The Aastra CNX Conference Bridge provides a flexible, cost effective solution for small and medium sized enterprise conferencing requirements. Allowing participants to access a conference via both PSTN and VoIP networks, the Aastra CNX connects to existing PBX and Local Area Networks and uses a simple Web interface for easy management and control.
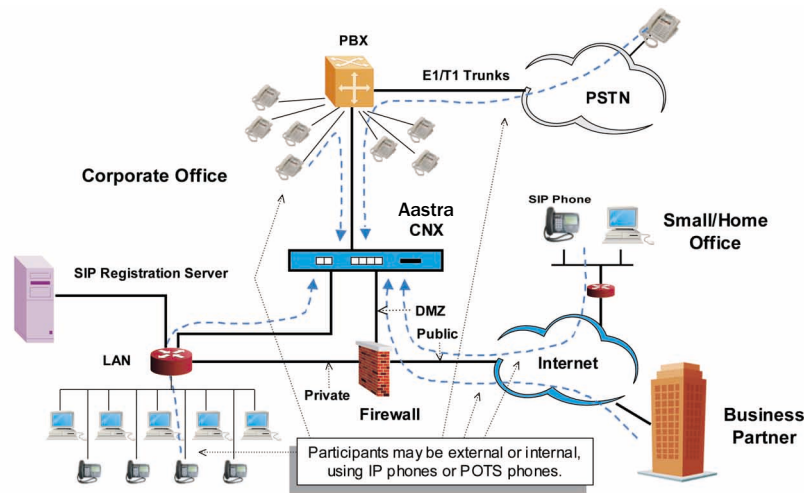
# Aastra CNX
# Conference Bridge

## Key Features:

✦ Inexpensive in-house alternative to hosted solutions

✦ Four T1/E1 ports and two 10/100 ethernet ports allow for a combination of up to 30 callers and 15 active conferences using traditional telephone and VoIP connections, upgradeable up to 60 callers and 30 active conferences

✦ Connects to the PSTN, existing PBXs, IP PBXs and VoIP systems

✦ Supports permanent or scheduled conferencing, with or without moderator

✦ Web interface used for initial configuration and conference call scheduling/planning

✦ Diagnostic and reporting tools included

✦ Roll Call and Entry/Exit Indications

✦ Enhanced conference management for moderators

✦ Automatic email notification to moderators upon conference setup

✦ Comprehensive security features

flexible

integrated

upgradeable

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Participants may be external or internal, using IP phones or POTS phones.

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## Hardware Specifications

### Capacity

30 concurrent users, 15 conferences (30-port unit)

60 concurrent users, 30 conferences (60-port unit)

### Features

· Motorola PowerPC running Linux®

· 2 Compact Flash slots

· 4 T1/E1 ports for connection to PBXs or the PSTN

· 2 10/100 ethernet ports for connection to public and private IP networks

· DB9 serial console port

· 100-240 VAC (47-63 Hz) Amp Max. auto-sensing power supply

### Voice Processing Features

· Dedicated DSPs supporting up to 60 VoIP channels using G.711 and G.729 a/b codecs, with G.168 echo cancellation, voice activity detection, silence suppression and comfort noise generation

· Hardware-based audio mixer with automatic gain control, acoustic and electrical echo cancellation, adaptive noise suppression and dominant speaker selection

· Touchtone (DTMF) detection, suppression and generation

### Environmental

· Operating temperature: 0°-40° C (32°-104° F)

· Relative humidity: 10%-85% non-condensing

· Heat generation: 400 BTU/hour (30 Watt max PSU)

· Noise: 28 dBA max

### Dimensions

· Width: 12 inches (30.5 cm)

· Depth: 9 inches (22.9 cm)

· Height: 1 Rack Unit (1.75 inches, 4.4 cm)

· Weight: 6 lbs (2.73 kg)

### Regulatory Approvals

· USA/Canada/Europe

· Safety: cUL 950, NTRL/UL 1950, TUV EN 60 950

· EMI/RF: FCC Part 15 Class A, EN55022 Class A (CISPR), EN55024

· Telecom: FCC Part 68, Industry Canada, CTR4

## Software Features

### Protocols Support

· ISDN PRI for PBX and PSTN interconnection:
   - ANSI National ISDN 2
   - ETSI NET5*
   - Nortel DMS-100 Custom
   - Lucent 5ESS Custom

· SIP call control

· H.323 call control (as an endpoint, not as an MCU)*

· RTP and RTCP for VoIP media streams, with RFC 2833 DTMF detection

· SMB (Samba) for integration with Microsoft® Windows servers*

· NIS for integration with Unix® and Linux® servers*

· SMTP for integration with email systems

### Conference Capabilities

· Registered users may book one-time and recurring bridges using a web browser.

· An administrator may create personal bridges with individual phone numbers for reservationless use.

· The Aastra CNX automatically sends out email invitations to conference moderators.

· Conferences are identified by a unique passcode.

· Separate PINs are automatically generated for moderators and participants.

· Telephony interface features include:
   - roll-call
   - mute/unmute self
   - mute/unmute all
   - eject from conference
   - enable/disable lecture mode
   - lock/unlock conference
   - request extra ports
   - request time extension
   - terminate conference.

### Security

· Web access to Aastra CNX administrative and conference booking portal via Secure HTTP (using Secure Sockets Layer)

· Authentication of users and administrators from an internal database, Microsoft® Windows server or Unix® /Linux® server.*

· Auto-generation of separate moderator and participant PIN codes

· Optional restriction of administrative and/or VoIP access to an internal IP interface.

· All pertinent booking and usage data, including caller id, are collected and available for subsequent audit.

### Administration and Management

· Configuration and administration via a web interface

· Conference booking and usage data collected in comma-separate value format for export to spreadsheet or database for subsequent analysis

### Language Support

· Web and telephony interfaces support internationalization, initially available in:
   - English
   - French Canadian
   - Spanish*

### Support and Upgrades

· Software releases are field upgradeable

· 30-port unit is field-upgradeable to 60 ports.

* In Development

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