



AAC Decoder

Product Data Sheet

v1.0

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Features

- Supports MPEG-2 and MPEG-4 audio decoding
- Supports up to 5.1 channel low complexity (LC) profile decoding
- Supports sampling frequency up to 96 KHz
- Supports .aac input files (RAW, ADIF, ADTS bit streams)
- Supports CBR and VBR
- Supports TNS and PNS tools
- Supports mono, stereo, joint-stereo
- Supports multi-channel files
- Error concealment
- ISO conformance
- Configurability for 16-bit or 24-bit output
- GStreamer plugin wrapper for Linux® platforms
- DirectShow filter wrapper for Windows® CE platforms

Supported Platforms

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

Performance Metrics

i.MX31 eLinux Platforms

Typical Specifications: 48KHz, 256kbps, Stereo

Performance (MHz): 10.05

Memory Footprint (KB)

- ROM: 42
- RAM: 84

i.MX31 Windows® CE Platforms

Typical Specifications: 48KHz, 256kbps, Stereo

Performance (MHz): 12.1

Memory Footprint (KB)

- ROM: 45
- RAM: 84

For further details, contact a Freescale customer representative.

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