



WMA Decoder

Product Data Sheet

v1.0

Updated: Dec 13, 2008

Features

- Supports Windows Media® Audio (WMA) audio decoding
- Supports Windows Media® Audio (WMA) Pro audio decoding
- Supports Windows Media® Audio (WMA) Lossless audio decoding
- Compatible with up to WMA version 10
- Supports raw WMA and ASF formats
- Supports the WMA L1, L2 and L3 profiles
- Supports the WMA Pro M0a, M0b, M1, M2, M3 profiles
- Supports the WMA Lossless N1 and N2 profiles
- Supports all WMA bit rates and sampling rates, as specified in the L1, L2 and L3 profiles
- Supports all WMA Pro bit rates and sampling rates, as specified in the M0a, M0b, M1, M2, M3 profiles
- Supports WMA lossless bit rates up to 940 Kbps
- Supports mono, stereo and multi-channels decoding
- Configurability for interleaved stereo output
- Configurability for 16-bit, 24-bit and 32-bit output
- Microsoft® platform certification
- GStreamer plugin wrapper for Linux® platforms

Supported Platforms

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

Performance Outline

iMX31 eLinux

Typical spec: 44 KHz, 320 Kbps

Performance (MHz): 15.59

Memory FootPrint(KB)

- ROM: 644
- RAM: 51

iMX31 WinCE

Typical spec: 44 KHz, 320 Kbps

Performance (MHz): 17.76

Memory FootPrint(KB)

- ROM: 644
- RAM: 51

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 Outline

iMX31 eLinux

M0

Typical spec: 44.1 KHz, 128 Kbps, 2 Channels
Performance (MHz): 38.69

M1

Typical spec: 48 KHz, 340 Kbps, 6 Channels
Performance (MHz): 120.51

M2

Typical spec: 96 KHz, 404 Kbps, 6 Channels
Performance (MHz): 209.67

M3

Typical spec: 96 KHz, 835 Kbps, 6 Channels
Performance (MHz): 254.69

Memory FootPrint(KB)

- ROM: 644
- RAM: 156

iMX31 WinCE

M0

Typical spec: 44.1 KHz, 128 Kbps, 2 Channels
Performance (MHz): 40.58

M1

Typical spec: 48 KHz, 340 Kbps, 6 Channels
Performance (MHz): 107.11

M2

Typical spec: 96 KHz, 404 Kbps, 6 Channels
Performance (MHz): 172.63

M3

Typical spec: 96 KHz, 835 Kbps, 6 Channels
Performance (MHz): 215.11

Memory FootPrint(KB)

- ROM: 644
- RAM: 156

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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 Outline

iMX31 eLinux

N1

Typical spec: 48 KHz, 1800 Kbps, 2 Channels

Performance (MHz): 196.96

N2

Typical spec: 48 KHz, 4100 Kbps, 6 Channels

Performance (MHz): 196.01

Memory FootPrint(KB)

- ROM: 774
- RAM: 146

iMX31 WinCE

N1

Typical spec: 48 KHz, 1800 Kbps, 2 Channels

Performance (MHz): 194.79

N2

Typical spec: 48 KHz, 4100 Kbps, 6 Channels

Performance (MHz): 194.10

Memory FootPrint(KB)

- ROM: 774
- RAM: 146

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