



**X10**

## ZYCOO SIP Paging Gateway

ZYCOO X10 SIP paging gateway is SIP enabled multifunctional IP audio device dedicated for industry users. It can convert voice streams from a SIP paging system or IPPBX system to analogue sounds for background music, public address, intercom, etc.

Based on the compact hardware design, open standard SIP protocol support, rich functionality and high performance. Industry users can customize the X10 SIP paging gateway into any desired form of intercom devices or paging speakers. With which can be widely used for smart and safe city applications, to increase the efficiency of communication and information sharing, as a result to improve public safety and citizen welfare.

## Feature Highlights



### Built-in Amplifier

Built-in amplifier rated at 2x10W dual-channel output, passive loudspeakers can be connected directly for stereo audio output, no external amplifier is needed.



### Stereo Audio

Music can be streamed from ZYCOO IP Audio Center using streamed media to the X10 SIP paging gateway for local decoding and playback, high definition stereo audio quality is guaranteed.



### Two-way Intercom

Support 2 programmable "press-to-talk" switch buttons, with an external speaker and microphone, it can do two-way intercom calls for emergency or consulting purposes.



### HD Audio Codecs

Support G.722 wideband audio codec, provides clear and intelligible voice speech for the intercom calls. With the high audio reproduction ability and clarity, quality of communication is guaranteed.



### Compatible with Third-party SIP Server

With SIP protocol support, the X10 SIP paging gateways can be easily integrated with existing third-party SIP servers. SIP paging or intercom calling using your existing phone system.



### Door Magnet Control

The X10 SIP paging gateways is equipped with built-in relay switch, which can be used for door magnet control or other devices to be controlled with dry contact signal. The invoke of dry contact signal can be digital input signal from sensors, DTMF signal or call status.



### Automatic Control

The X10 SIP paging gateway supports processing the external sensor or other devices' digital input signal, to invoke dry contact signal output for door magnet control, automated emergency calling, automated emergency alarm, etc.



### Auto Provisioning

ZYCOO IP Audio Center auto provisioning support, large-scale installations (local or remote) will be effort and time-saving.



### Power over Ethernet (PoE)

Standard PoE (IEEE802.3at) support, sample and easy installation with a single network cable. Large-scale installation will be extremely easy and timesaving.



### X10 External Audio Collection

With the 3.5mm audio input jack, it can collect external audio sources from devices such as mobile phones, computers, mp3, etc. and playback through the corresponding devices.



### Various Peripherals Support

Various peripherals can be integrated, like IP camera, smoke sensors, infrared sensors, door magnet, sound and light alarm which can be used for public safety and security purposes.

## Specifications

<b>Audio Interfaces</b>		X10
Amplifier Output		2x10W, 8Ω (4 pins)
Headset Output		3.5mm Jack
Microphone		3.5mm Jack
<b>Other Interfaces</b>		
Power Input		DC 12V-3A Jack
Volume Control		VOL+ and VOL-, press both to announce IP address
Ethernet		ETH0+ETH1, 10/100Mbps, ETH0 with PoE IEEE 802.3at enabled
Call button		Support 2 call buttons (switch button)
Call button LED		Support 2 call button LED indicators
Digital level output		N/A
Digital level input		5V Max
Dry Contact		NO/NC contacts, max AC 125V-1A, DC 60V-1A
<b>Audio</b>		
Audio Codecs		G.722, G.711 A-law, G.711 U-law, Opus
Music Streaming		MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, mono or Stereo
<b>Protocols</b>		
Protocols		SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH
<b>Administration</b>		
Configuration		Web interface or auto provisioning server
Provision method		MQTT IoT Protocol
<b>Mechanical Properties</b>		
Processor		ARM Cortex-A35
RAM		128MB DDR3
Storage		128MB SLC Flash
<b>Environment</b>		
Working Environment		-20°C ~ +50°C
Storage Environment		-40°C ~ +75°C
Humidity		10% ~ 95%RH Non-condensing
<b>Other</b>		
Dimension		153*76*33mm
Weight		303g
RST Key		Press and hold for 5 seconds to reset to factory defaults
LED Indicator		PWR power indicator, SYS system indicator



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