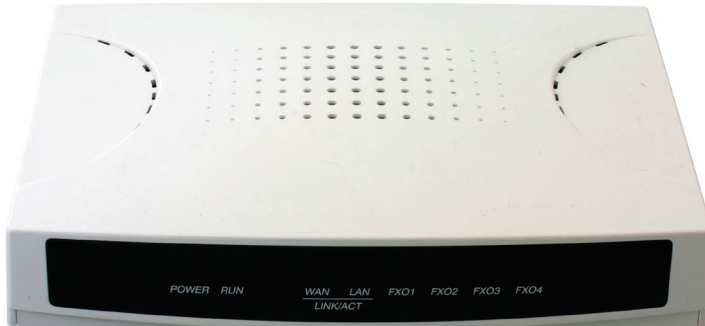
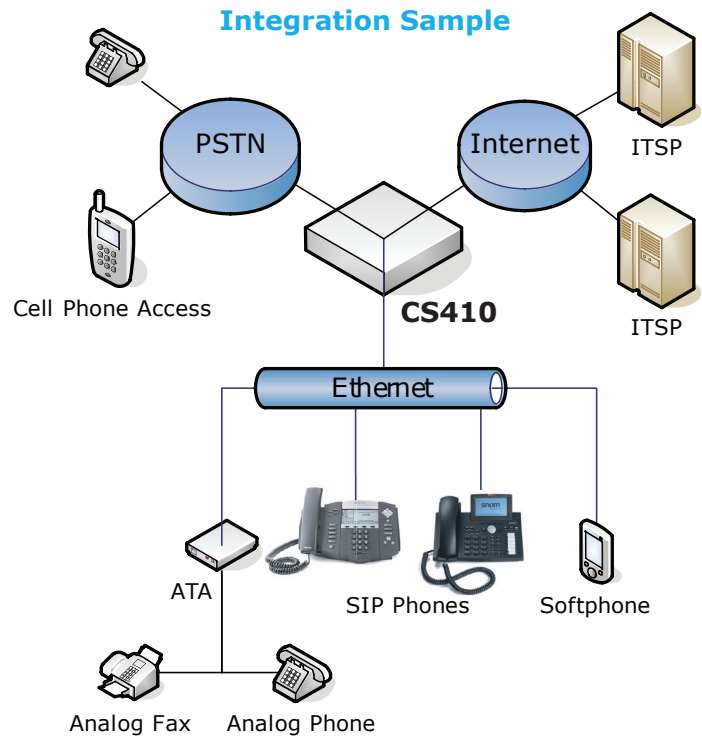


## **pbxnsip CS 410/425** The complete Internet Telephony System



### Key Benefits

- Built-in 4 Port FXO PSTN Gateway
- Paging and Music on Hold audio connectors
- 10 Extension Support (CS 425: 25 Extensions)
- Full PBX features including:
  - Voicemail, Auto Attendant, Voicemail, Queues, Intercom, Paging, Conference Server, Hot Desking
  - Cell Phone Integration
  - Full version 2.0 feature set
- Plug and Play and Remote Management
- Integrates with Microsoft Exchange 2007 UM
- Full Security Support (TLS/SRTP)
- Size: 8¼ x 6 x 1¾ inch, fanless



### The pbxnsip CS 410

This is the first appliance from pbxnsip that integrates the analog telephone lines within the pbxnsip system. It alleviates the need to run the software on a separate PC saving costs and administrative effort.

It is a perfect solution for small to medium sized business's (SMB) that want to take advantage of VoIP's benefits and have the option to keep their existing phone lines. For example, local calls can be terminated through the FXO lines while international calls can be sent through the Internet.

### Hardware and Interconnectivity

The pbxnsip CS 410 contains 4 integrated FXO ports to connect to existing PSTN trunks and the system also supports IP trunks to connect to Internet Telephony Service Providers that support SIP.

### Full Feature Set

The system includes all available features from the other pbxnsip PBX editions. This includes standard features like voicemail, auto attendant or confer-

encing, but also advanced features like call barge in or cell phone integration. The system can talk to ITSP and if the service provider does not answer include the FXO gateway in the dial plan.

### Popular CPE PBX Features

The CS 410 supports music on hold input from a regular audio jack input. This way, customers can provide music on hold from CD players and local radio stations.

The system also support paging output, so that existing overhead paging infrastructure can be used. In the LAN the system can also send RTP multicast traffic and use multicast-enabled devices for office audio paging.

### Plug and Play

The CS 410 IP PBX support plug and play of popular IP phones like Polycom, snom, Aastra, and Cisco/Linksys. The PBX itself can be managed through the web interface and remotely through SSH. It also supports SNMP for remote quality supervision with standard network management tools.

# Technical Specifications of the pbxnsip CS 410/425

## Main Features

- SIP compliant
- Built-in 4 Port FXO PSTN Gateway
- 2 x RJ-45 Network Interfaces
- Music In and Paging Out audio connectors
- Small size and fan less operation

## Accounts

- Auto Attendant
- Extensions
- Paging Groups
- Hunt Groups
- Agent Groups
- Outbound Call Authentication
- IVR Nodes
- Service Flags

## Security Features

- TLS and SRTP support
- HTTPS web interface
- Secure provisioning
- Password and PIN per extension
- SSH access to the system

## Mobility Support

- Call forking to cell phone
- Voicemail triggers call to cell phone
- Inbound call cell phone detection
- Camp on from cell phone
- Hot desking support

## Call Supervision

- Call barge in
- Training mode
- Listen in
- Permission and license-based access

## Plug and Play

- TFTP, HTTP and HTTPS support
- One-shot password provisioning
- Time zone provisioning
- PBX provisioning and configuration templates

## Trunking

- B2BUA (IP-Gateway) architecture

- Registration and gateway trunks
- ENUM support
- CO-line emulation
- ANI number presentation (RFC3325)
- DID routing
- Extension-based dial plans

## MoH, Paging and Intercom

- Multiple MoH sources (RTP, File, audio input)
- Multiple audio paging output (audio output, RTP multicast)
- Intercom through star code

## Auto Attendant

- Dual language support
- Prerecorded standard destinations
- Day/night mode, holidays
- Dial by name
- Boss/secretary function
- Anonymous call intercept
- Black and white list management
- Camp on

## Conference Subsystem

- Conference mixer
- Instant conference
- Conference scheduler with Email invitation

## Voicemail System

- Private and shared voicemail
- Voicemail notification through email
- Message Waiting Indication (MWI)
- Voicemail commenting
- Support for external voicemail system (e.g. Microsoft Exchange™)

## Waiting Queues

- Recording of up to ten announcements
- Music on hold mixing with announcements
- Agent recovery time
- Call pickup from queue
- Call escalation

- Day/night mode, holidays
- Web based queue status display

## Hunt Groups

- Serial and parallel search
- Day/night mode, holidays
- Distinctive ringing
- Custom IVR recordings and routing decisions (IVR Node)

## Call Redirection and Treatment

- Do not disturb
- Redirect on busy, timeout, always
- Multiple registrations per extension
- Call park, call pickup, call retrieve
- Star code-based transfer
- Last call return, redial
- Caller-ID blocking

## Address Book

- Personal and domain level address book
- Address book import

## Presence and Instant Messaging

- Presence agent for presence information
- Instant Messaging support
- Support for dialog state (BLF) System Management
- Loadable SSL/TLS certificate
- Performance monitoring and load protection
- SNMP agent
- CDR export through SOAP interface
- Build-in session border functionality for remote offices

## Languages

- Multiple interface languages
- Multiple audio languages
- Multiple simultaneous time zones