



## **Product Description**

GAO's V.22bis & V.22 modem software implements the ITU-T standards for 2400 bps and 1200 bps full-duplex data communication on the GSTN and on point-to-point 2 wire leased line circuits. In these modems, channels are separated by frequency division and each channel is phase shift modulated. A symbol rate of 600 carries 2 bits per symbol for a rate of 1200 bps for V.22. For V.22bis, each channel is quadrature amplitude modulated (QAM) to carry 4-bits per symbol at 600 symbols per second for a rate of 2400 bps. Carrier frequencies are 1200 Hz and 2400 Hz for the low and high channels respectively.

## **Key Features**

- ✓ Complies with ITU standards for V.22bis & V.22.
- ✓ Uses minimal memory and MIPS.
- ✓ Does not require a high quality, high cost DAA or Codec.

## **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 Research Inc.**

Leader in Embedded Technology

*Product Overview*

V.22bis/V.22 Modem Software

## **GAO Group**

*Celebrating Over 15 Years of Innovation*

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