



AAC BSAC Decoder

Product Data Sheet

v1.1

Updated: April 1, 2010

Features

- Supports MPEG-4 decoding
- Supports up to 5.1 channel decoding
- Supports sampling frequency up to 48 KHz
- Supports up to 64kbps/ch bitrate decoding
- Supports .bsac input files
- Supports 1kits/ch/sec fine grain scalability
- Supports TNS, PNS tools
- Supports mono, stereo, join-stereo
- 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™ and ARM Cortex-A8™ platforms
- Software – eLinux, Windows® Embedded CE operating systems

Performance Metrics

i.MX ARM11™ eLinux Platforms

Typical Specifications: 48KHz, 118kbps, Stereo

Performance (MHz): 53.8

Memory Footprint(KB)

- ROM: 71
- RAM: 91.2

i.MX ARM11™ Windows® CE Platforms

Typical Specifications: 48KHz, 118kbps, Stereo

Performance (MHz): 65.9

Memory Footprint(KB)

- ROM: 71
- RAM: 91.2

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.