



NB-AMR Codec for iMX

Product Data Sheet

V 1.0

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Approved: Shang Shidong

Features

- Fully bit exact with NB-AMR
- Supports dtx1, dtx2 and no_dtx input for encoding
- Supports dtx1, dtx2 and no_dtx output for decoding
- Supports ESTI,IF1,IF2,MMS format
- Sampling frequency 8 kHz
- 12.2, 10.2, 7.9, 7.4, 6.7, 5.9, 5.15 and 4.75 kbps bit stream rate
- Very simple application interface

Supported Platforms

- Hardware - iMX27 Platforms
- Software - eLinux and WinCE

Performance Outline

iMX27 eLinux

Typical spec: 8KHz, 12.2kbps for encoder
8KHz, 12.2kbps for decoder

Performance (MHz):

34.64 for encoder(T02.INP,MR122)

9.48 for decoder(T03_102.COD)

Memory FootPrint(KB)

decoder

- ROM: 87
- RAM: 1.4

Encoder

- ROM: 107
- RAM: 7.5

Usecase (N/A for core codecs):

iMX27 WinCE

Typical spec: 8KHz, 12.2kbps for encoder
8KHz, 12.2kbps for decoder

Performance (MHz):

32.45 for encoder(T02.INP,MR122)

8.75for decoder(T03_102.COD)

Memory FootPrint(KB)

decoder

- ROM: 87
- RAM: 1.4

Encoder

- ROM: 107
- RAM: 7.5

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Usecase (N/A for core codecs)

For further details, contact Freescale customer representative.

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