



SBC Encoder

Product Data Sheet

v1.1

Updated: March 23, 2008

Features

- Supports sub-band encoder
- Supports 16KHz, 32KHz, 44.1KHz, 48KHz sample rates.
- Supports 4, 8 sub-bands.
- Supports 4, 8, 12, 16 block length
- Supports MONO, DUAL MONO, STEREO mode
- Supports psycho-acoustic model
- GStreamer plugin wrapper for Linux® platforms
- DMO filter wrapper for Windows® CE platforms

Supported Platforms

- Hardware – i.MX ARM11™ platforms
- Software – eLinux, Windows® CE 5.0, Windows® Embedded CE 6.0 operating systems

Performance Metrics

i.MX35 eLinux Platforms

Typical Specifications: 48 KHz, Stereo mode, 8 subbands, 16 blocks, bitpool is 56, psycho-acoustic model enable, bit rate is 360000 bps

i.MX35 Performance (MHz): 11.30

Memory Footprint (KB)

- ROM: 7.5
- RAM: 0.5

i.MX35 Windows® CE Platforms

Typical Specifications: 48 KHz, Stereo mode, 8 subbands, 16 blocks, bitpool is 56, psycho-acoustic model enable, bit rate is 360000 bps

i.MX35 Performance (MHz): 11.59

Memory Footprint (KB)

- ROM: 7.5
- RAM: 0.5

For further details, contact Freescale customer representative.

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