08-7025-DS-ZCH66

G.729AB Codec

Product Data Sheet

V 1.2

Date: April 1, 2010

Features

- Fully bit exact with ITU-T G.729AB
- 8 Kbps encoded bit stream rate
- Support discontinuous transmission (DTX)
- Input/output samples format: Linear PCM, 8 kHz, 16 bits. Block based processing supported
- Simple application interface

Supported Platforms

- Hardware – i.MX ARM platforms
- Software – eLinux, Windows® Embedded CE operating systems

Performance Outline

i.MX ARM9™ eLinux	i.MX ARM9™ WinCE
Typical spec: 8KHz, 16 bits PCM for encoder 8KHz, 8kbps for decoder	Typical spec: 8KHz, 16 bits PCM for encoder 8KHz, 8kbps for decoder
Performance (MHz): 23.27 for encoder 4.56 for decoder	Performance (MHz): 21.68 for encoder 4.88 for decoder
Memory Footprint(KB) decoder - ROM: 37 - RAM: 3 Encoder - ROM: 64 - RAM: 3	Memory Footprint(KB) decoder - ROM: 37 - RAM: 3 Encoder - ROM: 64 - RAM: 3

Performance measurements can deviate based on ARM core, memory and cache configuration on the board. To measure directly, enable the TIME_PROFILE in the test application provided in the release package.

For further details, contact Freescale customer representative.