

Overview

G.729AB – 8kbit/sec CS_ACELP vocoder conforming ITU-T G.729 recommendation. It can be used in a wide range of applications such as multimedia devices, visual telephony, wireless telephony, and videoconferencing products.

Features

- coding rate 8 kbps
- integrated voice activity detector, comfort noise generator
- sampling rate 8 kHz
- meets all ITU G.729AB compliance and interoperability requirements.
- very low stack usage
- Linux/Windows kernel mode capable

Applications

- VoIP
- Telephony

Specifications

PLATFORM	MIPS consumption
G.729AB for TI C64+, DSP/BIOS (see note 3)	
Encoder, no VAD	4.2
Decoder, no VAD	0.8
Encoder + Decoder	5.0
G.729AB for ARMv5 (see note 1)	
Encoder + Decoder VAD	17
Encoder + Decoder noVAD	27
G.729AB for ARMv7 (see note 2)	
Encoder + Decoder VAD	13
Encoder + Decoder noVAD	18

NOTES:

1. Measured on Marvell Kirkwood, 1200 MHz
2. Measured on Marvell Armada, 800 MHz
3. Measured on simulator

Bit exactness proved by ITE

G.729AB are delivered with fully automated IntegrIT Testing Environment (ITE) for target platform based on reference ITU-T vectors set along with extended IntegrIT proprietary vectors and methods.

Availability

This software component is available in binary/source code written on fully portable C-language for:

- Texas Instruments C64, C64+, C67, DaVinci
- Marvell Sheeva, Marvell Kirkwood, Marvell ARMADA
- ARM9E, ARM11
- x86, Windows/Linux Object Library

Porting on other platforms is upon request

Contacts

support@integrit.com
 Tel: +7 495 545 4642

<http://www.integrit.com>