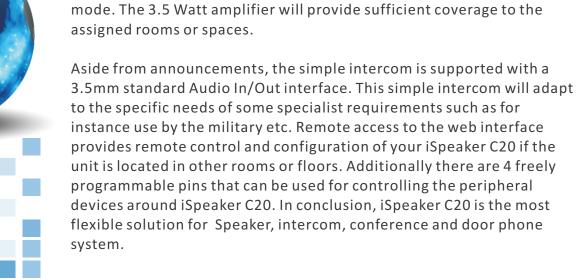# iSpeaker
-C20

ZYCOO
We Focus · We Deliver

The SIP based audio system iSpeaker C20 utilizes the built-in intercom and paging capability already inherent in most modern IP PBX systems and enhances this to improve end user experience by providing a dedicated high performance digital amplifier on which to broadcast announcements or play background music.

It is an ideal solution to deploy in all types of environments including schools, offices, airports, and other public spaces. For additional functionality, an IP video camera can be connected to iSpeaker C20 and the resulting high definition images are transmitted to monitors located in assigned rooms.

The SIP based, ZYCOO iSpeaker C20 is compatible with any brand of SIP Phones so an announcement via iSpeaker C20 can easily be effected by initiating a call from a SIP phones via its handset, headset or handsfree mode. The 3.5 Watt amplifier will provide sufficient coverage to the assigned rooms or spaces.

Aside from announcements, the simple intercom is supported with a 3.5mm standard Audio In/Out interface. This simple intercom will adapt to the specific needs of some specialist requirements such as for instance use by the military etc. Remote access to the web interface provides remote control and configuration of your iSpeaker C20 if the unit is located in other rooms or floors. Additionally there are 4 freely programmable pins that can be used for controlling the peripheral devices around iSpeaker C20. In conclusion, iSpeaker C20 is the most flexible solution for Speaker, intercom, conference and door phone system.

iSpeaker-C20

1. Basic Features

-Support G.711,G.722,G.723,G.726,G.729 audio codecs;

-Support SIP2.0 (RFC3261)and related RFC protocol;

-Support Power over Ethernet(PoE);

-The DSP integrated echo cancellation and noise suppression can provide excellent voice;

-Easy management and configuration from Web interface;

-Support encrypted communication;

-Online update of software.

2.Specification

Telephony Protocol		SIP 2.0（RFC3261）
CPU		MIPS+DSP
Keypad Expansion		Support 4×6 for a total of 24 keys .
LCD Expansion		Support SPI mode (Custom)
Voice	Microphone	1 onboard connector
	Speaker Output	3.5W
	Speaker Impedance	4Ω
	Headset	3.5mm standard input/output interface
	DSP	Support echo cancellation and noise suppression
Voice Stream	Supported protocol	RTP
	Codec	G.711,G.722,G.723,G.726,G.729, etc..
Other Interface	Input Power	5V/1A DC
	PoE	PoE 802.3af (Class 0 - 12.95W)
	LAN	2x10/100BASE-T s Auto-MDIX, RJ45
	RS232	Optional
	GPIO	4 programmable output pins
Environment	Operation Temperature	0℃ to 40℃
	Storage Temperature	-40℃ to 70℃
	Humidity	10% to 95%,No Dew