



G.723.1 Codec for iMX

Product Data Sheet

V 1.0

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Features

- Fully bit exact with ITU-T G.723.1
- Supports dtx, no_dtx and non_std input for encoding
- Supports dtx, no_dtx and non_std output for decoding
- Sampling frequency 8 kHz
- 5.3or 6.3 Kbps bit stream rate
- Very simple application interface

Supported Platforms

- Hardware - iMX27 Platforms
- Software - eLinux and WinCE

Performance Outline

iMX27 eLinux

Typical spec: 8KHz, 5.3kbps for encoder
8KHz, 5.3kbps for decoder

Performance (MHz): 32.31 for encoder
4.30 for decoder

Memory FootPrint(KB)
decoder

- ROM: 41.9
- RAM: 2

Encoder

- ROM: 78.8
- RAM: 4

Usecase (N/A for core codecs):

iMX27 WinCE

Typical spec: 8KHz, 5.3kbps for encoder
8KHz, 5.3kbps for decoder

Performance (MHz): 34.45 for encoder
5.81 for decoder

Memory FootPrint(KB)
decoder

- ROM: 41.9
- RAM: 2

Encoder

- ROM: 78.8
- RAM: 4

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Usecase (N/A for core codecs)

For further details, contact Freescale customer representative.

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Supported Platforms

- Hardware - iMX31 Platforms
- Software - eLinux and WinCE

Performance Outline

iMX31 eLinux

Typical spec: 8KHz, 5.3kbps for encoder
8KHz, 5.3kbps for decoder

Performance (MHz): 31.94 for encoder
3.54 for decoder

Memory FootPrint(KB)
decoder

- ROM: 41.9
- RAM: 2

Encoder

- ROM: 78.8
- RAM: 4
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Usecase (N/A for core codecs):

iMX31 WinCE

Typical spec: 8KHz, 5.3kbps for encoder
8KHz, 5.3kbps for decoder

Performance (MHz): 35.67 for encoder
4.34 for decoder

Memory FootPrint(KB)
decoder

- ROM: 41.9
- RAM: 2

Encoder

- ROM: 78.8
- RAM: 4
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Usecase (N/A for core codecs)

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