SIP
Video Intercom & Paging Gateway

PA2

XTEND

SPK HEADSET   LED   KEY   MIC   LOGIC   POWER
                                     IN   OUT   − +
12V~24V 2A

PoE   IPv6

PA2 is a SIP video intercom & Paging device for industry application. The media stream transmission adopts standard IP/RTP/RTSP protocol. It inherits the advantages of the stability and the sound quality of VOIP Phone. It is perfectly compatible with all the current SIP IPPBX /IMS platforms, such as Asterisk, Broadsoft, 3CX, Elastix, etc. It has various functions and interfaces, Such as Intercom, broadcast, video, security, recording, to adapt different application environment, you can very easy to DIY your video intercom & paging equipment. PA2 is the best choice for everyone.

TSF

Highlights

- Small and exquisite, can be embedded in the internal installation
- Emergency call button interface, active call
- Interact with IPC camera, you can make a video phone call
- NVR video recording, standard RJ45 interface
- Recording output, 3.5mm standard audio interface
- 10W-30W adaptive output power
- System online management and upgrade

Specification

Generic

2 SIP lines, supporting SIP 2.0 (RFC3261) and related RFC

Supports two lines RTSP

Voice broadcast IP address

Button or remote volume adjustment

Switch signal input and output

Talkback recording output

Handsfree talking

Default auto answer

Dynamic multicast function

Supports DC or PoE power supply

Support for Function key interface

Support monophonic active speakers

Network time synchronization

Action URL / Active URI remote control

Audio

Narrowband speech coding: G.711a/u, G.723.1, G.726-32K, G.729AB

Broadband speech coding: G.722

Duplex intercom with Acoustic Echo Canceller (AEC)

DTMF: In-band, Out-of-Band DTMF (RFC2833/ SIP INFO)

Networking/ Protocols

Supports PoE

Primary and secondary DNS servers are supported

Support VLAN

Supports SNTP client

Support L2TP / OpenVPN

Supports SRTP

Support for HTTP / HTTPS web pages

Support Qos: 802.1p / q, DSCP

Support MD5 authentication

Supports Web Filter

DHCP / Static / PPPoE

STUN

TSF

Physical Specifications

2 RJ45 interface:
    Yellow: WAN port 10 / 100M adaptive, support PoE
    PoE: (Class 3: 6.49 ~ 12.95W)
    Black: LAN port (Only connected to the original camera)
    Cable: Super five lines or better

1 blue indicator (SIP status andnetwork status)

2 volume plus or minus key

1 restore factory settings key

1 recording output interface:
    3.5mm standard audio interface
    15 Ohm impedance

1 ground screw

1 way passive speaker interface:
    Output power: 4Ω, PoE / 10W, 12V / 10W,18V / 20W, 24V / 30W;
    related to supply voltage.
    Wire diameter: 18 AWG or larger diameter
    Interface: Pluggable terminal block

1 headset speaker:
    Output: 32 Ohm 1.2V
    interface: Pluggable terminal block

1 DSS key interface (4 lines):
    Indicator: Output 5.0V 5mA
    Interface: pluggable terminal block

1 way microphone input interface:
    Recommendation: Use an electret condenser microphone
    Sensitivity: -38dB, Impedance 2.2 K Ohm bias voltage 2.2V
    Interface: Pluggable terminal block

1 short circuit input and output interface (built-in relay):
    Relay: MAX DC30V / 1A, AC125V / 0.5A,
    Interface: pluggable terminal block

2 parallel power input interface: 12V-24V / 2A DC 1 road for the 5.5
mm DC power seat 1 road way 2Pin pluggable terminal block

Standby power consumption: DC12V 1.32W / PoE 1.78W

Housing material: aluminum alloy shell

Installation: Indoor installation

Operating temperature: -30 ~ 60 °C

Storage temperature: -30 ~ 60 °C

Relative humidity: 10% - 95%

Equipment size: 113x83x28mm

Packing size: 138x108x77mm

Equipment weight: 250g