H.323 (Release 2.0) Specifications

Versions Supported

- H.323 (Version 4)
- H.225 Call Setup and Gatekeeper Negotiation (Version 4)
- H.245 Capability Negotiation and Channel Management (Version 7)
- Q.931 ISDN user-network interface protocol.
- Support for Real Time Protocol (RTP) version 2 - RFC-1889.
- Support for T.38 Fax Protocol
- H.450 Supplementary Service (1-12)
- H.235 Security and Encryption (Version 2)

Features

- Gatekeeper Registration & Administration Supported
- Gatekeeper discovery (Multicast and Unicast)
- Preconfigured gatekeeper
- Gatekeeper failover.
- Support for Additive Registrations
- Alternate Gatekeeper support
- Support for Lightweight Registration Request (RRQ).
- H.323 Terminal Profile Supported.
- Support for H.245 Fast Start and Tunneling.
- Support for Multiple Physical and Virtual Channels.
- Support for fax calls.
- Support for fallback from audio to fax mode.
- Support for H.450 Supplementary features such as Call Waiting, Call Hold, Call Diversion, Call Transfer, Call Park and Pickup, Message Waiting, Name Identification, Call Completion, Call Offer, Call Intrusion and ANF-CMN (Additional Network Feature Common Information) both with and without gatekeeper support
- Caller ID feature supported.
- Maintaining and Reusing Connections.
- Generic Capabilities to fully define codecs
- Usage Information Reporting to help in providing billing information
- Indicating Desired Protocols
- Call Linkage to identify a call with multiple segments
- Tunneling QSIG without translation
- H.323 URL support
- UDP Signalling support
- H.235 security and encryption support
- Support for DES, 3DES, RSA, HMAC and RC2 algorithms used for security and encryption.
- Conference support.
- Installable Multimedia Payload Types
- Tested with other popular 3rd party software applications
- Developed in C and makes use of an operating system abstraction layer in order to facilitate porting to different operating systems

Configurable Settings

- Configurable level of H.225/H.245 support
- Supports installation of multiple Speech Codecs
- Configurable maximum number of TCP Connections supported by the H.323 Listener
- Code configurable for Threaded or Proprietary Scheduling
- Configurable level of H.450 features support.

Annexes Supported

- Annex A (H.245 messages used by H.323 endpoints)
- Annex D (Real-time fax over H.323)
- Supplementary Services H.450 (1-12)
- Annex M 1 (Tunnelling of signalling protocols (QSIG) in H.323)
- Annex E (Multiplexed Call Signaling over UDP)
- Annex O (Usage of URLs and DNS)
- H.235 Annex D
- H.235 Annex E
- H.235 Annex F

OS Supported

- Linux
- Windows
- Nucleus
- PSOS
- VxWorks

System Requirements

- BSD Sockets
- ANSI C Functions for String and Memory Operations
- Memory Allocation functions
- Optional Threads Support
- Working sound card / audio device

Memory Requirements

(For Arm-Linux Platform)

Stack Library Size	625 Kb
Common Dynamic Data	17.3 Kb
Per Call Dynamic Data	7.9 Kb

NOTE: The sum of Common Dynamic Data and Per Call Dynamic Data is the memory required for a single basic call (both incoming and outgoing) signalling. In the case of H.450.x supplementary service support, 2 calls per channel need to be supported, hence the memory required shall be Common Dynamic Data + 2*per call dynamic data

Availability

Now.

For further information please visit our web site, http://www.ncoretech.com or email to: ip@ncoretech.com