



# **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.MX31 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.MX31 Performance (MHz): 11.35077

Memory Footprint (KB)

- ROM: 7.5
- RAM: 0.5

### i.MX31 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.MX31 Performance (MHz): 11.28283

Memory Footprint (KB)

- ROM: 7.5
- RAM: 0.5

*For further details, contact Freescale customer representative.*

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