



FLAC Decoder

Product Data Sheet

v1.0

Updated: July 25, 2008

Features

- Supports FLAC audio decoding
- Supports WAV format output
- Supports 8kHz, 16kHz, 22.05kHz, 24kHz, 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz sampling rates
- Supports maximum 8 channels
- Configurability for 8 bits, 16bits, 24bits PCM output
- 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: 44.1KHz, 16bit/sample, Stereo

Performance (MHz): 10.35

Memory Footprint (KB)

- ROM: 33.54
- RAM: 7.20

i.MX31 Windows® CE Platforms

Typical Specifications: 44.1KHz, 16bit/sample, Stereo

Performance (MHz): 11.01

Memory Footprint (KB)

- ROM: 33.54
- RAM: 7.20

For further details, contact Freescale customer representative.

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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: 44.1KHz, 16bit/sample,
Stereo

Performance (MHz):

Memory Footprint (KB)

- ROM:
- RAM:

i.MX35 Windows® CE Platforms

Typical Specifications: 44.1KHz, 16bit/sample,
Stereo

Performance (MHz):

Memory Footprint (KB)

- ROM:
- RAM:

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Supported Platforms

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

Performance Metrics

i.MX37 eLinux Platforms

Typical Specifications: 44.1KHz, 16bit/sample,
Stereo

Performance (MHz):

Memory Footprint (KB)

- ROM:
- RAM:

i.MX37 Windows® CE Platforms

Typical Specifications: 44.1KHz, 16bit/sample,
Stereo

Performance (MHz):

Memory Footprint (KB)

- ROM:
- RAM:

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Supported Platforms

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

Performance Metrics

i.MX51 eLinux Platforms

Typical Specifications: 44.1KHz, 16bit/sample,
Stereo

Performance (MHz):

Memory Footprint (KB)

- ROM:
- RAM:

i.MX51 Windows® CE Platforms

Typical Specifications: 44.1KHz, 16bit/sample,
Stereo

Performance (MHz):

Memory Footprint (KB)

- ROM:
- RAM:

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