

16-bit Fixed-Point MP3 Codec IP

High Quality and High Performance

Digiwell, the professional F/W IP provider, developed the **low-cost, high quality** and **high performance** MP3 Codec IP for Internet Audio Application. It performs the MP3 Codec in real-time on Analog Devices' DSP ADSP-2185M which is a 16-bit fixed point DSP.

Highlights

- ⊙ Analog Devices' ADSP-218x instructions
- ⊙ Low MIPs required and low power consumption
- ⊙ Low memory required
- ⊙ Low cost for implement (16-bit cost with 32-bit quality)
- ⊙ Real-time demonstration is available



MP3 Codec Specifications Summary

	Modes	Memory Required				MIPs Required
		Program		Data		
		ROM	RAM	ROM	RAM	
MP3 Encoder	44.1KHz-128Kbps-Stereo	5Kx24 5Kx16	-	-	14Kx16	40
	44.1KHz-96Kbps-Stereo					
	22.05KHz-128Kbps-Stereo					
	22.05KHz-96Kbps-Stereo					
MP3 Decoder	MPEG-I Layer 3	6.5Kx24 8.8Kx16	-	-	10Kx16	25
	MPEG-II Layer 3					
	MPEG-2.5 Layer 3					

Contact :

Project Dept.

Email : digidspsfaq@digiwell.com.tw

Tel : 886-3-5782910 ext. 2216 / 2317

Fax : 886-3-5639464