



## GAO Research Inc. V.27ter Fax Modem Software

GAO Research Inc.

*#1 In Embedded Communications Software*

<http://www.gaoresearch.com>

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### Features & Product Description

- GAO's V.27ter software implements the ITU V.27ter recommendation
- Uses a data signaling rate of 4800 bps with eight phase differentially encoded modulation.
- Operates at a reduced rate of 2400 bps with four phase differentially encoded modulation.
- Optional backward channel at modulation rates of up to 75 symbols per second.
- Modulation occurs at 1800Hz.
- Transmitted power levels conform to V.2.
- Modulation rate is 1200 or 1600 symbols.
- It consists of transmitting functions and receiving functions which are called to transmit and receive bits in groups of 2 to 3 (referred to as symbols) at a rate of 1200 or 1600 symbols per second respectively.
- Highly optimized in C and multi-channel ready.

### 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 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.

### GAO Research Inc.

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