

IPBX - S2850 Series IP PBX

Best Solution for Medium Enterprises

What you need today is The IPBX for tomorrow's productivity

Energize your business with effective The IPBX system which comes with easy setup and administrator-friendly designs. The IPBX system delivers you the best--for its high technology integration that can maximize the work efficiency of any business and is worth of every dollar of your investment.

System Highlight

- Immediately provides VoIP connection to ITSP and to any remote site
- Flexible dialing plan settings for applying to a virtual IP-PBX system
- Remote management capability

Features Highlight

- Multi-lingual voice prompts for international business
- Customizable 3-layer IVR for creating your own IVR scenarios
- Various automatic schemes including auto provision and auto firmware upgrade
- Meet-me conference service to expend you meeting room virtually
- D-Auth (Dialer Authentication)
- Group Call
- Caller ID/DISA
- CAC (Call Admission Control)
- Call keep alive scheme
- Most legacy PBX features supported
- CDR (Call Detail Record) with .CSV file format
- Video call group ring
- Video call preview, callee can decide to answer the call and caller cannot aware
- Video message record and forward
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SIP Compliance

Supported Standards

RFC 3261, RFC 3311, RFC 3515, RFC 3265, RFC 3892, RFC 3361, RFC 3842, RFC 3389, RFC 3489, RFC 3428, RFC 2327, RFC 2833, RFC 2976, RFC 3263, RFC 3264, RFC 3362, RFC 4612,

SIP Registrar

- Static/Dynamic registration form WAN and LAN
- Configurable Expiry Time
- MD5 authentication
- Handle loose RFC-compliant SIP devices
- Resilient message retry mechanism
- Cache client registrations

SIP Proxy

- Stateful proxy server
- NAT traversal for clients
- Inter-proxy call hand-off
- Outbound Proxy behind NAT Device

PBX System

Call Features

- Up to 500 users and extensions with Voice Mail account
- up to 50 concurrent sessions
- In-band/RFC2833/SIP-INFO DTMF translation
- 50 SIP trunks for ITSP account or private trunking shared by extensions
- User can define the extension number from 2~10 digits
- 500 DID SIP trunks to extensions
- Support gateway trunk mode per SIP trunk
- Enable/Disable NAT Traversal per SIP trunk
- Call admission control of call count or bandwidth per SIP trunk
- Long call audit
- Support Call keep alive
- Support Registered keep alive
- NAT session keep alive
- Configurable RFC 2833
- payload type per SIP trunk
- Caller ID detection
- Trunk hunting
- Digits manipulation during hunting
- Life-line priority call
- Support SIP Call Hold, Call

- Waiting
- Support SIP phone 3-way conference
- Support Blind/ Attended Transfer
- In-line Call Transfer
- Unconditional, Unavailable, Busy Call forward
- Call Back on Busy between extensions
- Per calling number forward and rejection
- Blacklist of number patterns
- 32 call pick-up groups
- Call Park and Retrieve
- Recording on demand with IP phones
- Remote extension registration via Internet
- Direct line to extension (DID to Extension)
- Direct line by called number (DID by Number)
- Direct line by privilege (DID by Privilege)
- Echo Cancellation (G.168)
- Flexible numbering plan
- Call privilege grouping
- Configurable Music on Hold
- Memo Call for extension
- Schedule-based Broadcast
- Auth. Dial passcode
- Group Call
- Support H.261, H.263, H.264, MPEG-4 and MJPEG Video
- codec pass through
- Peer to Peer (Invite/Update)
- Fast Bridging for expressing media forwarding
- Configurable Call time restriction
- Support ACD

NAT

- Auto NAT discovery and traversal
- Built-in STUN client
- RTP proxy
- RTP port range designation

IVR

- 100 configurations of 3-layer IVR
- Worktime/Holiday setting for different IVR
- Configurable greeting prompts
- Music on Ringing extensions
- Forward to Voice Mail on No-answer
- Support 3 languages in IVR tree
- Hot key to operator

Voice Mail

- User Authentication by PIN
- Multilingual, 3 languages
- Multi-folder Archive
- Fast-forward /Rewind /Undelete
- MWI notification
- VMWI notification
- E-mail notification and attachment (Unified messaging)
- Personal greeting on unavailability and busy
- Record personal greeting through phone
- Voicemail Forwarding
- Reply call or new call after logged in Voicemail menu
- Built-in hard disk drive for Voicemail
- Support USB 2.0 interface for Voicemail, CDR, and system configuration backup
- Support NFS remote backup for Voicemail, CDR, and system configuration

Meet-me Conference

- 24 conference rooms with configurable number and PIN
- Up to 24 parties^{4,1} among all conference rooms
- Lock/Mute/Join/Drop control for administrator
- Music on First Dial-in Party
- Hot key to leave the conference
- Hot key for administrator to manage the conference

Administration

System Management

- Web-based configuration with session control
- High availability support
- User and administrator configuration mode
- Automatic expiring the idle sessions
- Support firmware upgrade through the Internet
- Configuration Wizard for mass extensions and users creation
- Step-by-Step Wizard for adding users, extensions and trunks
- CDR with caller I, Callee number, call time duration and call duration.
- CDR time format is

- YYYY/MM/DD/HH/MM/SS
- Built in online help in wizard
- System event Syslog
- Downloadable Call Detail Record (CDR)
- Extension registration status
- Active call status
- TFTP server and TFTP repository maintenance
- NTP synchronization
- Real Time Clock setting
- DHCP Server with multiple partitions, Per-MAC IP binding, list of options
- Configurable Time Zone
- Firmware Upgrade through web interface and console
- Power off auto recover the
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- service
- Storage the configuration and CDR in non-Volatile storage and power up auto reload the configure.

Network Management

- DHCP/PPPoE/Static IP on WAN
- Support MAC Clone on WAN
- Allow WAN to Respond PING
- Allow LAN use only
- Static LAN routing
- Firewall on predefined services
- Virtual Server for client device
- NAT for outbound traffic from LAN
- WAN QoS queuing mechanism
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- for VoIP and data traffic
- Support TOS setting
- DNS forwarder and dynamic DNS
- SNMPv2 with standard MIB format
- Adaptive WAN bandwidth and DSP channel saving

Dimensions

- Height X Width X Depth:
43X 437X249 mm