-100	SIP Public Announcement Adapter with PoE
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## Related Products

VIP-1000T	High Definition IP Phone (1-Line)
VIP-1000PT	High Definition PoE IP Phone (1-Line)
VIP-1010PT	High Definition PoE IP Phone (1-Line)
VIP-2020PT	Enterprise HD PoE IP Phone (2-Line)
VIP-5060PT	Professional HD PoE IP Phone (6-Line)
VIP-6040PT	Gigabit Color LCD HD PoE IP Phone (4-Line)
VIP-8030NT	HD Voice Conference IP Phone with PSTN (3-Line)
ICF-1800	HD Touch Screen Android Multimedia Conference Phone (6-Line)
IPX-330	Internet Telephony PBX System (30 user registrations)
IPX-2100	Internet Telephony PBX System (100 user registrations)
IPX-2500	Internet Telephony PBX System (500 user registrations)
UMG-1000	Desktop Unified Office Gateway
UMG-2200	Unified Office Gateway (8-port FXO)
VGW-400 series	4-port SIP VoIP Gateway
VGW-800 series	8-port SIP VoIP Gateway
VIP-1680 Series	16-port FXS H.323/SIP VoIP Gateway
VIP-2480 Series	24-port FXS H.323/SIP VoIP Gateway
WGSW-48040HP	L2+ 48-port 10/100/1000T 802.3at PoE + 4-port Shared 100/1000X SFP Managed Switch
GSW-1600HP	16-port 10/100/1000Mbps 802.3at PoE+ Ethernet Switch