

## X20 SIP PA Gateway

The X20 is an innovative SIP PA endpoint device developed by ZYCOO's European team. It converts voice streams from a SIP paging or IPPBX system to analogue sounds, suitable for background music, public address, intercom, etc.

The X20 is based on open SIP standards, making it work seamlessly with ZYCOO Paging and Intercom system. And importantly, the X20 can also be deployed with most third party SIP PA and IPPBX systems which support SIP Protocol.



Dual-channel



Freescale Processor



Various Sensor Interactive

### Features and Benefits

#### Powerful Amplifier

Built-in amplifier rated at 2x10W dual-channel output, no external amplifier required.

#### Peripheral Support

X20 can be connected with various peripherals, such as smoke sensors, infrared sensors, door magnet, sound and light alarm for public safety and security purpose.

#### Simple Installation and Configuration

Combined with MX500 SIP paging and intercom system, X20 can be auto detected within LAN. Register number and intercom number can be distributed centrally from MX500 Web interface.

#### Compatible with Third Party Systems

If you have an existing IP PBX system then you may easily integrate X20 PA gateways into your phone system just like a standard IP phone.

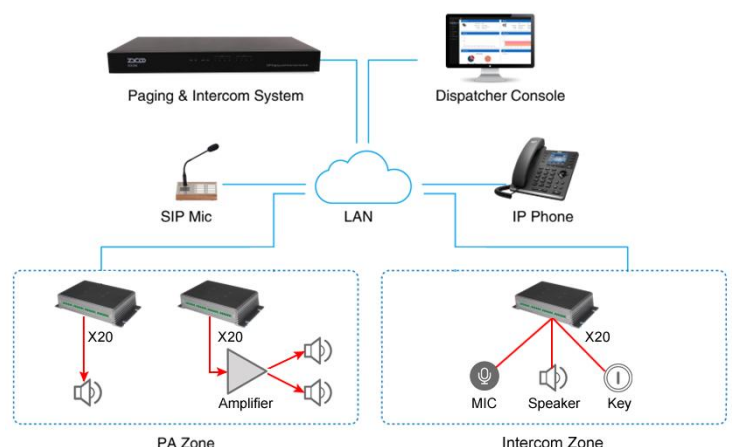
#### Multicast Support

Background music is streamed to X20 for local decoding and playback. Dual-channel high definition audio quality is guaranteed.

#### Intercom Calling

X20 supports up to 2 programmable buttons which can be used as "Press-to-Talk" keys, and therefore with an external speaker and microphone it can undertake intercom calls.

### Working Topology



## Specifications

Hardware/Features		Specifications
Audio	Speaker Output	2x10W, 8Ω
	Headset Output	40mW, 16Ω
	Microphone	Support
Protocol		SIP2.0 (RFC3261)
Keypad		Support 4x4 16-key keypad
LCD		UART Serial LCD (Customizable)
Voice	Protocol	RTP, RTCP
	Codecs	G.711(a, u), G.722, G.726, G.729, Speex, etc.
Other Interfaces	Power	DC12V-2A / DC24V-1A
	PoE	802.3at(48V-30W)
	ETH0/ETH1	10/100Mbps (PoE IEEE 802.3at support on ETH0)
	Serial	RS485
	GPIO	2xI/O Signal, 2 Speed-dial Keys
	Key LED	2
	Switching Signal Input	Support
	Switching Signal Output	Support
Environmental Requirements	Operating Temperature	-30°C ~ +70°C
	Storage Temperature	-40°C ~ +70°C
	Humidity	10% ~ 95%
Dimension		153x76x33mm
Weight		400g

## Applications



Campus



Bus Station



Shopping Mall



Office Building



Train Station



Park



Hotel



Government Complex



Factory



Energy

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