SIP DISPATCHING SYSTEM

This dispatching system integrates business management platform, and can realize one-key hands-free calling, two-way calling, group calling, ,shouting deterrence, zone broadcasting, background music, security linkage and other functions by connecting to broadcast intercom terminal, SIP voice gateway, SIP phone and other terminals and gateway devices. It is suitable for banks, schools, scenic spots, mines, metallurgy, petrochemical, electricity, ports, prisons, troops, sentry boxes, checkpoints, highways, rail transit, safe cities, smart buildings and other industries.
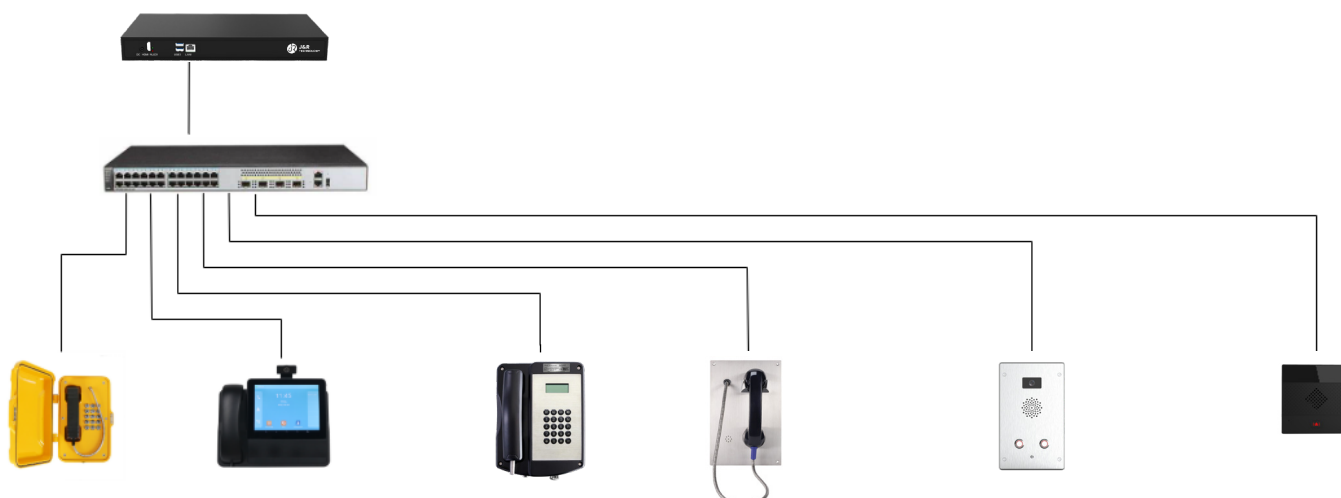
Product Features

- Supports mainstream audio and video coding standards such as G.711, G.729, G.723, H.263, H.264, etc.

- Openness: This dispatching system is based on the standard SIP protocol, supports third-party equipment access and interconnection with the customer's existing IP communication system.

- High-definition sound quality: Supports standard broadband voice coding, combined with unique echo cancellation technology, compared with traditional PCMA coding, it can be called fidelity and high-definition sound quality.

- Call and conversation: support dial-up calling, incoming call answering, two-way intercom, hands-free calling, monitoring, intercom recording, multi-line switching, etc.

- Management function: system management, group management, account management, authority management, hotline management.

- Working temperature: -10°C to +60°C.

- Signaling protocol is SIP, following RFC3261 Standard.

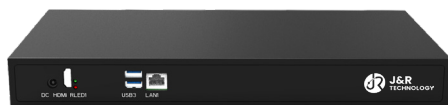- Routing method: registration database, dial plan.

FUNCTIONAL CHARACTERISTICS

Intercom Function	• Two-way intercom, video intercom, multi-party intercom, call recording, line search group, call queuing forced insertion and removal, environmental monitoring, call monitoring • Amplified intercom, support point expansion, group expansion, full expansion function
Broadcast Function	• Support shouting broadcast, music broadcast, text broadcast, collection and broadcast broadcast • Built-in dynamic multicast technology, support broadcast priority • Support broadcast loudspeaker function, can be automatic or manual loudspeaker • Support multicast or unicast mode broadcast
Call Features	• Call park, call forward, call transfer, call waiting, caller ID, call record, call history, ringtone, IVR, music on hold, call routes, DID, DOD, DND, DISA, ring group, ring simultaneously, time schedule, PIN groups, call queue, pickup group, paging/intercom, voicemail, call wakeup, SCA, BLF, voicemail to email, fax to email, speed dial, call back, dial by name, emergency call, call follow me, blacklist/whitelist, voice conference, video conference, eventlist, feature codes, busy camp-on/ call completion, voice control, post-meeting reports, virtual fax sending/receiving, email to fax
HD Voice	• Supports Full-Band Opus voice codec and H.264/H.263/H.263+/VP8 video codec, jitter resilience up to 50% packet loss
Audio Recording	• Audio recording supported • Local audio recording supported by server
Video Codecs	• Support H.264, H.263, H263+, VP8
Open API	• Provides API interface to achieve data intercommunication and intelligent linkage with third-party platforms • Adopts HTTP protocol to support functions such as data exchange and linkage instructions

APPLICATION

TECHNICAL SPECIFICATIONS

JRPBX Series Technical specifications

Model name	JRPBX-T20	JRPBX-T50	JRPBX-T100
Power supply	100~220V AC	100~220V AC	100~220V AC
Power consumption	≤35W	≤35W	≤35W
Storage	500GB	500GB	500GB
Operating temperature	-10℃ to +60 ℃	-10℃ to +60 ℃	-10℃ to +60 ℃
Dimensions	340x175x40mm	340x175x40mm	340x175x40mm
Network port	10/100/1000M	10/100/1000M	10/100/1000M
Number of registered terminals	20	50	100
Number of concurrent calls	10	20	50
Concurrent recording channels	2	8	8

JRPBX Series Technical specifications

Model name	JRPBX-T200	JRPBX-T300	JRPBX-T500
Power supply	100~220V AC	100~220V AC	100~220V AC
Power consumption	≤35W	≤35W	≤35W
Storage	500GB	500GB	500GB
Operating temperature	-10℃ to +60 ℃	-10℃ to +60 ℃	-10℃ to +60 ℃
Dimensions	428×187×46mm	428×187×46mm	428×187×46mm
Network port	10/100/1000M	10/100/1000M	10/100/1000M
Number of registered terminals	200	300	500
Number of concurrent calls	100	150	250
Concurrent recording channels	8	8	8

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