

PRODUCT DESCRIPTION

The Bluetooth Subband Codec(SBC) is a low computational complexity audio coding system designed for high quality audio at moderate bit-rates. The Pixtree SBC codec is implemented according to Bluetooth Advanced Audio Distribution Profile(A2DP) specification - as the only mandatory codec for wireless audio.

FEATURES

Supported SBC Codec features	Application	Wireless audio players
		Wireless headphones
		Mobile handsets
		Bluetooth headsets
		Car Audio
	Channel mode	mono, stereo
	Sample rates (kHz)	32, 44.1, 48
	Bit rates	up to 345 kbps @ 48kHz stereo
Supported Software features	Supported library formats	ADS 1.2, RealView 3.0
		WinCE (Embedded Visual C)
	Data Memory	can be allocated at run-time
	API	C callable interface

CODEC PERFORMANCE & MEMORY REQUIREMENTS

	Decoder	Encoder
Complexity	6.5 MHz	10.5 MHz
Code ROM	10 kB	8kB
Constant Data ROM	0.8 kB	2kB
RAM	5.5 kB	4kB

- Complexity Information - Profiled on an ARM9E, with zero wait state memory interfaces for 44.1 kHz 128kbps stereo bitstream.

DELIVERABLES

- SBC Encoder/Decoder Library : Binary
- Spec sheet