



ESPICO

Specialists in Speech and Audio Software Development

ITU G.728

ITU-T recommendation G.728 Annex G is the fixed-point version of the recommendation G.728: coding of speech at 16kbps using Low Delay Code Excited Linear Prediction (LD-CELP). It uses backward adaption of predictors and gain to achieve an algorithmic delay of 0.625 ms. Under error-free transmission conditions, the perceived quality of a 16kbit/s LD-CELP codec is equivalent to that of a codec conforming to 32 kbit/s ADPCM.



The ESPICO implementations are highly optimised, realising low memory and MHz requirements. Contact ESPICO for specific resource requirements.

Features

- ◆ Bit exact with ITU-T G.728, G.728 Annex G recommendation
- ◆ Multi-channel
- ◆ Re-entrant

Availability

ESPICO's optimised solution can be ported to any platform. Supported platforms include:

- ◆ ZSP Cores including ZSP400, ZSP500, ZSP800 families
- ◆ ARM including Cortex and Neon™
- ◆ MIPS32 74K™
- ◆ Ceva DSP Cores

Applications

- ◆ VoIP
- ◆ Speech storage

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