



G.726 Codec for iMX

Product Data Sheet

V 1.0

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Features

- Fully bit exact with ITU-T G.726
- Supports A-law, μ -law or 16bit linear PCM input for encoding
- Supports A-law and μ -law or 16bit linear PCM output for decoding
- Supports both sample-by-sample and block based processing
- Sampling frequency 8 kHz
- 16, 24, 32 or 40 Kbps bit stream rate
- Variable frame/buffer memory size according to the system needs
- Very simple application interface

Supported Platforms

- Hardware - iMX27 Platforms
- Software - eLinux and WinCE

Performance Outline

iMX27 eLinux

Typical spec: 8KHz, 64kbps for encoder
8KHz, 128kbps for decoder

Performance (MHz): 7.48 for encoder
8.30 for decoder

Memory FootPrint(KB)

- ROM: 16.5
- RAM: 0.4

Usecase (N/A for core codecs):

iMX27 WinCE

Typical spec: 8KHz, 64kbps for encoder
8KHz, 128kbps for decoder

Performance (MHz): 8.31 for encoder
9.49 for decoder

Memory FootPrint(KB)

- ROM: 16.5
- RAM: 0.4

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, 64kbps for encoder
8KHz, 128kbps for decoder

Performance (MHz): 6.59 for encoder
7.24 for decoder

Memory FootPrint(KB)

- ROM: 16.5
- RAM: 0.4

Usecase (N/A for core codecs):

iMX31 WinCE

Typical spec: 8KHz, 64kbps for encoder
8KHz, 128kbps for decoder

Performance (MHz): 7.09 for encoder
7.85 for decoder

Memory FootPrint(KB)

- ROM: 16.5
- RAM: 0.4

Usecase (N/A for core codecs)

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