Product Description

GAO's implementation of H.323 protocol stack complies with ITU-T Recommendation H.323 (1998) which references Recommendations H.225.0 (1998) and H.245 (1998). It supports all H.323 components: terminals, gateways, MCUs and gatekeepers.

GAO's H.323 stack is specifically designed for embedded processor systems that typically rely on lightweight operating systems and require minimal footprint, modularity and integration flexibility. The stack offers a low-level software API, and provides a collection of H.323 state machines and messaging libraries.

GAO's H.323 protocol stack is a complete, integrated suite of protocols that defines every component of a conferencing network: terminals, gateways, gatekeepers, MCUs and other feature servers. Amongst others, GAO's H.323 stack supports:

- Q.931 - call setup
- H.225 call signaling
- H.245 - exchanging terminal capabilities and creation of media channels
- RAS - registration and admission control
- RTP/RTCP - sequencing audio and video packets
- Media Interface for Audio/Video control

Key Features

- ✓ High and Low Level API's
- ✓ Single and multi-session implementations
- ✓ Multi-threaded, flexible, highly interoperable
- ✓ Well-documented codes
- ✓ Major operating systems supported with pre-ported interface

Leadership in Embedded Communications Software

With over a decade of experience, GAO leads the embedded communications software market by providing comprehensive modem, fax, speech, and telephony technologies; broad technical expertise; and unsurpassed support to our world-class customers including electronics, communications, and semiconductor companies across the globe. GAO's software integrates easily with MP3, MPEG, TCP/IP, and most popular real-time operating systems.

Rigorous Testing

GAO's testing facilities are equipped with state-of-the-art test equipment. Our software is rigorously tested on TAS, Consultronics, Rochelle, Advent and Telegra equipment under various channel models according to the relevant ITU or TIA standards. All GAO's speech software has passed the test vectors specified by the ITU. Our telephony software meets all appropriate TIA, EIA, BellCore, and Mitel standards.

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