



Hardware Specification

- Intel IXP425BD at 533 MHz
- 16MB Flash
- 64MB SDRAM
- Two USB2.0 ports. One connects to external port and the other port is installed in the inside of the box for a hard disk.
- 4 * LAN ports and 1 * WAN port
- 2 * FXO ports & 2* FXS ports
- On board DSP chip AC49008
- Codec support: G.723.1, G.729, G.711 (μ /A-Law), G.726 ADPCM
- Caller ID : Bellcore and ESTI (On hook and off hook service)
- Fax support: T.38 compliant
- Echo canceller: G.168-2002 compliant with programmable echo tail of up to 128ms

Features

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

SIP Registrar

- Static/Dynamic registration
- Configurable expiry time
- MD5 authentication
- Registration proxy to external registrars
- Configurable PBX Caller ID
- User profile
- Handle loose RFC-compliant phones
- Resilient message retry mechanism
- Seeding historical registrations

SIP Proxy

- Stable proxy server
- Call-based MD5 authentication
- NAT traversal for clients
- Outbound proxy with or without WAN
- Inter-proxy call hand-off

*** Subject to change without prior notice

Features

PBX Features

- Support call hold, call waiting, 3-way call conference with feature phones
- Built-in in-line call transfer
- Unconditional, unavailable, busy call forward
- Per-calling-number forward and rejection
- Group-based call pick-up
- Call-parking
- Multi-room meet-me conference
- Auto-attendant 3 Layer IVR
- Voice mail system
- Call privilege grouping
- FXO interface for PSTN Inbound/outbound
- FXO disconnection tone detection
- FXO hunt group
- Caller ID detection
- Echo cancellation
- In-band/RFC2833/SIP-INFO DTMF translation
- Support 5 SIP trunk
- Intra-PBX stackable trunking over Ethernet
- FWD/Vonage account sharing for extensions
- Interoperable with Cisco Call Manager, CCME, IOS SIP gateway, Unity, CUE, 79XX, ATA
- Call admission control for wired/wireless phones
- Music on hold
- Direct line
- Outbound 900/0204 blocking Work Time IVR

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Auto Attendant

- Configurable Greeting
- Key to reach operator
- Timeout interval and timeout action
- Music on ringing extensions
- Forward to voice mail on no-answer

Voice Mail

- ser PIN
- Multilingual
- Multi-folder archive
- Fast-forward/Rewind/Undelete
- MWI notification
- E-mail notification and attachment (Unified messaging)
- Personal reception on unavailability and busy
- Voicemail forwarding
- Reply call or new call in voicemail menu

Storage

- Support USB 2.0 storage media

Meet-me Conference

- Multiple rooms with configurable number and PIN
- Music on first dial-in party
- Hot key to leave conference

NAT

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

Relational Provision

- Logical partition/relation on users and trunks
- Logical provision on outgoing and incoming calling search scopes
- Rich dial-plan expressiveness through route patterns
- Object-oriented provisioning paradigm

Administration

- Web-based configuration
- Flat system event syslog
- Flat Call Detail Record (CDR)
- Extension status display
- TFTP server and TFTP repository maintenance
- Network Time Protocol time 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

Network Management

- DHCP/PPPoE/Static IP on WAN
- LAN IP and netmask specification
- Firewalling on predefined services
- NAT for outbound traffic from LAN
- DNS and dynamic DNS
- QoS queuing mechanism for VoIP and data traffic

Maximum Capacity

- 30 extension registrations
- 30 voicemail accounts
- 10 concurrent calls with RTP
- 4 analog calls