



## **Product Description**

ITU-T G.722.2 is an international standard for wide-band audio compression. The G.722.2 standard uses an Adaptive Multi-Rate Wide-Band (AMR-WB) codec. GAO's G.722.2 multi-rate codec operates between 6.6 kb/s to 23.85 kb/s. By utilizing a wide-band of 50 Hz to 7 kHz, GAO's G.722.2 algorithm provides higher-than-toll quality speech. The algorithm utilizes ACELP technology. Both the IP network and the 3G network use the same codec which provides seamless interoperability.

## **Key Features**

- ✓ ITU-T G.722.2 compliant and passes all ITU-T test vectors.
- ✓ Full and half duplex modes of operation.
- ✓ Adaptive Multi-Rate ranges from 6.6 kb/s to 23.85 kb/ s.
- ✓ Multi- Channel ready.
- ✓ Optimized C or Assembly code.

## **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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