



GIPS NEC - IAD

Echo cancellation that meets the ATA/IAD requirements

GIPS NEC (Network Echo Cancellation) - IAD (Integrated Access Device) is an efficient speech-processing echo cancellation software that provides excellent sound quality without audible echo or clipping. It is designed for use in ATA/IAD gateways at the edge of a packet network to cancel 4-2 wire echo conditions.

GIPS NEC - IAD is G.168-compliant and cancels all voice signal echo in an ATA/IAD. This flexible package offers adaptive comfort noise insertion and supports linear, A-law and μ -law inputs. GIPS NEC - IAD is not affected by doubletalk.

Key benefits

- Designed for packet networks
- Designed for ATA/IADs
- Stand-alone software solution
- Solution can be customized

Features

- Available in fixed point ANSI C
- Handles up to 32 ms echo tail (configurable)
- Cancels echo caused by hybrid network environment
- Compliant with ITU G.168
- Robust against double-talk
- Adaptive comfort noise insertion
- Tone disabler (optional)

Specification

Platform	Echo tail	Complexity	Program Memory	Data Memory	
				Static	Dynamic
TIC54x	16 ms	6 MIPS	16	2.3 + 2.0/ch.	0.45

Memory in kWord16