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FLAC Decoder
Product Data Sheet

v1.1

Updated: April 1, 2010

Features

- Supports FLAC audio decoding
- Supports WAV format output
- Supports 8kHz, 16kHz, 22.05kHz, 24kHz, 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz sampling rates
- Supports maximum 8 channels
- Configurability for 8 bits, 16bits, 24bits PCM output
- GStreamer plugin wrapper for Linux® platforms
- DMO filter wrapper for Windows® CE platforms

Supported Platforms

- Hardware – i.MX ARM11 and ARM12 platforms
- Software – eLinux, Windows® Embedded CE operating systems

Performance Metrics

i.MX ARM11™ eLinux Platforms
Typical Specifications: 44.1KHz, 16bit/sample, Stereo
Performance (MHz): 10.35
Memory Footprint (KB)
- ROM: 33.54
- RAM: 7.20

i.MX ARM11™ Windows® CE Platforms
Typical Specifications: 44.1KHz, 16bit/sample, Stereo
Performance (MHz): 11.01
Memory Footprint (KB)
- ROM: 33.54
- RAM: 7.20

Performance measurements can deviate based on ARM core, memory and cache configuration on the board.
To measure directly, enable the TIME_PROFILE in the test application provided in the release package.

For further details, contact Freescale customer representative.