



## About H323

The H.323 standard was originally developed as an adaptation of H.320, which addresses videoconferencing over ISDN and other circuit switched networks and services. Since H.320 was ratified, in 1990, corporations have increasingly implemented Local Area Networks (LANs) and LAN gateways to the Wide Area Network (WAN). H.323 has evolved beyond a logical and necessary extension of the H.320 standard to include Corporate Intranets and packet-switched networks generally. H.323 utilizes the Real-Time Protocol (RTP/RTCP) from the IETF, along with internationally standardized codec's. With the ratification of version 2, H.323 is also being used for video and other communications, over the Internet.

In common with the other ITU multimedia teleconferencing standard, H.323 applies to multipoint and point-to-point sessions.

H.323 embraces the more traditional circuit-switched approach to signaling based on the ISDN Q.931 protocol and earlier H-series recommendations, and SIP favors the more lightweight Internet approach based on HTTP.

HiPACE has developed and tested the H323 stack and is making a headway towards the SIP stack development

## Features

- Call setup, maintenance and call tear down as per H.323/H.225.o (Version 2).

- Support for RAS signaling (for bandwidth allocation, admission and address translation with gatekeeper).

- Multimedia call control as per H.245 (Version 3) including dynamic mode changes

- RTP/RTCP as per ITU-T H.323/H.225 (Version 2).

- Network congestion monitoring and quality of service maintenance as specified in RTCP.

- Fast start and fast connect.

- Q.931 Tunneling.

- Support for audio codecs(G.711,G.723.1,G.728,G.729,G.729A) and video codecs(H.263 & H.261).

- Support for centralized conferencing.

- Support for audio silence suppression.

- Dynamic audio-video mode switching.

- Portability.Easily portable across various operating systems & platforms.

Jitter handling & statistics available in RTP/RTCP module.

Support for DTMF using H.245 procedures for used input indication.

The stack can be used to build H.323 terminals & gateways due to the versatility of the higher level API.

Encapsulated call model that provides a simple API interface to the user, thereby enabling the user to bypass the complexity of the H.323 protocol.

## **Contact**

Email us for feedback or suggestions or enquires: [info@hipace.com](mailto:info@hipace.com)