GAO Research Inc.

Leader in Embedded Technology

Product Description

GAO's V.42 software is designed for optimum asynchronous-to-synchronous conversion as well as error detection and retransmission of damaged data. The ITU V.42 standard addresses two major problems for asynchronous devices: an asynchronous-to-synchronous conversion protocol and a sophisticated error-detection process for asynchronous systems. This recommendation contains an HDLC-based protocol referred to as the Link Access Procedure for Modems (LAPM).

Key Features

✓ Link control protocol for the sequencing and flow control of the traffic

✓ Cyclic redundancy check for error detection

✓ V.14 for asynchronous-to-synchronous conversion operations

✓ Inter-working in the non-error-correcting mode with V-Series DCEs that include asynchronous-to-synchronous conversion according to Recommendation V.14

✓ Synchronous transmission through the conversion of start-stop data

✓ Initial handshake in start-stop format minimizes disruption to the DTEs

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.

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