



## **Product Description**

ITU-T G.722.1 is an international standard for wide-band audio compression. GAO's G.722.1 wide-band compression algorithm provides higher-than-toll quality speech. The vocoder operates between a wide-band, 50Hz to 7 kHz signal range, at the G.722.1 standard bit rate of 24kbps and 32kbps. GAO's G.722.1 algorithm is in the form of fixed-point arithmetic and is based on the Modulated Lapped Transform (MLT).

## **Key Features**

- ✓ ITU-T G.722.1 compliant and passes all ITU-T test vectors
- ✓ Optimized C or Assembly code
- ✓ Multi -Channel ready
- ✓ Re-entrant implementation

## **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.

### **GAO Group**

*Celebrating Over 15 Years of Innovation*

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