



Avaya CS700 Conferencing Server

Avaya CS780 Conferencing Server

The Avaya CS700 and CS780 Conferencing Servers are flexible, high-capacity conferencing platforms that supports the Avaya Meeting Exchange application. The CS700 and CS780 offer a range of features including:

- Multiple conference types from a single platform: reservation-less, attended, and event-based capabilities
- Support for traditional TDM and IP-based conferencing, including both types of end points in one conference
- API-based (application programming interface) Developer Tool Kits (DTKs) that allow development of integrated or custom applications
- Open architecture for seamless scalability and integration with Enterprise applications

Features & Benefits

Blended TDM and IP Conferencing

- Supports traditional TDM and IP (SIP or H.323) end points within a single conference
- Provides flexible call routing, enabling calls to be distributed across multiple systems for least cost transport, fail over/redundancy, and managed services overflow
- Blended deployment supports SIP-enabled features including Presence and Availability, location-based services, mobility and multi-media devices, and integration with enterprise applications

Reservation-less Conferencing

- Offer anytime, anywhere conferencing for Enterprise users without scheduling in advance or requiring operator assistance
- Utilize conference elements including scheduled or on-demand recording and playback, billing code capture, robust management, and administrative and security features
- Easily create and establish personalized and secure reservation-less accounts for users, providing immediate access to group collaboration

The Avaya CS700 Conferencing Server



The Avaya CS780 Conferencing Server



Attended Conferencing

- Manage multi-party, high-touch conferences efficiently with Bridge Talk
- Easily create meeting reservations or allow participants to pre-register for an event conference over the Web
- Dial-out to participants individually or using pre-determined dial lists
- Effectively manage in-coming traffic for multiple conferences with DNIS-based enter queue filters
- Record conference participants' information on entry and review it anytime during the conference
- Provide individual assistance to callers in the help queue and drive users to a specified help desk 24/7
- Help the operator manage the conference by prioritizing or removing participants in a Q&A queue, muting participants, and reviewing polling results with Conference Viewer

Flexible Scheduling

- Schedule conferences using a variety of convenient scheduling tools including Web Portal, Reserver for Microsoft Outlook or Lotus Notes, or a custom scheduling application developed via DTKs

Flexible Call Flow

- Configure call flow on a per conference basis – including conference access and in-conference touchtone commands
- Expand and add value to your reservation-less services by transitioning customers to a familiar conferencing experience, without disrupting their workflow

Conference Recording and Playback

- Record an audio conference in-house and play it at any time post conference
- Easily administer recordings with in-conference touch-tone commands and

automatic email notifications embedded with recording access information

- Leverage off-board conference recording and playback, leaving system resources open for additional conferencing
- Eliminates the costs associated with third party recording applications

Developer Tool Kits

- Use APIs to access the operational components of the CS700 and CS780 to develop and integrate custom or third party features for conference scheduling and management, platform control, database integration, and conference viewing and billing

Platform Specifications

Platform Information

- Industry-standard, compact PCI chassis
- Unix Operating System
- 99.99% proven reliability
- Dialed Number Identification Service (DNIS)
- Caller ID (ANI, CLI)
- Redundant and hot-swappable components: Fans, power supplies, DSPs, NICs
- External RAID5 hard drive — five drives: 4 active, 1 hot standby per platform
- SNMP support for remote manageability
- Up to 10% of ports can be used for internal resources: operator voice, music, record/playback, link lines
- Removable hard drive for recordings
- External modem for remote maintenance
- 100% open architecture through Avaya DTKs: scheduling, management, and control
- NEBS Level 1 and Earthquake Resistance Level 2 compliant
- Allows synchronization of multiple platforms with external time/day source



- Database integration: import or export PIN codes, schedules, CDR, and CODR data from/to external systems
- NAT (Network Address Translation) support for more effective integration of platforms and Bridge Talk between the firewall and DMZ



Network

T1

- Internal or External

T1 synchronization sources

- DSX-1 interface (D4 and ESF framing formats)
- B8ZS zero code suppression

ISDN

- NA- and Euro-ISDN E1 — Q.931

IP

- SIP, H.323
- G.711, G.723.1, and G.729a/b audio codecs
- VoIP enabled operator voice connection

Platform Characteristics

- System Power: 90–230VAC, 47–63 Hz
- 350 Watts
- 48VDC power supply optional
- Operational Temperature 0°– 40°C (32°–104°F)
- Relative Humidity: 0-90% non-condensing

Platform Size

CS700

- Height: 26.22in (665.5mm)
- Width: 17.42in (442.1mm)
- Depth: 13.3in (337.8mm)
- Maximum weight: 62lbs (29kg)

CS780

- Height: 13.97in (355mm)
- Width: 17.42in (442.1mm)
- Depth: 13.3in (337.8mm)
- Maximum weight: 44lbs (20kg)

Platform Capacity

CS700

- T1: 192 – 1152 ports
- E1: 180 – 1200 ports
- T3: up to 2016 ports
- NA-ISDN: 184 – 1104 ports
- IP: 24 – 960 ports

CS780

- T1: 24 – 576 ports
- E1: 30 – 600 ports
- NA-ISDN: 23 – 552 ports
- IP: 24 – 576 ports

Platform Features

Conference Features

- Reserved or reservation-less (on-demand) —Platform partitioning
- Attended or unattended
- Entry and exit tones and/or messages
- Customizable messages —Multi-language greetings/prompts based on dialed number (DNIS), schedule, or conference wide
- Roll call and participant count
- Conference record and playback
- External Passcode Validation (EPV)
- Prompt for billing code
- Separate moderator & participant codes
- Auto hang up when moderator exits

- Auto hang up when only one caller remains in conference for a specified time
- DTMF command acknowledgement
- Auto extension of conference duration & capacity when necessary

Reporting

- Traffic, network, and LAN statistics
- System alarms & event logs
- Call Detail Records (CDRs)
- Conference Detail Records (CODRs)
- Operator transaction logs
- Touchtone (DTMF) user transaction logs
- Audio conference recorded names (roll call audio file)
- Post-conference reporting and billing

Security

- Dial-out permission/restrictions
 - Restrict moderator dial-out to specific numbers (DNIS), country, & area codes
- Secure the conference:
 - Lock conference & prevent dial-in
 - Block operator listen/record
- Automatic call hang-up upon moderator exit

- Automatic call hang-up when only one caller remains in conference for a specified time
- Secure remote management (SSH-Secure Shell)

Moderator Touchtone Control

- Conference lock/unlock
- Conference record/playback
- Lecture mode (mute all)
- Name playback/participant count
- Dial-out to add participant
- Blast dial or individual dial-out to add participant
- Billing code prompt
- Sub conferencing — up to 9 individual sub conferences
- Self mute
- Moderator hang-up toggle
- End conference via DTMF
- Balance volume on all conference lines

About Avaya

Avaya enables businesses to achieve superior results by designing, building and managing their communications networks. Over one million businesses worldwide, including more than 90 percent of the FORTUNE 500®, rely on Avaya solutions and services to enhance value, improve productivity and gain competitive advantage.

Focused on enterprises large to small, Avaya is a world leader in secure and reliable IP telephony systems, communications software applications and full life-cycle services. Driving the convergence of voice and data communications with business applications – and distinguished by comprehensive worldwide services – Avaya helps customers leverage existing and new networks to unlock value and enhance business performance.

reach
AVAYA
 a higher plane
 of communication

IP Telephony

Contact Centers

Unified Communication

Services

© 2004 Avaya Inc.

All Rights Reserved. Avaya and the Avaya Logo are trademarks of Avaya Inc. and may be registered in certain jurisdictions. All trademarks identified by the ®, SM or TM are registered trademarks, service marks or trademarks, respectively, of Avaya Inc. All other trademarks are the property of their respective owners.

Printed in the U.S.A.

09/04 • EF-LB2512

