Product Description

By employing pulse code modulation (PCM) in the upstream direction, V.92 supplies a data rate of up to 48 kbps - a significant improvement over V.90 that uses the same upstream modulation as V.34 for a maximum speed of 33.6 kbps. This increase is made possible because the V.92 clock is set by the demodulation process and used in the upstream modulation. This will prove most useful in applications that involve large data transfers from user to ISP: VoIP, for example. V.92's downstream rate remains unchanged from V.90 at 56 kbps.

Quicker modem connection time is achieved through faster handshaking. The shortened start-up time is accomplished by buffering information on past connections then, when a match is found, handshaking can immediately begin at a previously negotiated rate. Connection time for V.92 will be up to 50% quicker than V.90 for buffered connections.

When online, users will have the ability to put the 'Modem on Hold' (MOH) and can receive a phone call without having to disconnect from the Internet session. There will, however, be a time limit of between 0 to 16 minutes, which is set entirely at the discretion of the ISP.

Key Features

V.92 improves on V.90 in three ways:

✓ V.92 supplies a higher upstream data rate of up to 48 kbps. This is a significant improvement over V.90 that has a maximum upstream speed of 33.6 kbps.

✓ Connection time for V.92 will be up to 50% quicker than V.90.

✓ V.92 has the ability to temporarily put the 'Modem on Hold' (MOH) allowing users to receive a phone call without having to disconnect from their Internet session.

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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