



# **G.711 Codec for iMX**

## **Product Data Sheet**

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### **Features**

- Fully bit exact with ITU-T G.711
- Supports A-law and  $\mu$ -law encoding
- Supports A-law and  $\mu$ -law decoding
- Supports converting from A-law to  $\mu$ -law
- Supports converting from  $\mu$ -law to A-law
- Sampling frequency 8 kHz
- 64 kbps compressor output for encoder
- Linear PCM output for decoder
- 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): 0.34 for encoder  
0.28 for decoder

Memory FootPrint(KB)

- ROM: 0.25
- RAM: 0

Usecase (N/A for core codecs):

### iMX27 WinCE

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

Performance (MHz): 0.31 for encoder  
0.25 for decoder

Memory FootPrint(KB)

- ROM: 0.25
- RAM: 0

Usecase (N/A for core codecs)

For further details, contact Freescale customer representative.

## 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): 0.34 for encoder  
0.26 for decoder

Memory FootPrint(KB)

- ROM: 0.25
- RAM: 0

Usecase (N/A for core codecs):

### iMX31 WinCE

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

Performance (MHz): 0.34 for encoder  
0.26 for decoder

Memory FootPrint(KB)

- ROM: 0.25
- RAM: 0

Usecase (N/A for core codecs)

For further details, contact Freescale customer representative.

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