



GAO Research Inc. G.722 Vocoder Software

GAO Research Inc.

#1 In Embedded Communications Software

<http://www.gaoresearch.com>

Features

- ▶ Operates at 64, 56, or 48 Kbps.
- ▶ Converts audio signals to uniform digital signals which are coded using 14 bits with 16 kHz sampling.
- ▶ Utilizes a SB-ADPCM decoder which performs the reverse operation to the encoder.
- ▶ User selectable processing frame size and I/O formats.
- ▶ In-band synchronization capable.
- ▶ Complies with the ITU H.320 standard for video conferencing.

Product Description

GAO's G722 vocoder operates at 64, 56, or 48 Kbps. It converts audio signals to uniform digital signals, which are coded using 14 bits with 16 kHz sampling. The module utilizes a SB-ADPCM decoder, which performs the reverse operation to the encoder.

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.

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. GAO also adheres to stringent quality control procedures, which is reflected in our well structured code, detailed design documentation, and well-defined design and test plans. This ensures ease of integration into the customer's system, easy maintenance, and a smooth upgrade path for next-generation customer products.

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