



X10



X30

ZYCOO SIP Paging Gateway

ZYCOO X series SIP paging gateways are SIP enabled multifunctional IP audio devices dedicated for industry users. They 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 X series 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 X series 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 X series 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 X series SIP paging gateways are 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 X series SIP paging gateways support 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.



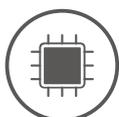
Auto Provisioning

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 time-saving.



Industrial Grade Standards (X30)

The X30 SIP paging gateway is designed with industry standards which guaranteed its robustness and adaptability to outdoor harsh conditions from temperature -40°C to 75°C.



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

Audio Interfaces	X10	X30
Amplifier Output	2x10W, 8Ω (4 pins)	
Headset Output	3.5mm Jack	2x40mW, 16Ω (4 pins)
Microphone	3.5mm Jack	2 pins Audio Input
Other Interfaces		
Power Input	DC 12V-3A Jack	DC 12-3A/24V-1.5A Jack and 2 pins DC 12-3A/24V-1.5A
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	3.3V
Digital level input	5V Max	
Dry Contact	NO/NC contacts, max AC 125V-1A, DC 60V-1A	
Audio		
Audio Codecs	G.722, G.711 A-law, G.711 U-law, G.729	
Music Streaming	MP3 sampling rate 8 – 48KHz, bit rate 64 – 320kbps, mono or Stereo	
Protocols		
Protocols	SIP(RFC3261), HTTP, TCP/IP, SSL, DNS, SNTP, NTP, RTSP, RTP, RTCP, TCP, UDP, MQTT, ICMP, DHCP, ARP, SSH	
Administration		
Configuration	Web interface or auto provisioning server	
Provision method	MQTT IoT Protocol	
Mechanical Properties		
Processor	ARM Cortex-A35	ARM Cortex-A7
RAM	128MB DDR3	
Storage	128MB SLC Flash	
Environment		
Working Environment	-20°C ~ +50°C	-40°C ~ +75°C
Storage Environment	-40°C ~ +75°C	-40°C ~ +75°C
Humidity	10% ~ 95%RH Non-condensing	10% ~ 95%RH Non-condensing
Other		
Dimension	153*76*33mm	
Weight	303g	400g
RST Key	Press and hold for 5 seconds to reset to factory defaults	
LED Indicator	PWR power indicator, SYS system indicator	



We Focus · We Deliver

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