

LPC Voice Coder Linear Predictive Coding

Adaptive Digital Technologies, Inc.

PRODUCT DESCRIPTION

The Adaptive Digital Technologies LPC-C67X voice coder is a real-time implementation of one of the LPC-10 vocoder. LPC-10 is one of the early vocoder standards and has been adopted and used in numerous defense communication systems.

FEATURES

- Functions are C-callable.
- Excellent choice for very low bit rate communication systems
- Useful for developing backward compatible equipment based upon DSP technology



Strategic member
of the TI Third
Party Network

AVAILABILITY

ADT LPC is currently available on the TMS320™ DSP Family
C67x™ DSP Generation

SPECIFICATIONS

Coding Rate: 2400 bps

Sampling Rate: 8 kHz

C67x

All Memory usage is given in units of byte.

Function	MIPS Peak loading	Program Memory	Data Memory
Encode	10	---	---
Decode	14.6	---	---
Encode & Decode	24.6	55 k	31 k



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FUNCTION

LPCinit(. . .)
LPCencode(. . .)
LPCdecode(. . .)

Adaptive Digital is a strategic member of the Texas Instruments Developer Network.

CONTACT INFORMATION

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