



Product Description

GAO's AEC software is an acoustic echo canceller that eliminates one of the biggest problems with hands-free speaker phones: acoustical echoes.

The memory and MIPS requirements of an acoustical echo canceller depend on the maximum duration of all possible echoes. The longer the duration of an echo the more MIPS and memory required to resolve the problem. Echo with a duration of 80 ms may be generated by a room with 4 meters by 4 meters of hard wall. To cancel such an echo, GAO's AEC needs about 16 MIPS, 1 K words of data memory, and 1.5 K words of program memory of a DSP.

Key Features

- ✓ Implemented in assembly or C.
- ✓ User-callable functions.
- ✓ Low data memory, program memory, and
- ✓ Computational requirements.
- ✓ Robust double-talk detection.
- ✓ High-performance full duplex operation.
- ✓ High signal to noise ratio.
- ✓ Robust design delivers consistent results.
- ✓ Automatic Gain Control.

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

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